

FLUIDRA

POOL & SPA
PRODUCT CATALOGUE
2019

ASTRALPOOL 

Fluidra and Zodiac have closed their merger

WELCOME TO THE NEW FLUIDRA

Our mission is to be the most customer-focused pool company in the industry.

Our team of product and market experts is now 5,500 people strong, meaning more resources to support innovation in critical areas such as energy-efficiency, electronic pool cleaners and the Internet of things.

We now offer you a wider range of products from the most recognized brands in the sector. Likewise, our logistics network is more extensive, allowing us to provide you with the product that you need, when and where you need it.

We are guided by clear values and come to work every day with a simple and direct mission in mind: To create the perfect pool and wellness experience.



OUR MISSION

WE CREATE THE PERFECT POOL
AND WELLNESS EXPERIENCE

Customer collaboration

We add value for our users and customers

Passion for success

We are committed, accountable and consistent

Excellence and innovation

We continuously improve and aim to be the best

Honesty and Trust

We are honest, transparent and accessible

Learn and adapt

We are open minded, flexible and positive

Teamwork

1+1 > 2
We are humble and inclusive



Business management policy

It is the policy of AstralPool UK Limited to:

- give satisfaction to all of our customers and other stakeholders and interested parties whenever possible, meeting and exceeding their expectations;
- comply with all legal requirements, codes of practice and all other requirements applicable to our activities;
- the reduction of hazards, prevention of injury, ill health and pollution;
- provide all the resources of equipment, trained and competent staff and any other requirements to enable these objectives to be met;
- ensure that all employees are made aware of their individual obligations in respect of this quality policy;
- maintain a management system that will achieve these objectives and seek continual improvement in the effectiveness and performance of our management system based on "risk";
- ensure any formal complaints are dealt with efficiently and within an acceptable time period.

This quality policy provides a framework for setting, monitoring, reviewing and achieving our objectives, programmes and targets.

Customer service is an essential part of the quality process and to ensure this is fulfilled, all employees receive training to ensure awareness and understanding of quality and its impact on customer service.

To ensure the company maintains its awareness for continuous improvement, the quality system is regularly reviewed by "Senior Management" to ensure it remains appropriate and suitable to our business. The Business Management System is subject to both internal and external annual audits.

Dyfed Thompson-Smith
General Manager



NEW PRODUCTS

2019



Colour range of embedded fittings

VERSATILITY AND COLOUR
FOR YOUR POOL

See page 48



Victoria Plus Silent Variable Speed

A NEW GENERATION
OF FILTRATION PUMPS

See page 113



Fluidra Connect
compatible



Blue Check

5-IN-1 MAINTENANCE
TEST STRIPS

See page 138

NEW PRODUCTS

2019



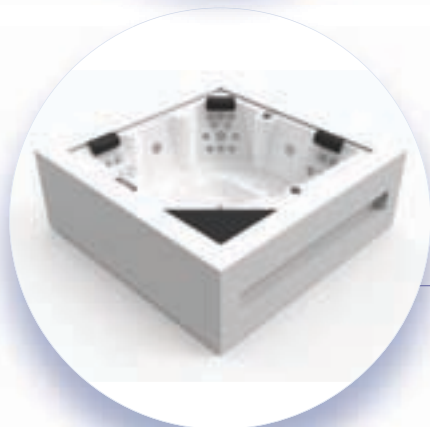
New range of Flexi LEDs

THE LED SOLUTION THAT ADAPTS
TO ALL POOL TYPES



Fluidra Connect
compatible

See page 177



Pure Ergo

A NEW DESIGNER SPACE
FOR YOUR HOME

See page 270

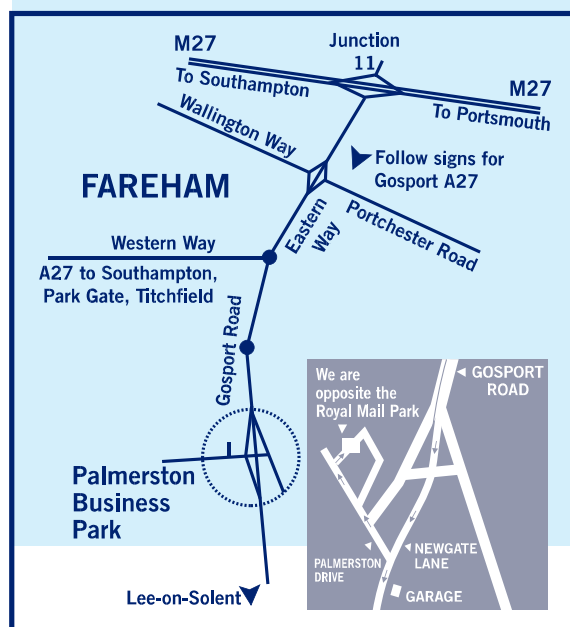
OPENING TIMES

Monday - Thursday: 8:30 - 17:00

Friday: 8:30 - 16:30

The Trade counter is shut between
12.30 - 1.30 Mon -Fri

Normal cut off time for overnight despatch 15:30



Units 30-32, Palmerston Business Park,
Newgate Lane, FAREHAM, Hants P014 1 DJ
Tel. 01329 514000 Fax: 01329 514036

Telephone Numbers, Fareham:

- Customer Support / Sales 0845 306 0903
- Customer Services 0845 306 0906
- Account Queries 0845 306 0907

- Fax Order Hotline 0800 279 1170

E-mail: sales@astralpooluk.com
Website: www.astralpool.com

A close-up photograph of a young woman with dark hair, smiling warmly. She is wearing a light-colored top. The background is softly blurred, showing green foliage.

MEET THE TEAM

MANAGEMENT

- GENERAL MANAGER – [Dyfed Thompson-Smith](#)
- TECHNICAL DIRECTOR – [Simon Jones](#)

SALES

sales@astralpooluk.com

INTERNAL SALES:

- CUSTOMER SUPPORT – [Sarah Shrimpton](#)
- CUSTOMER SUPPORT – [Martin Harper](#)
- CUSTOMER SUPPORT – [William Jones](#)
- CUSTOMER SUPPORT / PURCHASING – [Jackie Brady](#)
- TECHNICAL SUPPORT – [Joe Williams](#)

EXTERNAL SALES:

- BUSINESS DEVELOPMENT MANAGER - PROJECTS –
[Amanda Goddard](#)
agoddard@astralpooluk.com
- NORTHERN SALES EXECUTIVE – [James Cooper](#)
jcooper@astralpooluk.com
- SOUTHERN SALES EXECUTIVE – [Garreth Rigby](#)
grigby@astralpooluk.com
- BUSINESS DEVELOPMENT MANAGER - H & V –
[Ron O'Sullivan](#)
rosullivan@astralpooluk.com

ACCOUNTS

creditcontrol@astralpooluk.com

- CREDIT CONTROL / SALES LEDGER - [Gillian Lovegrove](#)
- PURCHASE LEDGER / ADMINISTRATION - [Suzanne Colley](#)

WAREHOUSE

- WAREHOUSE SUPERVISOR - [James Shears](#)
- WAREHOUSE OPERATIVE - [Graham Smith](#)
- WAREHOUSE OPERATIVE - [Steve Chetwynd](#)
- DISPATCH - [Jamie Adams](#)

Eco H2O

Eco Energy

Eco Sound



Our commitment to a sustainable pool



NanoFiber Filter

- Reduces water consumption for filter backwash by 50%.

-50%



Active glass filter media

- Reduces water consumption by 25% during filter backwash.

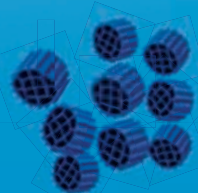
-25%



Pro Elyo Inverboost NN

- "A" power rating: saves up to 33% on your pool's heating bills

-33%



OC-1 filtration media

- Savings of 40% in filter backwashes.

-40%

Simple details for a great Future.

Respect for the water and its rational use is the core philosophy of our Group.

Our commitment to sustainability has led us to create a specific line of sustainable products.

KEY FIGURES

5,500

Number of employees

46

Number of countries

136

Number of sales branches

37

Number of production centres

HIGHLY RECOGNIZED BRANDS

Jandy
Pro/Series

ASTRAL POOL

Polaris

ICEPEX

ZODIAC

Gre

A GLOBAL POWERHOUSE

North America HQ
San Diego

Global HQ
Barcelona

23%
RoW

31%
North America

46%
Europe



GENERAL INFORMATION

Unit conversion table

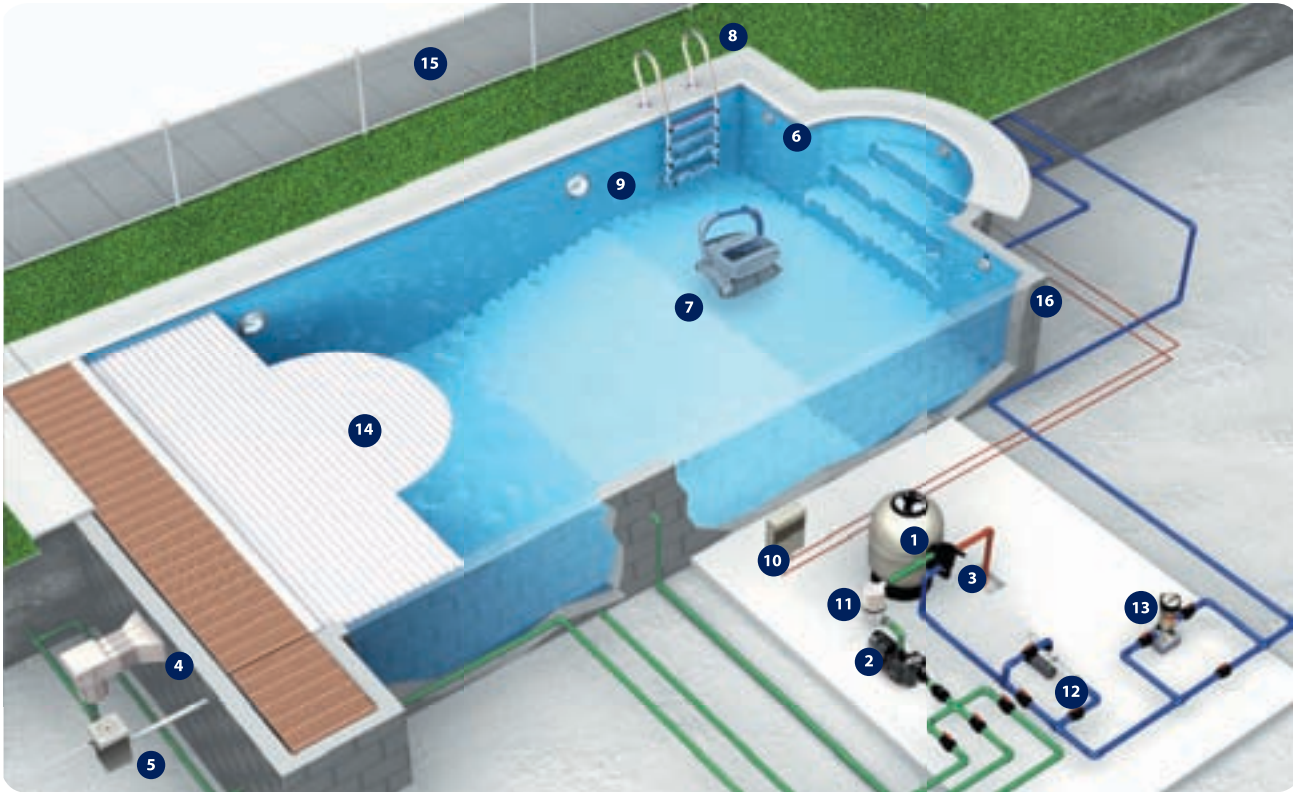
Length:	m	in	ft	
Metre (m)	1	39.370	3.281	
Inch (in)	0.025	1	0.083	
Foot (ft)	0.305	12	1	
Surface:	m ²	in ²	ft ²	cm ²
Square metre (m ²)	1	1,150.388	10.764	10,000
Square inch (in ²)	0.000645	1	0.0069	6.450
Square foot (ft ²)	0.093	144.036	1	929.03
Square centimetre (cm ²)	0.0001	0.155	0.00107	1
Volume:	m ³	UK gal	US gal	l
Cubic metre (m ³)	1	219.969	264.172	1000
Imperial gallon (UK gal)	0.0045	1	1.201	4.546
US gallon (US gal)	0.0038	0.833	1	3.785
Litre (l)	0.001	0.220	0.264	1
Speed:	m/s	in/s	ft/s	m/h
Metres / second (m / s) v	1	39.370	3.281	3600
Inch / second (in / s)	0.025	1	0.083	91.44
Foot / second (ft / s)	0.305	12	1	1097.28
Metre / hour (m / h)	0.00028	0.011	0.00091	1
Flow rate:	m ³ /m ² .h	US gal/ft ² .min	UK gal/ft ² .min	ft ³ /ft ² .min
(m ³ / m ² .h)	1	0.409	0.341	0.055
(US gal / ft ² .min)	2.445	1	0.833	0.134
(UK gal / ft ² .min)	2.936	1.201	1	0.158
(ft ³ / ft ² .min)	18.322	7.474	6.311	1
Mass:	kg	g	lb	
Kilogram (kg)	1	1000	2.205	
Gram (g)	0.001	1	0.0022	
Pound (lb)	0.454	453.59	1	
Pressure:	Pa	bar	kg/cm ²	psi
Pascal (Pa)	1	0.00001	0.00001	0.00014
Bar (bar)	100000	1	1.019	14.504
Kilogr. / Cent. squared (kg / cm ²)	98100	0.981	1	14.228
Pound / square inch (psi)	6894.76	0.0689	0.070	1
Energy:	J	kWh	cal	kcal
Joule (J)	1	0.000000277	0.239	0.00024
Kilowatt per hour (kWh)	3600000	1	860421	861.244
Calorie (cal)	4.186	0.00000116	1	0.001
Kilocalorie (kcal)	4186	0.0012	1000	1
Power:	kW	HP	BTU/h	
Kilowatt (kW)	1	1.341	3412.14	
Horsepower (HP)	0.746	1	2544.43	
British Thermal Unit / hour (BTU / h)	0.00029	0.00039	1	
Flow rate:	m ³ /h	US gall/min	UK gall/min	
Cubic metre / hour (m ³ / h)	1	3.667	4.403	
US gallon / minute (US gall / min)	0.273	1	1.201	
Gal / min UK (UK gall / min)	0.227	0.833	1	
Litres / second (l / s)	3.6	13.198	15.85	
Temperature:	°C	°F	K	
Degrees Celsius (°C)	1	[(9/5)x°C]+32	°C+273.16	
Fahrenheit (F)	(5/9)x(°F-32)	1	n.a	
Kelvin (k)	K-273.16	n.a	1v	

Size of pipe and water flow rate

DN mm	D mm	Inches	Flow rate (m ³ /h) depending on the speed of the water	
			Suction (1.2 m/s)	Discharge (2 m/s)
15	20	1/2"	1	1.6
20	25	3/4"	1.6	2.7
25	32	1"	2.7	4.4
32	40	1 1/4"	4.4	7.3
40	50	1 1/2"	7.5	12.5
50	63	2"	11	18.4
65	75	2 1/2"	15.7	26.1
80	90	3"	22.3	37.1








Due to ongoing changes, some photographs may not match the products exactly.

General diagram of installation of swimming pool equipment



- | | | | |
|-------------------|-----------------------------|-----------------------------|-------------------------|
| 1 Filter | 5 Level regulator | 9 Light spot | 13 Chlorine dispenser |
| 2 Pump | 6 Return inlet | 10 Electric control cabinet | 14 Automatic pool cover |
| 3 Multiport valve | 7 Automatic bottom cleaners | 11 Hydrosprin | 15 Safety barriers |
| 4 Skimmer | 8 Ladder | 12 Heat exchanger | 16 Pool shell |

Filter and pump selection table

							
Pool volume	Renewal	Filtration speed	Filter Ø	Connections		Pump	Sand
m ³	h	m ³ /h/m ²	mm	mm	inches	HP	kg
40	8	50	350	50	1 1/2"	0.3	40
40-50	8	50	400	50	1 1/2"	0.5	60
50-60	8	50	450	50	1 1/2"	0.5	70
60-75	8	50	500	50	1 1/2"	0.5	100
75-90	8	50	560	50	1 1/2"	0.75	130
90-115	8	50	600	50	1 1/2"	1	160
115-130	8	50	650	50	2"	1	175
130-170	8	50	750	50	2"	1.5	300
170-200	8	50	800	50	2"	2	330



Best in class



Best value for money



Exclusive to the professional channel*



Unique sustainable quality



Recommended for public pools



3-year guarantee



New product



Until end of stocks



Fluidra Connect compatible

*Product recommended for sale in physical stores due to the product's specialized and complex nature and/or its installation.

A range of pool kits for liner and concrete pools, considerable savings to be made compared to buying the items individually. Prices are for complete kits only and cannot be modified.

If buying a Ecoline Heat pump at the same time, we can offer an extra 5% discount on the heat pump.

	DESCRIPTION	20" x 10"	24" x 12"	28" x 14"	30" x 15"	32" x 16"	38" x 16"
Liner Pool	Pool Volume Gallons	4983	7176	9768	11213	14650	18938
	Pool Volume Litres	22652	32624	44405	50976	66599	86090
	Pool Volume m ³	22,65	32,62	44,4	50,97	66,59	86,08
	Turn Over (Hours)	4h 31m	4h 5m	4h 3m	4h 38m	4h 9m	5h 23m

A	CODE	FLOW FITTINGS	KIT1Liner	KIT2Liner	KIT3Liner	KIT4Liner	KIT5Liner	KIT6Liner
			P20x10L	P24x12L	P28x14L	P30x15L	P32x16L	P38x16L
Liner	11311	W/A SKIMMER	1	1	1	1	2	2
Liner	00270	MAIN DRAINS	2	2	2	2	2	2
Liner	00330	RETURN INLETS	2	2	2	2	4	4
Liner	15662	WALL CONDUITS	3	3	3	3	5	5
Liner	00332	VACUM POINT	1	1	1	1	1	1

B	CODE	PIPEWORK & FITTINGS	P20x10L	P24x12L	P28x14L	P30x15L	P32x16L	P38x16L
	01716	50MM 90 ELBOWS	35	35	35	35	35	35
	01750	50MM 45 ELBOWS	12	12	12	12	12	12
	01784	50MM TEES	3	3	3	3	2	2
	01876	50MM SOCKETS	10	10	10	10	10	10
	02106	50MM 1.5" ADAPTOR BUSH	4	4	4	4	2	2
	02140	50MM CLOSED CLIPS	40	40	40	40	30	30
	02457	50MM BALL VALVES	4	4	4	4	3	3
	02709	50MM 10 BAR PIPE. 5M LENGTHS	14	14	14	14	12	12
	01717	63MM 90 ELBOWS					20	20
	01751	63MM 45 ELBOWS					10	10
	01785	63MM TEES					5	5
	01877	63MM SOCKETS					5	5
	02141	63MM CLOSED CLIPS					20	20
	02107	63MM X 2" ADAPTOR BUSH	2	2	2	2	5	5
	01925	63MM X 50MM REDUCER	2	2	2	2	7	7
	02458	63MM BALL VALVES					2	2
	02710	63MM 10 BAR PIPE. 5M LENGTHS					6	6
	68522	100OCC ADHESIVES	1	1	1	1	2	2
	57687	100OCC CLEANER	1	1	1	1	2	2

C	CODE	FILTRATION	P20x10L	P24x12L	P28x14L	P30x15L	P32x16L	P38x16L
	25461	0.35HP SENA PUMP	1					
	25462	0.50HP SENA PUMP		1				
	65560	0.75HP VIC PUMP			1	1		
	65562	1.00HP VIC PUMP					1	1
	65564	1.50HP VIC PUMP						
	30769	450 ASTER FILTER S/M	1					
	30770	500 ASTER FILTER S/M		1				
	30771	600 ASTER FILTER S/M			1	1		
	33847	750 ASTER FILTER S/M					1	1
	00596-1000	16/30 SILICA SAND	3	4	6	6	12	12

Total List			£1890	£1932	£2152	£2152	£3055	£3055
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Discount Group B

D	CODE	HEAT PUMP- STANDARD	66071	67405	66074	66075	66075	66075
	66071-MB	EVOLINE 13	1					
	67405-MB	EVOLINE 17		1				
	66074M-MB	EVOLINE 25			1			
	66075MB	EVOLINE 35 3 PHASE ONLY				1	1	1

Total List			£1718	£2114	£3352	£5429	£5429	£5429
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Discount Group P



	DESCRIPTION	20" x 10"	24" x 12"	28" x 14"	30" x 15"	32" x 16"	38" x 16"
Concrete Pool	Pool Volume Gallons	4983	7176	9768	11213	14650	18938
	Pool Volume Litres	22652	32624	44405	50976	66599	86090
	Pool Volume M3	22,65	32,62	44,4	50,97	66,59	86,08
	Turn Over (Hours)	4h 31m	4h 5m	4h 3m	4h 38m	4h 9m	5h 23m

A	CODE	FLOW FITTINGS	Kit1Con	Kit2Con	Kit3Con	Kit4Con	Kit5Con	Kit6Con
			P20x10	P24x12	P28x14	P30x15	P32x16	P38x16
Concrete	11304	W/A SKIMMER	1	1	1	1	2	2
Concrete	01467	MAIN DRAINS	2	2	2	2	2	2
Concrete	00295	RETURN INLETS	2	2	2	2	4	4
Concrete	15659	WALL CONDUITS	3	3	3	3	5	5
Concrete	00330	VACUM POINT	1	1	1	1	1	1

B	CODE	PIPEWORK & FITTINGS	P20x10L	P24x12L	P28x14L	P30x15L	P32x16L	P38x16L
	01716	50MM 90 ELBOWS	35	35	35	35	35	35
	01750	50MM 45 ELBOWS	12	12	12	12	12	12
	01784	50MM TEES	3	3	3	3	2	2
	01876	50MM SOCKETS	10	10	10	10	10	10
	02106	50MM 1.5" ADAPTOR BUSH	4	4	4	4	2	2
	02140	50MM CLOSED CLIPS	40	40	40	40	30	30
	02457	50MM BALL VALVES	4	4	4	4	3	3
	02709	50MM 10 BAR PIPE. 5M LENGTHS	14	14	14	14	12	12
	01717	63MM 90 ELBOWS					20	20
	01751	63MM 45 ELBOWS					10	10
	01785	63MM TEES					5	5
	01877	63MM SOCKETS					5	5
	02141	63MM CLOSED CLIPS					20	20
	02107	63MM X 2" ADAPTOR BUSH	2	2	2	2	5	5
	01925	63MM X 50MM REDUCER	2	2	2	2	7	7
	02458	63MM BALL VALVES					2	2
	02710	63MM 10 BAR PIPE. 5M LENGTHS					6	6
	68522	1000CC ADHESIVES	1	1	1	1	2	2
	57687	1000CC CLEANER	1	1	1	1	2	2

C	CODE	FILTRATION	P20x10L	P24x12L	P28x14L	P30x15L	P32x16L	P38x16L
	25461	0.35HP SENA PUMP	1					
	25462	0.50HP SENA PUMP		1				
	65560	0.75HP VIC PUMP			1	1		
	65562	1.00HP VIC PUMP					1	1
	65564	1.50HP VIC PUMP						
	30769	450 ASTER FILTER S/M	1					
	30770	500 ASTER FILTER S/M		1				
	30771	600 ASTER FILTER S/M			1	1		
	33847	750 ASTER FILTER S/M					1	1
	00596-1000	16/30 SILICA SAND	3	4	6	6	12	12

Total List			£1701	£1751	£1993	£1993	£3019	£3019
Discount Group B								

D	CODE	HEAT PUMP- STANDARD	66071	67405	66074	66075	66075	66075
	66071	EVOLINE 13	1					
	67405	EVOLINE 17		1				
	66074M	EVOLINE 25			1			
	66075	EVOLINE 35 3 PHASE ONLY				1	1	1

Total List			£1718	£2114	£3353	£5429	£5429	£5429
Discount Group P								

PLACING AN ORDER

Telephone:	Fareham:	0845 306 0903
Fax:	Fareham:	0800 279 1170 (Free fax) 01329 514036
e-mail sales:	sales@astralpooluk.com	
e-mail accounts:	creditcontrol@astralpooluk.com	
Web site:	www.astralpool.com	
Trade Counter: (Phone/Fax ahead if possible)	Open Mon - Fri 08:30 - 16:00 (closed for lunch 12.30 - 1.30)	
AstralPool UK office:	Open Mon - Thu 08:30 - 17:00 Friday 08:30 - 16:30	

When ordering don't forget !!

- Any items not in stock will be confirmed either on the order confirmation or verbally.
- All orders being delivered by haulier will be confirmed in writing. It is the customer's responsibility to check this confirmation is correct. All telephone orders will be verbally confirmed.
- Bulk orders = Lower prices for you. Please ask for a quote.
- Next day despatch – our normal cut-off time is 15:30.
- Orders for special order items cannot be cancelled once accepted.
- Free Technical Help
Take advantage of the free advice offered from our skilled in-house staff.

We reserve the right to charge £75.00 for our filtration design and specification services, this will be credited against relevant orders over a pre arranged amount. Full T & C's available upon request.

All transactions are governed by AstralPool UK Terms & Conditions.

All images, drawings and illustrations in the catalogue, are for guidance only. AstralPool UK reserve the right to make alterations without prior notification.

DELIVERY CHARGES

Large orders

For qualifying items (see exclusions) for goods exceeding £680.00 trade (domestic items), carriage will be free via standard carrier to your normal account address in the UK mainland.

For mixed orders the excluded items are chargeable.

For all orders below £680.00 trade (excluding VAT) carriage will be based on standard or overnight carrier prices (see below).

Standard 3 to 5 day

£15.00 up to 20 kg then 35p per kg

Exclusions

All items marked shown with the following icon



Carriage prices available on request

Pipe over 3 metres

Timed Delivery / Delivery outside UK mainland

Overnight	£19.50 up to 20 kg then 35p per kg
Overnight Pipe over 3 metres	£22.00 up to 20 kg then 42p per kg
Overnight AM	£24.00 up to 20 kg then 40p per kg
Overnight before 10.30 AM	£29.00 up to 20 kg then 50p per kg
Overnight before 9.00 AM	£45.15 up to 20 kg then 75p per kg
Saturday Delivery before Noon (excluding pipe)	£40.00 up to 20 kg then 42p per kg
N.Ireland Next day	Price on application
N.Ireland standard	Price on application
Channel Islands, I.O.M. (1 - 2 days)	£104.00 up to 20 kg then £1.05 per kg
Channel Islands, I.O.M. (standard)	£40.00 up to 20 kg then 70p per kg
Republic of Ireland (standard)	Price on application
Postage upto 2 kg	£7.00
Special Post upto 2 kg	£10.00
Post (Eire, Europe etc)	£11.00

Back orders will be normally delivered on a standard 3 to 5 day carriage or post service free of charge to the same address (UK Mainland only). Applies to discount groups A, E, I, J and L (excluding pipe). Bespoke items will also be excluded.

CONTACT CUSTOMER SERVICE 0845 306 0906**Goods damaged in transit / Late deliveries**

No claims can be made for damaged or missing goods that have been signed for, even if its "subject to inspection"

It is recommended that customers visually check all expensive items (eg pumps and filters) & count the number of packages, noting any discrepancy, BEFORE signing the carrier's delivery note. Once signed, no claim will be entertained by the carrier & therefore by AstralPool UK.

All damaged goods should be refused and returned to AstralPool UK marking the consignment or delivery note "Refused Goods Damaged"

AstralPool UK must be notified within 24 hrs of any missing or late delivered goods.

AstralPool UK makes every effort to supply goods on time but cannot be held responsible for any delivery delays.

Goods returns

Please contact customer services on 0845 306 0906 or email sales@astralpooluk.com to obtain a goods returns number. We will need the original invoice or order number and serial number if applicable with the reason you wish to return the goods. Alternatively please fax or e-mail the goods return form shown on previous page.

Returns will not be accepted without a goods return number. We will fax you a goods return number and this must be attached to any packages being returned.

Items incorrectly ordered or not required will be restocked without a restocking charge, subject to approval and that the goods are in perfect condition including the packaging and they are returned with 14 days of the original delivery date. Excluding bespoke and or special order items.

The following will incur a £25.00 or 25% (whichever is greater) re-stocking charge plus transport costs if arranged by AstralPool UK Ltd :

- Goods returned after 14 days but within 60
- The original packaging is damaged

The following goods will not be accepted for credit:

1. Special order goods
2. Pumps without serial numbers
3. Orders over 60 days old (unless faulty under warranty)

Please note if AstralPool UK Ltd arrange collection and for some reason the goods cannot be collected, i.e no-one in, we will charge the collection cost.

Credits will not be shown on statement until 28 days after receipt of goods.

ACCOUNT CREDIT APPLICATION

PLEASE COMPLETE AND RETURN VIA E-MAIL OR POST

Company: _____
 Address: _____

 Post Code: _____

References: _____
 Bank Details Name: _____
 Address: _____

 Sort code: _____ Account No.: _____
 Monthly Credit Limit Required: _____

Credit references (Please provide two supplier references)

1: _____ _____ _____ _____	2: _____ _____ _____ _____
Contact Name: _____ Tel. No: _____ E-mail address: _____	Contact Name: _____ Tel. No: _____ E-mail address: _____

Credit History

Have you or any director/partner of the company received a CCJ against you?
 Yes _____ No _____

Have you ever been associated with a company that did not discharge all of their debts?
 Yes _____ No _____

If you answered Yes to either of the above please give further details: _____

I/We confirm that all valid invoices will be paid on or before the due date.
 I/We confirm that you will immediately inform AstralPool UK should any CCJ be entered against the company.
 I/We understand that you may authorise a search through credit references agencies, which will keep a record of the search and may share that information with other business. It/they may also make enquiries about Directors/Partners as applicable.

Director/Partner Authorisation

Signature: _____ Position _____
 Print Name: _____ Date _____

Signature: _____ Position _____
 Print Name: _____ Date _____

Signature: _____ Position _____
 Print Name: _____ Date _____

Please note: That all goods remain the property of AstralPool UK, until paid for in full. By signing this application you agree to comply with our terms and conditions.
 For details please consult our catalogue or request a copy from our office.

NEW ACCOUNT APPLICATION

PLEASE COMPLETE AND RETURN VIA E-MAIL OR POST

Please enter all details in block capitals and send a copy of your company letterhead and a business card with your application

I/We trade as Sole Trader Ltd Company Partnership Ltd Partnership

Company Name: _____	Trading Name: _____
Co. Registration No: _____	VAT Registration No: _____
Address: _____	Address: _____
_____	_____
Post Code: _____	Post Code: _____
Tel. No: _____	Tel. No: _____
Fax No: _____	Fax No: _____
Mobile No: _____	Mobile No: _____
E-mail Address: _____	E-mail Address: _____
Website: _____	Website: _____
Other E-mail addresses: _____	
Orders: _____	Invoices: _____
Sales: _____	Statements: _____

Date Company Established: _____

Size of Business (Annual turnover per last accounts) _____

Type of Business Swimming Pool Spa Sauna Water treatment Aquaculture

Tick where appropriate Distribution Retail Construcion Maintenance/Service

Other (please specify): _____

Names/addresses of all directors/partners:

Name: _____	Name: _____
Address: _____	Address: _____
_____	_____
Post code: _____	Post code: _____

Current Suppliers:

I/We understand that all transactions are subject to AstralPool UK Limited's Trading Terms and Conditions printed in their catalogue. I/We consent to our personal data being process accordingly. (which may include determination of credit limits, and analysis markets).

Signature:

Print name: _____

Position: _____

Date: _____

Please note: All account applications will be subject to our approval procedures and we reserve the right to reject an application. Standard terms are prepaid. Should credit terms of net 30 days be required, please complete our credit application form. Credit applications are subject to approval and the terms and conditions of AstralPool UK.

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STAINLESS STEEL POOLS, SKYPOOLS



POOL SURROUND EQUIPMENT



POOL SHELL EQUIPMENT



FILTRATION



FILTRATION PUMPS



WATER TREATMENT PRODUCTS



DOSING AND CONTROL EQUIPMENT



POOL CLEANING EQUIPMENT



POOL LIGHTING



ORNAMENTAL WATER FEATURES



SPECIAL THE WELLNESS SOLUTION



POOL COVERS AND ROLLERS



COMPETITION POOL ACCESSORIES



FLUID HANDLING MATERIALS



SPAS AND WELLBEING



POOL HEATING & DEHUMIDIFICATION



SELECTED SPARES KITS





STAINLESS STEEL POOLS, SKYPOOLS

- 24 • Stainless Steel swimming pools
- 26 • Skypool Commercial pools
- 27 • Skypool Commercial pools: Fixed Model
- 28 • Skypool Commercial pools: Suspended model

STAINLESS STEEL SWIMMING POOLS

Our high quality Stainless Steel Swimming Pools product range is matched by unrivalled technical know-how. Established swimming pool builders can combine their skills with Astralpool UK's design service, completing more premium value projects.

Working with AstralPool you have the necessary assurance required for large, high value projects, designed to maximise opportunities in this niche sector of the UK pool construction market.

WHY STAINLESS STEEL?

Stainless Steel Swimming Pools bring with them a multitude of benefits and advantages to pool design, overcoming challenges presented by the toughest water leisure environments. Specialist stainless pool shell manufacturer Metalast and AstralPool are intrinsically linked, offering a significant sales advantage in water leisure projects.

A STAINLESS STEEL POOL IN 3 STAGES

From your instructions, design, through to completion.



HOW WE MAINTAIN THE HIGHEST QUALITY

Contractors have the reassurance they are receiving a wet leisure solution based on a cohesive approach between their pool builder and the stainless steel pool manufacturer and distributor.

Once the Stainless Steel Pools are delivered to site, AstralPool UK take complete control of the installation. We provide a dedicated installation team directly employed by the manufacturer and who comply with stringent quality standards to ensure that the installation meets exacting performance specifications and employers requirements.

Inúu Wellness Centre (Andorra)
Architect: Jean-Michel Ruols



Only Fluidra, with more than 40 years' experience and operations worldwide, could become the new leader in the manufacture of stainless steel swimming pools, with its brand SPÆCIAL INOX.

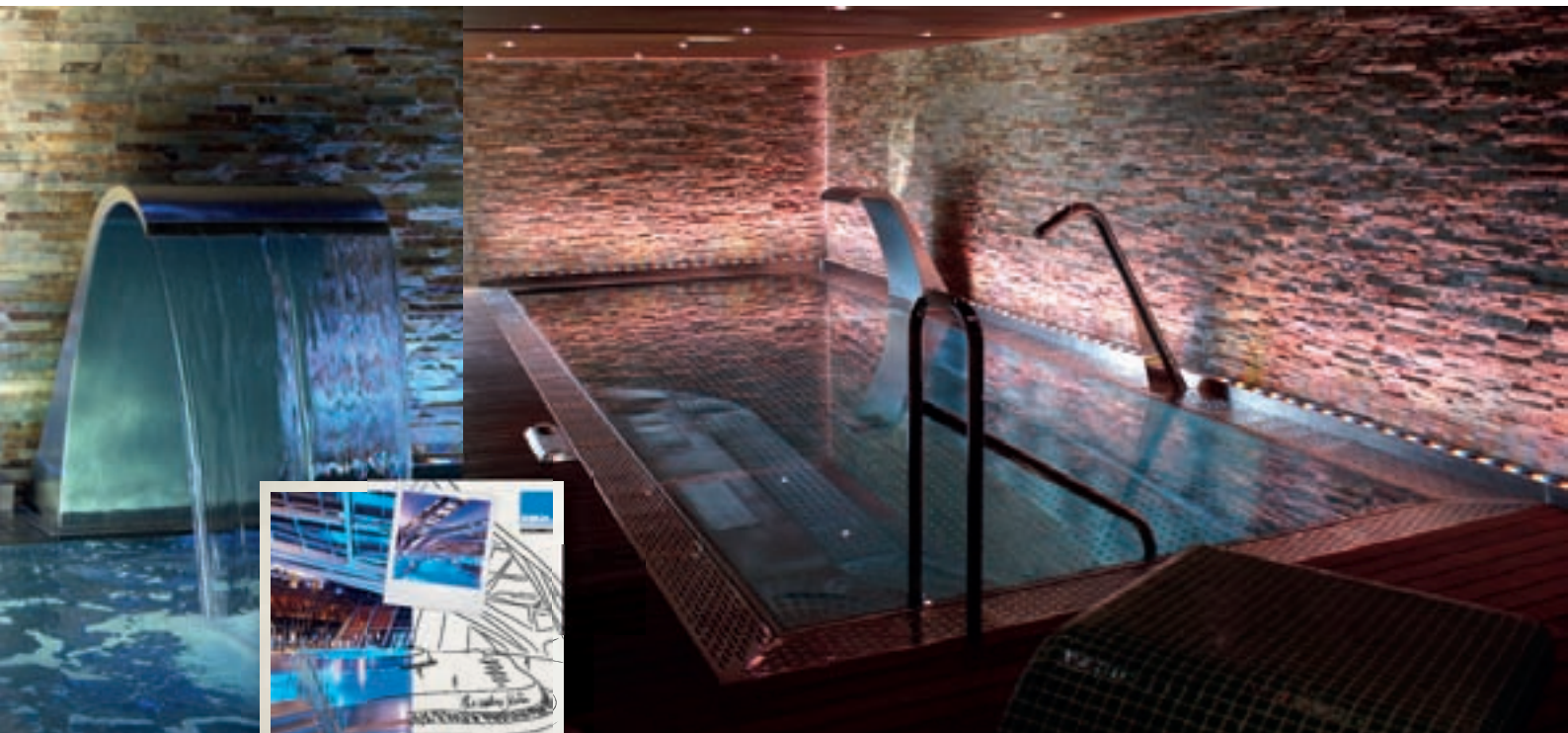
Much more than swimming pools, their high quality and beauty will leave you with unforgettable memories. Turnkey solutions are available both for residential and public pools (hotels, sports clubs, spas, etc.).

Advantages of a SPÆCIAL INOX pool:

- **Durable.** They last a lifetime.
- **Watertight.** They never leak or lose water.
- **Adaptable.** We will design the pool of your dreams, whatever your specifications.
- **Clean.** Dirt does not stick to them.
- **Sustainable.** The stainless steel is fully recyclable.
- **Elegant.** They have unique finishes.

Place your trust in **SPÆCIAL INOX**. We will create **the pool of your life** built to last a lifetime. **WARRANTY OF UP TO 20 YEARS.**

**Customised, integrated solutions adapted
to your needs and to your imagination.
Hypnotic pools.**



Ask for your new Spaecial catalogue by AstralPool

SKYPOOL COMMERCIAL POOLS

A versatile public pool...

Skypool Commercial Pools is the range of prefabricated panel pools developed by **AstralPool** for public pools.

Skypool Commercial Pools is composed of a hot galvanised steel structure that facilitates the construction of all sizes of above or inground pools in a very short period of time.

The method used by **AstralPool** in order to protect the materials used from rust is hot galvanisation. This is an innovative process which is being applied for the first time to 2-mm thick steel sheets, and consists of immersing the steel in molten zinc baths at approximately 450° C.

Skypool Commercial Pools can be adapted to all public pool requirements with tailor-made technical solutions. Movable floors and booms are available; panels and overflow gutter can be individually adjusted to absorb possible construction deficiencies in the slab or paving.

This, combined with a variety of accessories, allows for a more generalised use of the pool.

A broad range of models and variations of **Skypool Commercial Pools** allows for complete adaptation to any existing infrastructures such as stadiums, sports halls and other venues for any type of regional, national or international event. Fixed models can also be created to increase pool facilities available such as spa installations, hotels, water parks, etc.

Skypool Commercial Pools, a high-performance pool

Quick assembly

Reduced assembly time thanks to easy-to-assemble fully prefabricated components.

Extremely long-lasting

Manufactured for maximum quality, functionality and durability.

Excellent reliability

Totally safe construction system using the best components.

The best investment

No complex infrastructure required for a fully equipped pool at low cost.

SKYPOOL COMMERCIAL POOLS: FIXED MODEL

Fixed Skypool Commercial Pools

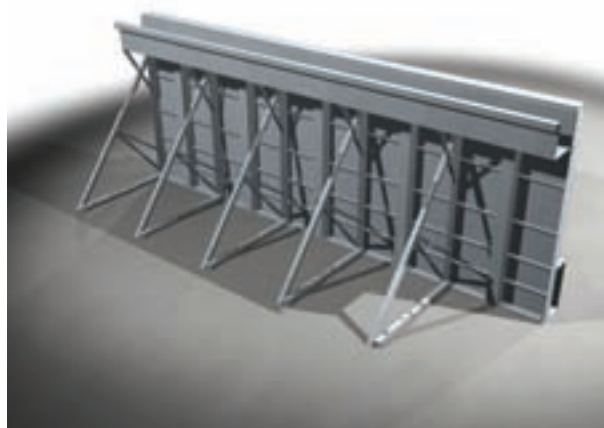
A multi-purpose pool anchored to the previously installed concrete slab with chemical anchors, can be adapted to the needs of any installation.

Depending on your specific requirements, you may choose between an above ground or an in-ground pool. Selecting of one option or the other does not require modifications to either the assembly method or the design of the panels or anchoring system. All procedures and materials are fully compatible for both alternatives.

The size and the amount of chemical plugs will depend on the type of pool.

Fixed Skypool Commercial Pools,

a multi-purpose pool fixed to the ground



Yeroskipou (Paphos-Cyprus)

AstralPool, together with our local partner Capershill Ltd., have managed to produce, install and finish an Olympic size swimming pool (50x25x2m), within record time.

The President of Cyprus, Mr.Tassos Papadopoulos, attended the installations inauguration with many government officials, which took place on July 30th, 2004.

Materials supplied by AstralPool for this project:

- Hot-dip galvanised steel panels
- PVC Liner
- Ceramic tiles
- Filters: 8 bobbin wound filters Ø 2000 mm
- Ozone contact chamber
- All accessories: Overflow grating, starting blocks, false start posts, backstroke posts, float lines + rollers, S.S. underwater lights (28), fittings.



Skyline Skypool (Manchester - UK)

Cheshire Spas and Pools have installed UK's first fixed Skypool. This time, the pool, from AstralPool UK, is on the 18th floor of a prestigious new residential complex in Manchester and is thought to be the highest pool in Europe. The pool, which will serve residents of the 248 apartments, will be part of a complete leisure centre with a gym, sauna and steam baths.

Materials supplied by AstralPool for this project:

- Hot-dip galvanised steel panels
- 2 bobbin wound filters Ø 1200
- 9 LED underwater lights
- 2 ladders for overflow pools
- 2 Maxim pumps
- Pool surround equipment

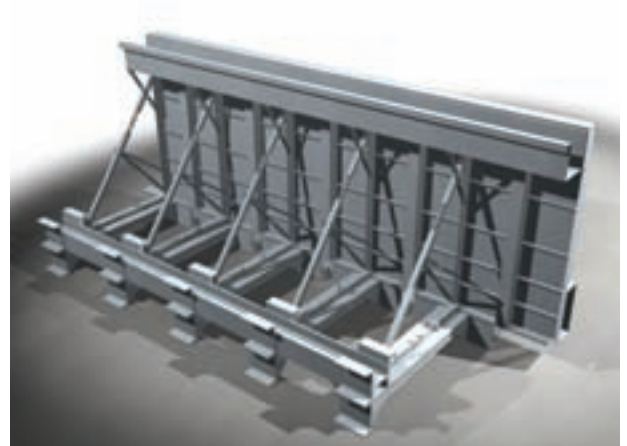


SKYPOOL COMMERCIAL POOLS: SUSPENDED MODEL

Suspended Skypool Commercial Pools

Panels are mounted onto structures which are joined via a longitudinal beam. In order to be able to withstand water pressure, opposing blocks are connected via steel cables which run length-wise and breadth-wise across the pool floor. In order to fully conceal the cables, a raised floor is installed. The final result is a perfectly level and consistent slab onto which the liner can be fitted. As the water fills the shell of the pool, the steel cables become tighter, counteracting the pressure exerted by the water mass on the pool structure.

Suspended Skypool Commercial Pools, an adaptable and temporary pool



Melbourne

A technological milestone:

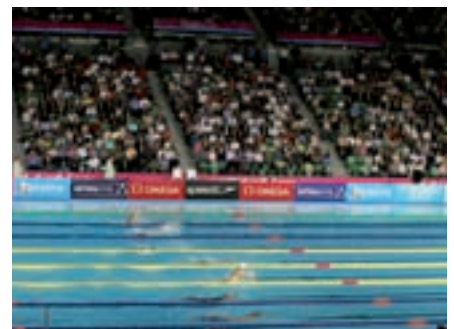
The pool for the Championships had to fulfil special FINA requirements and face many challenges. The main ones were to fit a 3 m deep Olympic size suspended pool onto the famous floor of the Rod Laver Arena, home to the tennis Australian Open. All of this had to be done in a short period of time and of course without damaging the court.

Thanks to the Skypool technology, AstralPool could provide a solution to these requirements. In only four weeks, 350 galvanised steel panels were installed over a floating structure, which supported a pressure of 4500 kg per square metre, more than double that of a conventional pool. After finishing the Championships in just two weeks, both the competition pool and the warmup pool (25 x 50 x 2 m) were dismantled. Both swimming pools will be permanently installed by the government of Victoria as part of its legacy programme.

The technique applied in Melbourne was used for the first time by Aquaria when installing the pool at the Palau Sant Jordi in Barcelona for the 2003 World Championships and later FINA once again placed their trust in the company to construct the main pool for the 2006 Shanghai World Championships.

Key figures:

Dimensions:	50 x 25 m with a 3 m depth
Capacity:	3750 m ³
Filling time:	30 hours
Assembly time:	4 weeks
Dismantling time:	2 weeks
Rod Laver spectators:	12,000



POOL SURROUND EQUIPMENT

- 30 • Pool Access - Ladders
- 33 • Pool Access - Ladders
- 33 • Pool Access - Exit grab rails
- 36 • Pool Access - Accessories
- 37 • Disabled access ladders
- 39 • Handrails
- 40 • Handrail brackets
- 40 • Lifeguard chairs
- 41 • Life saving accessories
- 41 • Diving boards
- 42 • Showers
- 43 • Modular overflow grating





Additional info in PDB
www.astralpool.com

POOL ACCESS - LADDERS

Elegance ladders

Elegantly designed stepladder with vertical bars that provide easier access to the pool. Manufactured in AISI 316 with 2 anchors. The ladders incorporates a double step with non-slip material for added safety and comfort. Available in 3 or 4 steps. Comes with a 3 year guarantee.



Ladders without the commercial pool icon are only recommended for residential pools.

Elegance Stainless Steel

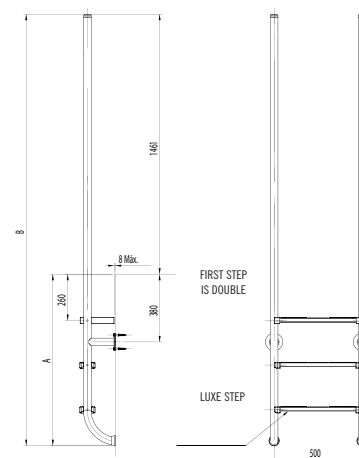
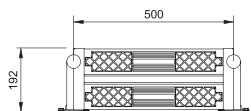
3 steps ladder

4 steps ladder

Discount group	Code	Unit £
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J	45782	475.00
J	45783	515.00

Code	Steps	A	B
45782	2 + 1 safety	960	2421
45783	3 + 1 safety	1210	2671

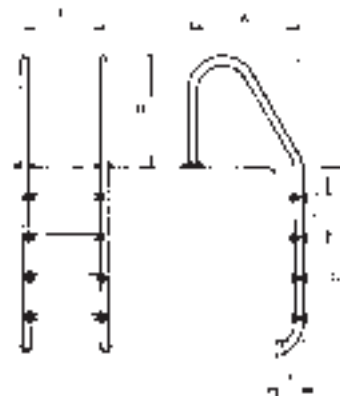


Standard ladder with handrail

Top Double tread in accordance with BS EN 13451, ladder width 500 mm. Handrails in hand polished Stainless Steel (Ø 43 mm). Treads and rails in Stainless Steel AISI-316. Complete with fixing anchors and earth connection.



Treads	A	B	C	D	E	F
2	650	750	250	710	180	500
3	650	750	250	960	180	500
4	650	750	250	1210	180	500
5	650	750	250	1460	180	500



Discount group	Code	Unit £
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J	LUK000017	461.00
J	LUK000018	515.00
J	LUK000019	564.00

3 treads ladder
4 treads ladder
5 treads ladder

NB: AstralPool Stainless Steel products, particularly those with welded plates, will not be covered under guarantee if used in water treated with salt electrolysis.

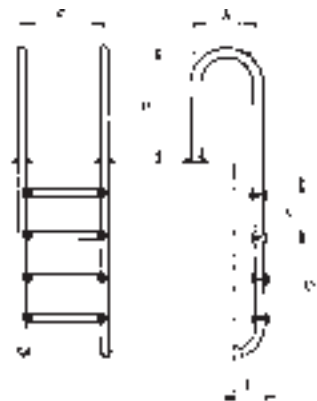
Ladders without the commercial pool icon are only recommended for residential pools.

POOL ACCESS - LADDERS

Muro model ladder

Ladder width 500 mm. Handrails in hand polished Stainless Steel (Ø 43 mm). Treads and rails in Stainless Steel AISI-316. Complete with fixing anchors and earth connection.

Treads	A	B	C	D	E	F
2	350	620	250	710	180	500
3	350	620	250	960	180	500
4	350	620	250	1210	180	500
5	350	620	250	1460	180	500



- 2 treads ladder
- 3 treads ladder
- 4 treads ladder
- 5 treads ladder

Discount group	Code	Unit £
J	05480	291.00
J	05481	337.00
J	05482	386.00
J	05483	431.00

Deluxe treads are also available in AISI-304 under special order.



Ladder model for overflow swimming pool

The steps are 500 mm wide, manufactured according to regulations EN 13451-1 and EN 13451-2. It is easy to install since it does not require wall supports. It will replace the current 1000 Model for overflow swimming pools and can be replaced without building works. Handrails in 43 x 1.5 diameter S.S. AISI-316, with polished chrome finish.

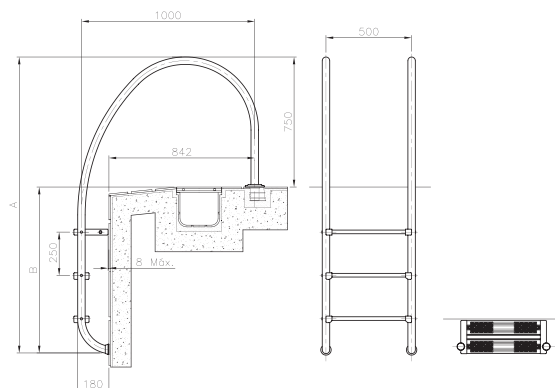
- 3 treads
- 4 treads

Discount group	Code	Unit £
J	32654	596.00
J	32655	648.00

Code	Treads	A	B
32654	3	1710	960
32655	4	1960	1210



Not to be used with anchors
00043 - 08727 - 18243





Additional info in PDB
www.astralpool.com

POOL ACCESS - LADDERS



Easy access model

Ladder width 500 mm. Handrails in hand polished Stainless Steel (Ø 43 mm). Complete with fixing anchors and earth connection. Rails and non-slip DELUXE treads in AISI-316.



3 treads
4 treads

Discount group	Code	Unit £
J	07782	690.00
J	11979	823.00

Code	Treads	A	B	C	D	E	F
07782	3	1835	750	250	243	490	500
11979	4	2085	750	250	243	490	500

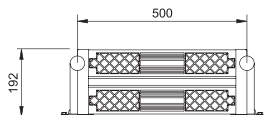


Non-slip double safety tread

Complete with wedge anchor fixings and top double safety tread in accordance with BS EN 13451. Rails and non-slip DELUXE treads in AISI-316.



Discount group	Code	Unit £
J	07603	88.00



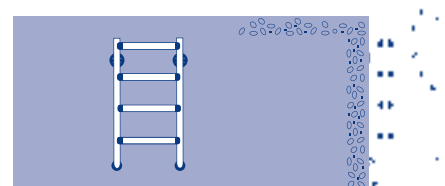
Split S.S. pool ladder

With top double safety tread. Flanged top only. Rails and treads in AISI-316.



Discount group	Code	Unit £
J	08090	291.00
J	08091	340.00
J	08092	394.00
J	08093	444.00

Code	Treads	A	B	C
08090	2	710	180	250
08091	3	960	180	250
08092	4	1210	180	250
08093	5	1460	180	250



NB: AstralPool Stainless Steel products, particularly those with welded plates, will not be covered under guarantee if used in water treated with salt electrolysis.

POOL ACCESS - LADDERS



Above-ground pool safety ladder with platform

New

Ladder manufactured in AISI-304 stainless steel Ø43 pipe with a bright satin finish and plastic treads. White steps and plastic platform. Non-slip steps and platform. Safe pool access. Ladder maximum load: 150 kg.

	Discount group	Code	Unit £
For above-ground pool height			
1 m	J	67656	388.00
1.20 or 1.35 m	J	67657	446.00
1,50 m	J	67658	493.00

POOL ACCESS - EXIT GRAB RAILS

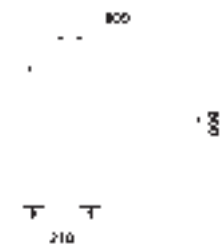


800 x 800 mm model



In polished S.S. AISI-316 43 mm tube. Exit grab rails supplied as a pair complete with fixing plates, gaskets, screws and rawl plugs.

With fixing plates (pair)
For embedding (pair)



	Discount group	Code	Unit £
With fixing plates (pair)	J	05541	381.00
For embedding (pair)	J	05540	299.00

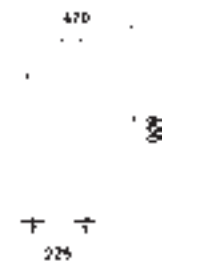


470 x 800 mm model



In polished S.S. AISI-316 43 mm tube. Exit grab rails supplied as a pair complete with fixing plates, gaskets, screws and rawl plugs.

With fixing plates (pair)



	Discount group	Code	Unit £
With fixing plates (pair)	J	05542	341.00

NB: AstralPool Stainless Steel products, particularly those with welded plates, will not be covered under guarantee if used in water treated with salt electrolysis.



Additional info in PDB
www.astralpool.com

POOL ACCESS - EXIT GRAB RAILS

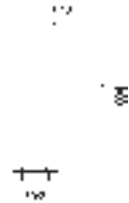


470 x 800 mm with rectangular base plate model



In polished S.S. AISI-316 43 mm tube. Exit grab rails supplied as a pair complete with fixing plates, gaskets, screws and rawl plugs.

With fixing plates (pair)



Discount group	Code	Unit £
J	05543	341.00

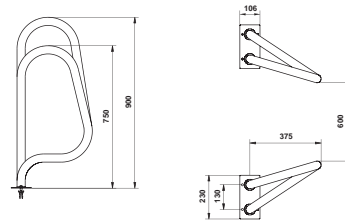


Crossover model



In polished S.S. AISI-316 43 mm tube. Exit grab rails supplied as a pair complete with fixing plates, gaskets, screws and rawl plugs.

With fixing plates (pair)



Discount group	Code	Unit £
J	05544	382.00



Parallel model



In polished S.S. AISI-316 43 mm tube. Exit grab rails supplied as a pair complete with fixing plates, gaskets, screws and rawl plugs.

For fixing with anchor 00143 (not included)



Discount group	Code	Unit £
J	00110	385.00

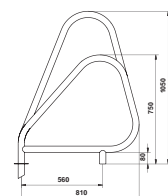


Asymmetrical model



In polished S.S. AISI-316 43 mm tube. Exit grab rails supplied as a pair complete with fixing plates, gaskets, screws and rawl plugs.

For fixing with anchor 00143 (not included)



Discount group	Code	Unit £
J	00111	381.00

Conforms to BS EN 13451

NB: AstralPool Stainless Steel products, particularly those with welded plates, will not be covered under guarantee if used in water treated with salt electrolysis.

POOL ACCESS - EXIT GRAB RAILS



Grab rails

Polished S.S. AISI-316. Ø 43 mm.

For embedding

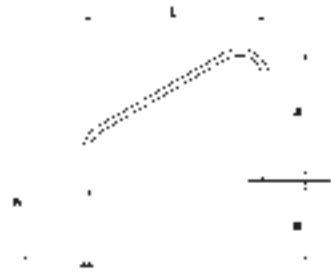
(Pair). Length. 1220 mm
(Pair). Length. 1524 mm

With flanges (gaskets, fixing plugs, and screws)

(Pair). Length. 1220 mm
(Pair). Length. 1524 mm

Discount group	Code	Unit £
J	00034	313.00
J	00035	328.00
J	00036	429.00
J	00037	444.00

L	A	B
1220	800	608
1524	800	855



Extra reach grab rail

Polished S.S. AISI-316. Ø 43 mm tube
(1 unit).

For embedding (anchors not included)

With flanges (elastic gaskets, fixing plugs, and screws)

Discount group	Code	Unit £
J	07780	191.00
J	07781	230.00

Code	A	B	C
07780	1250	800	203
07781	1250	800	203



Ladders and grab rails made to measure

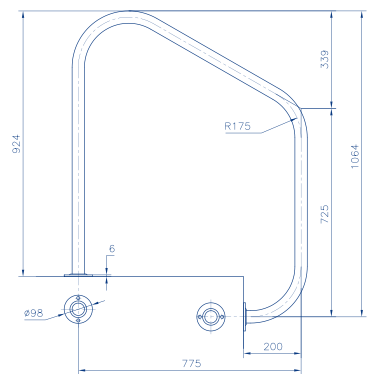
Stainless steel ladders and handrails can be modified to suit your requirements.



TREAD LADDER



GRAB RAIL L = 900



SPECIAL HANDRAIL

NB: AstralPool Stainless Steel products, particularly those with welded plates, will not be covered under guarantee if used in water treated with salt electrolysis.



Additional info in PDB
www.astralpool.com

POOL ACCESS - ACCESSORIES



Ladder anchor



In PP plastic and fibreglass for Ø 43 tube. Complete with earth connection.

	Discount group	Code	Unit £
(Price per pair)	J	4401010101	45.00



Ladder pivot



In Stainless Steel (AISI-316) for Ø 43 tube. For use with anchor 00143.

	Discount group	Code	Unit £
(Price per unit)	J	00043	103.00



Flanged ladder pivot



In Stainless Steel (AISI-316) for Ø 43 tube.

	Discount group	Code	Unit £
(Price per unit)	J	08727	106.00



Reinforced anchor



In Stainless Steel (AISI-316) for Ø 43 mm tube. Complete with gaskets, screws and rawl plugs.

	Discount group	Code	Unit £
(Price per pair)	J	18243	205.00



Anchor with locking bolts



In Stainless Steel AISI-316 Ø 43 mm tube.

	Discount group	Code	Unit £
(Price per unit)	J	00143	148.00



Ladder foot pad



Made in soft PVC, angle can be adjusted by rotating the ball, for 43 mm tube.

	Discount group	Code	Unit £
(Price per unit)	J	00045	8.50



Escutcheon cover

In Stainless Steel AISI-316. For Ø 43 mm tube.

	Discount group	Code	Unit £
(Price per unit)	J	05547	6.00

NB: AstralPool Stainless Steel products, particularly those with welded plates, will not be covered under guarantee if used in water treated with salt electrolysis.

DISABLED ACCESS LADDERS

Hydraulic chair lift



Frame mostly made in Stainless Steel AISI-316 with a central hydraulic mechanism and a seat, also incorporates a ladder for the assistant. For correct hydraulic operation a minimum 3.5 kg/cm² water supply pressure is required.

	Discount group	Code	Unit £
Rails L-650	J	28619	1,335.00
Rails L-1000	J	28620	1,335.00
Cylinder	J	28621	2,141.00
Components	J	28622	2,722.00

INSTALLATION:

The external fixings consist of 2 metal anchors (supplied with the unit) and the 2 internal fixings are adjustable which allows the height to be altered for different types of swimming pool surround.

For pool depths below 1.5 m please inquire.

Public ladders PMR



Made in Stainless Steel AISI-316. Polished finish. Step punching slip. 940mm Wide. Manufactured according to EN 13451-2.

	Discount group	Code	Unit £
3 steps	J	64894	2,669.00
4 steps	J	64895	3,170.00
5 steps	J	64896	3,658.00
6 steps	J	64897	4,145.00
7 steps	J	64898	4,633.00
8 steps	J	64899	5,121.00

For ease of entry into exercise or hydrotherapy pools. Easy assembly.



Additional info in PDB
www.astralpool.com

DISABLED ACCESS LADDERS

Pool ladders of 500 mm width



In Stainless Steel AISI-316, with plastic non-slip treads. Complete with 4401010101 fixing anchors.

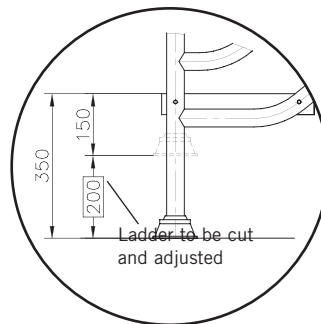
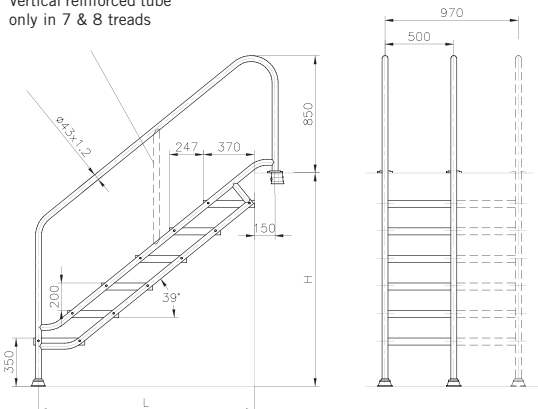


- 4 treads
- 5 treads
- 6 treads
- 7 treads
- 8 treads

Discount group	Code	Unit £
J	00116	1,314.00
J	00117	1,544.00
J	00118	1,707.00
J	00119	1,707.00
J	00120	2,235.00

500 model	970 model	TREADS	H	L
00116	00116 + 4 unit x KIT 28615	4	950 - 1150	1075
00117	00117 + 5 unit x KIT 28615	5	1150 - 1350	1325
00118	00118 + 6 unit x KIT 28615	6	1350 - 1550	1570
00119	00119 + 7 unit x KIT 28615	7	1550 - 1750	1820
00120	00120 + 8 unit x KIT 28615	8	1750 - 1950	2065

Vertical reinforced tube only in 7 & 8 treads



Example:

For a 970 mm ladder with 7 treads, please order:

- 1 **00119**
- 7 **28615** (1 Kit per tread)

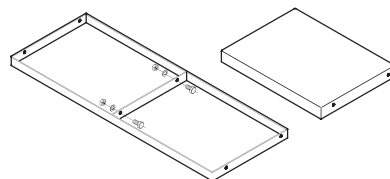


Tread kit for transforming a ladder from width 500 to 970 mm



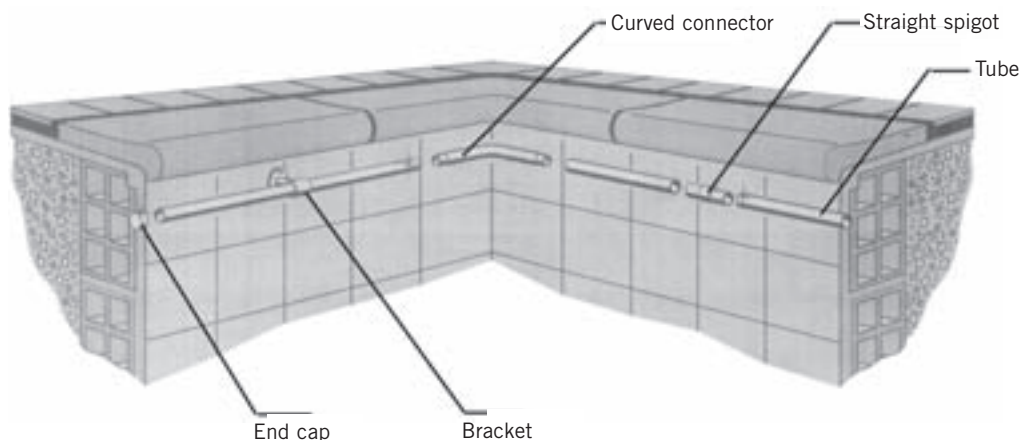
1 Kit per tread is required.

Discount group	Code	Unit £
J	28615	453.00



NB: AstralPool Stainless Steel products, particularly those with welded plates, will not be covered under guarantee if used in water treated with salt electrolysis.

HANDRAILS



All handrail and support fixtures shown are in polished Stainless Steel Ø 43 mm tube.



Straight handrails

Sealed ends. In S. S. AISI-316.

- 1 m length
- 2 m length
- 3 m length
- 5 m length

Discount group	Code	Unit £
J	05545	57.00
J	05545200	114.00
J	05545300	170.00
J	05545500	282.00



Extras

In S. S. AISI-316. For joining Ø 43 mm tube.

- Joining spigot
- Curved handrail joining spigot
- End caps

Discount group	Code	Unit £
J	09452	50.00
J	11286	82.00
J	08014	15.00



Adaptor kit for pool liner retaining bracket

In S. S. AISI-316.

Adaptor kit for pool liner retaining bracket

Discount group	Code	Unit £
J	26172	103.00





PDB
Product Database

Additional info in PDB
www.astralpool.com

HANDRAIL BRACKETS



Open flanged bracket

For Ø 43 mm tube. In S.S. AISI-316. Supplied with gaskets, rawl plugs, and screws.



Discount group	Code	Unit £
J	08013	46.00



Closed flanged bracket

For Ø 43 mm tube. In S.S. AISI-316. Supplied with gaskets, rawl plugs, and screws.



Discount group	Code	Unit £
J	07789	55.00



90° angle handrail support

For Ø 43 mm tube. In S.S. AISI-316. Supplied with gaskets, rawl plugs, and screws.



Discount group	Code	Unit £
J	11143	76.00

LIFEGUARD CHAIRS



Lifeguard chair

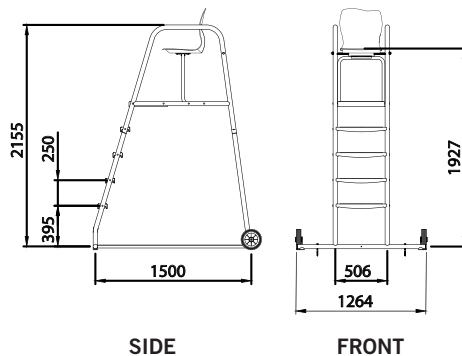
Made in Stainless Steel AISI-304, Ø 43 mm tube. With dismantlable base plate, treads and platform. Base includes wheels. Lifebelt support and sun umbrella support to be ordered as separate items.



56994

56995

Discount group	Code	Unit £
J	56993	1,246.00
J	56994	53.00
J	56995	115.00



NB: AstralPool Stainless Steel products, particularly those with welded plates, will not be covered under guarantee if used in water treated with salt electrolysis.

LIFE SAVING ACCESSORIES



Life saving hook



In Stainless Steel AISI-304. For use with telescopic handles 01361, 01362, 01363, & 15838 via butterfly nuts.

Discount group	Code	Unit £
J	01368	89.00



Life Buoy



In orange plastic. Exterior Ø 730 mm.

Discount group	Code	Unit £
J	01369	138.00



Lifebelt holder



In Stainless Steel AISI-304.

Discount group	Code	Unit £
J	01370	84.00
J	01371	114.00

01370

Lifebelt holder
Post for holder



01371

DIVING BOARDS

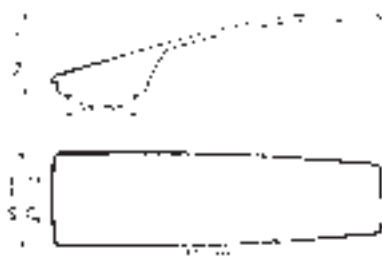


Dynamic Diving Board

With highly resistant gel coated surface which remains flexible even after UV exposure and adverse weather conditions. Also new non-slip surface covering entire length of board with the addition of water repellent, non-slip adhesive strips over the spring area for maximum safety. Supplied with anchor and fixings.

Discount group	Code	Unit £
J	21392	644.00

Length 1.61 m. Width 0.46 m



NB: AstralPool Stainless Steel products, particularly those with welded plates, will not be covered under guarantee if used in water treated with salt electrolysis.



For more showers please refer to the **PDB**
www.astralpool.com

SHOWERS

Niagara shower

Polished Stainless Steel AISI-304 shower with 1 square shower-head (150 mm x 150 mm) and 1 valve.



Niagara shower



SHOWER HEAD



VALVE

Discount group	Code	Unit £
J	53872	667.00

Shower with timer, 1 showerhead and footwash tap



Showers specially designed to be installed in facilities with a high footfall (public and semi-public pools). AstralPool showers for public facilities are characterised by their highly resistant materials, considered vandal-proof, and the water savings made thanks to their built-in flow limiters.



Shower with timer, 1 showerhead and footwash tap



SHOWER HEAD



TIMER PUSH BUTTONS



FOOTWASH

Discount group	Code	Unit £
J	59777	758.00

Angel shower with footwash

Polished Stainless Steel AISI-304 shower (diameter 43 mm) with 1 chromed and anti-lime scale shower-head, 1 valve and footwash tap.



Angel shower footwash



SHOWER HEAD



VALVE



FOOTWASH

Discount group	Code	Unit £
J	52718	230.00

NB: AstralPool Stainless Steel products, particularly those with welded plates, will not be covered under guarantee if used in water treated with salt electrolysis.

MODULAR OVERFLOW GRATING

GENERAL NOTE FOR ALL TYPES OF MODELS

Made in PP, stabilised against UV rays. Standard white colour.

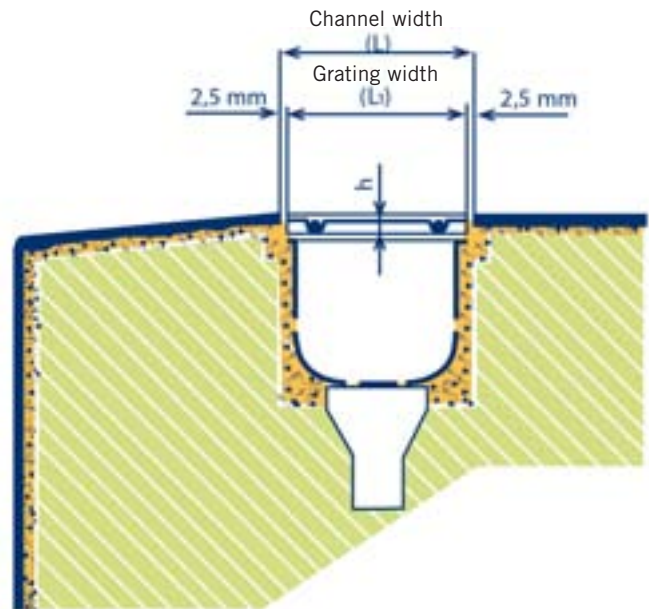
These are supplied as modules of tiles for straight or curved runs (external radius of 1 or 2 metres). The tiles click together with a male-female pressure fit permitting a certain amount of flexibility in assembly which absorbs any expansion which may occur when the tiles are exposed to heat fluctuations.

For all types of grating it is necessary to construct the channel 5 mm wider than the grating itself, to allow for ease of removal and expansion.

Channel width	Grating width
200.....	195
250.....	245
300.....	295
350.....	345

Height of grating (h) varies according to model.

- Longitudinal model h = 24 mm
- Traversal model h = 22 mm and h = 35 mm



Parallel grating tile



For clicking together same types of male-female tiles (5 units = 1.024 m).

Height 24 mm, width 195 mm
 Height 24 mm, width 245 mm
 Height 24 mm, width 295 mm
 Height 24 mm, width 345 mm

Discount group	Code	Unit £
A	05581	12.40
A	05582	12.70
A	05583	13.30
A	05584	13.90



End piece kit for parallel grating corners



Comprising 1 finished half tile & 1 Stainless Steel grating profile, should cutting be necessary.

Height 24 mm, width 195 mm
 Height 24 mm, width 245 mm
 Height 24 mm, width 295 mm

Discount group	Code	Unit £
A	16064	47.00
A	16065	53.00
A	16066	54.00



Modular grating



49 units per m.

Height 22 mm, width 195 mm
 Height 22 mm, width 245 mm

Discount group	Code	Unit £
A	00212	1.50
A	00213	1.50



Additional info in PDB
www.astralpool.com

MODULAR OVERFLOW GRATING



Grating support profile



Suitable for 22, 24 and 35 mm high grating. Made in plastic. Supplied in 2 m lengths. Inside measurement 24 mm x 37 mm.

Price per 2 m length

Discount group	Code	Unit £
A	00224	10.50



Grating Cable & Pins



Plasticized steel cable, 2.5mm, p/m
Stainless Steel plasticized cable, 2.5mm, p/m

Discount group	Code	Unit £
A	00214	1.00
A	00215	1.40



Brass locking pins for cable



Brass locking pins for cable

Discount group	Code	Unit £
A	00216	3.00



Parallel grating tile in Stainless Steel



Parallel grating tile in AISI-316 Stainless Steel for deck level pools. Designed to ensure the pool surround area is kept dry. A channel 5mm greater than the tile width should be constructed to ensure good seat adjustment. The straight tiles measure 500 mm in length, although other lengths are available on request.

Stainless Steel tile 195 mm
Stainless Steel tile 245 mm
Stainless Steel tile 295 mm
Stainless Steel tile 345 mm

Discount group	Code	Unit £
J	32415	147.00
J	32416	168.00
J	32417	183.00
J	32418	197.00



Stainless steel reinforced grating



New

AISI-316 stainless steel grating, compliant with standard EN: 1345-1:2000. Resistant to salt water. Intended for use in both residential and public pools.

Reinforced 252 x 252 mm grating
Reinforced 410 x 410 mm grating

Discount group	Code	Unit £
J	70956	215.00
J	70957	393.00



70956



70957



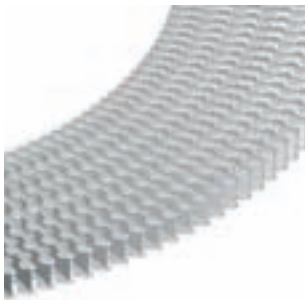
Complies with Standard
EN 1345-1:2000

MODULAR OVERFLOW GRATING



Modular grating for Straight or Curves

PP material. Snaps together on central spine allowing for flexibility between tiles. According to EN-13451-1 standard (8 mm). Five colours available. 53 units per metre. Standard supplied in white.



MODULAR GRATING

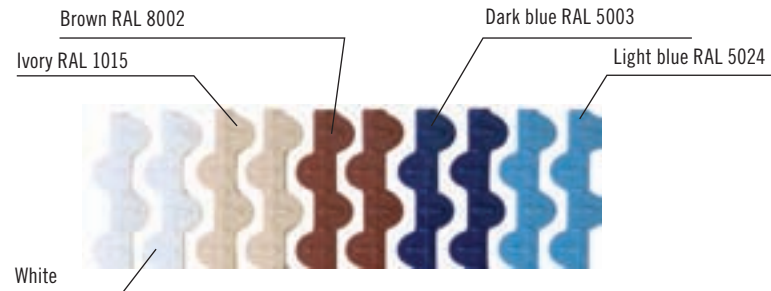
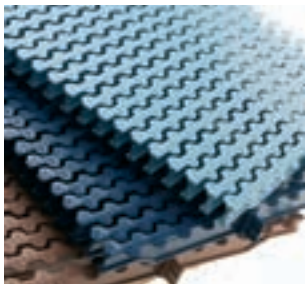
Height 22 mm, width 195 mm
 Height 22 mm, width 245 mm
 Height 22 mm, width 295 mm
 Height 22 mm, width 335 mm

Discount group	Code	Unit £
A	34190	1.20
A	34191	1.25
A	34192	1.25
A	34193	1.50

REVERSIBLE MODULAR GRATING

Height 35 mm, width 195 mm
 Height 35 mm, width 245 mm
 Height 35 mm, width 295 mm
 Height 35 mm, width 335 mm

A	34194	1.20
A	34195	1.25
A	34196	1.35
A	34197	1.55



Colour	Code
White	-
RAL 1015	CL90
RAL 8002	CL109
RAL 5003	CL60
RAL 5024	CL 108

Grating is also now available in black and grey.



Modular transversal grating for straight or curves



Made of PP stabilised against UV rays. Assembled by fitting the modules together. Total of 45 units per metre.

MODULAR GRATING

Height 22 mm, width 195 mm
 Height 22 mm, width 245 mm
 Height 22 mm, width 295 mm
 Height 22 mm, width 335 mm

Discount group	Code	Unit £
A	11107	1.15
A	11108	1.35
A	19202	1.35
A	19203	1.60

REVERSIBLE MODULAR GRATING

Height 35 mm, width 195 mm
 Height 35 mm, width 245 mm
 Height 35 mm, width 295 mm
 Height 35 mm, width 335 mm

A	00220	1.15
A	00221	1.35
A	00222	1.35
A	00223	1.60



90° corner tiles for overflow channels



Made from injected polypropylene, in white.

Height 22 mm, width channel 195 mm
 Height 22 mm, width channel 245 mm
 Height 22 mm, width channel 295 mm
 Height 22 mm, width channel 335 mm
 Height 35 mm, width channel 195 mm
 Height 35 mm, width channel 245 mm
 Height 35 mm, width channel 295 mm
 Height 35 mm, width channel 335 mm

Discount group	Code	Unit £
A	22379	38.00
A	22380	47.00
A	22381	59.00
A	22382	71.00
A	22383	41.00
A	22384	50.00
A	22385	63.00
A	22386	75.00

Colours available on request



POOL SHELL EQUIPMENT

- 48 • Pool basin components Range of colours
- 50 • Concrete pools - Skimmers accessories
- 51 • Concrete pools - Stainless Steel skimmers
- 53 • Concrete pools - Skimmer accessories in S.S.
- 53 • Concrete pools - Level regulator
- 54 • Concrete pools - Main drains
- 57 • Concrete pools - Main drain accessories
- 57 • Concrete pools - Drain grilles
- 59 • Concrete pools - ABS plastic inlets
- 62 • Concrete pools - S.S. inlets
- 63 • Concrete pools - Wall conduits
- 64 • Liner and prefabricated pools - Skimmers 17.5 l
- 67 • Liner and prefabricated pools - Main drains
- 71 • Liner and prefabricated pools - ABS inlets
- 75 • Liner and prefabricated pools - Stainless Steel inlets
- 76 • Liner and prefabricated pools - Wall conduits

POOL BASIN COMPONENTS RANGE OF COLOURS

VERSALITY AND COLOUR FOR YOUR POOL

A wide range of embedded components available in different colours for a perfect finish to your pool.



CONCRETE POOLS - SKIMMERS 17.5 L

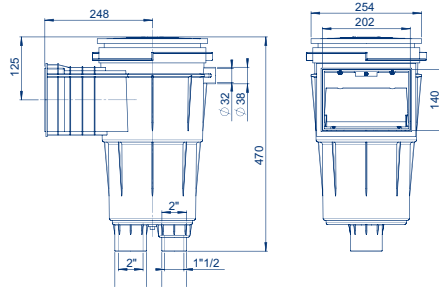
All exposed skimmer parts are UV resistant. **Recommended flow 7.5 m³/h.** In white ABS with silent weir flap and flow regulation plug. 1 1/2" female - 2" male suction connections. Ø 50 mm solvent connection also provided. Overflow connection Ø 32 mm. Lid with spring clip fastening system with lid height adjustment to fit surround perfectly. Basket secured to base with bayonet fixing. Weir flap included. We recommend installing one skimmer for every 25m² of water surface area.



Skimmer with standard throat



Square lid

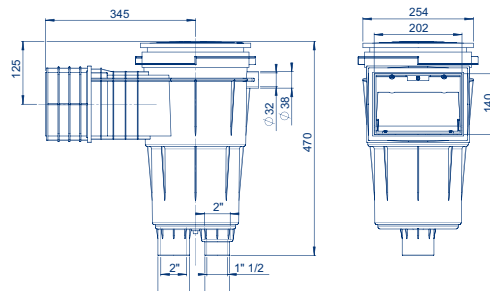


Discount group	Code	Unit £
A	11306	118.00

Skimmer with extended throat



Square lid

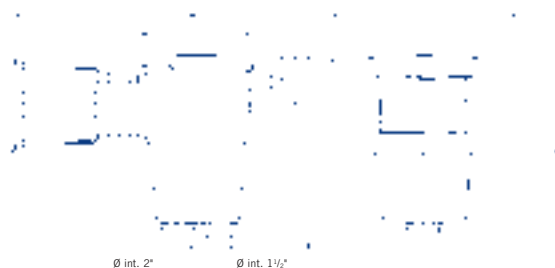


Discount group	Code	Unit £
A	11307	140.00

Skimmer with wide throat and face plate



Square lid



Discount group	Code	Unit £
A	11304	152.00



CONCRETE POOLS - SKIMMERS 17.5 L

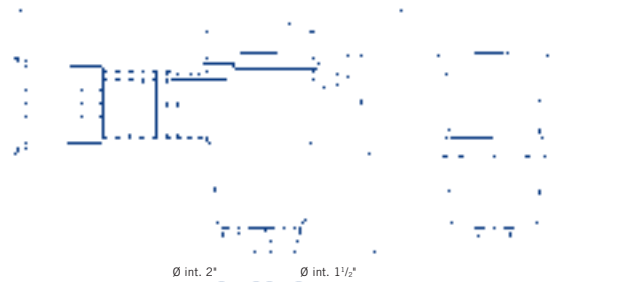


Skimmer with extended wide throat and face plate 422 x 209 mm



Square lid

Discount group	Code	Unit £
A	11305	175.00



Versions of the 17.5 litre skimmer can be supplied with extensions much larger than those previously stated. This could be of particular interest when using wider coping stones than the usual width.

CONCRETE POOLS - SKIMMERS ACCESSORIES

Covers for 17.5 l skimmers

New



	Discount group	Code	Unit £
Round cover, round face plate	A	05280-0600	21.00
	A	05280-0600CL090	25.00
	A	05280-0600CL129	25.00
	A	05280-0600CL144	25.00
Round cover, square face plate	A	05280-0700	25.00
	A	05280-0700CL090	30.00
	A	05280-0700CL129	30.00
	A	05280-0700CL144	30.00

CONCRETE POOLS - SKIMMER ACCESSORIES



17.5 lt skimmer extension ring to extend by 40mm



An additional ring for better adjusting and leveling 17.5 skimmer lid to the floor level. Made in ABS. Allows total flexibility to ensure lid frame is flush with any surface.

Discount group	Code	Unit £
A	18153	9.50

Floating weir assembly in ABS



Complete with basket in white ABS.

For 15 litre skimmers
For 17.5 litre skimmers

Discount group	Code	Unit £
A	00253	15.00
A	05703	15.00

CONCRETE POOLS - STAINLESS STEEL SKIMMERS

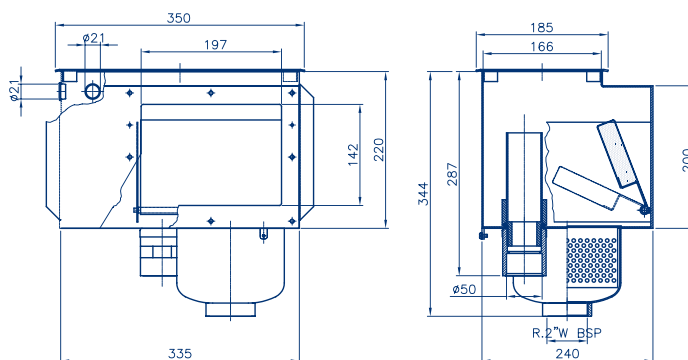
A-100 S.S. skimmer



In S.S. AISI-316. With \varnothing 50 mm overflow. Provided with space for installing water level regulating valve 00256. With earth connection. Recommended flow: 7.5 m³/h.

Skimmer
Decorative frame for above

Discount group	Code	Unit £
J	00254	717.00
J	00255	78.00



CONCRETE POOLS - STAINLESS STEEL SKIMMERS



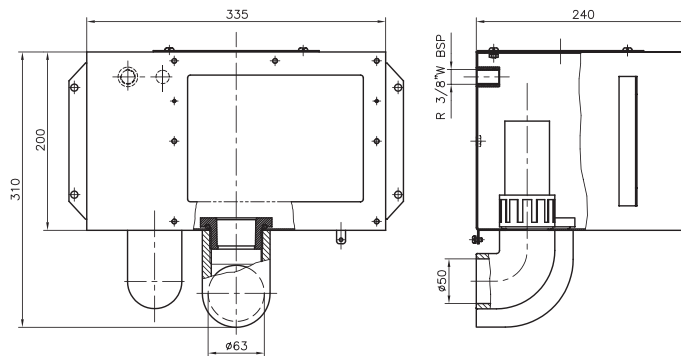
Skimmer body A-201

In S.S. AISI-316. With Ø 50 mm overflow. Skimmer housing without telescopic lid. Provided with space for fitting water level regulating valve 00256. With earth connection.



Skimmer body
Skimmer basket for above

Discount group	Code	Unit £
J	07520	603.00
J	07521	276.00



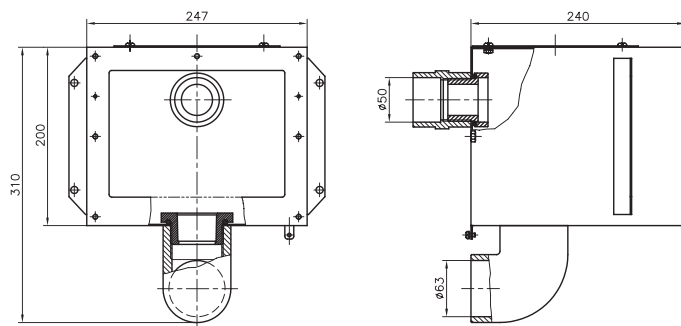
Skimmer body A-202

In S.S. AISI-316. With Ø 50 mm overflow. Skimmer housing without telescopic lid. With earth connection. Recommended flow: 7.5 m³/h.



Skimmer body
Skimmer basket for above

Discount group	Code	Unit £
J	07610	456.00
J	07521	276.00



CONCRETE POOLS - SKIMMER ACCESSORIES IN S.S.



Telescopic lid

In S.S. AISI-316. For skimmer models A-201, A-202 and A-400. Square lid 180 x 180 mm. Adjustable height from 60 to 110 mm.

Discount group	Code	Unit £
J	07524	108.00



Liner adaptor kit

Includes 2 gaskets, faceplate in S.S. AISI-316 and fixing screws.

For skimmer A-100, A-201 and A-202 (Code 00254, 07520 and 07610)

Discount group	Code	Unit £
J	07525	141.00



Level regulating valve (Auto top-up mechanism)

Valve to be fitted into all S.S. skimmer models, except in model A-202. Adjustable buoy. Connection 3/8".

Discount group	Code	Unit £
J	00256	39.00

CONCRETE POOLS - LEVEL REGULATOR



Level regulator (Auto top-up)

Made in ABS, with knockout side or bottom outlet. Adjustable height lid frame. Conn. 50 mm.

Discount group	Code	Unit £
A	15862	102.00

For 1½" connection an 0531451 fitting is required.

Main Drains must be arranged so that there is not risk of bathers being drawn towards them or trapped there. It is recommended that a minimum of 2 x Main Drains are installed 2 metres apart. All flow rates listed do not exceed 0.5 m/sec velocity.

CONCRETE POOLS - MAIN DRAINS

All main drains made in plastic are provided with UV protected grilles.

- According to UNE 13451-1 standard, in public pools:
 - Water passing speed 0.5 m/sec
 - Maximum suction velocity 1.5 m/sec
 - Minimum distance between drains: >2 m



NORM main drain

Range of main drains suitable for public and private swimming pools. Supplied with flat or antivortex grilles. Manufactured in white ABS with UV treatment, fitted with a 2" side outlet and a 1 1/2" bottom outlet connection, bottom outlet covered by semi-die cut tab. Max. flow rate: 15 m³/h.



	Discount group	Code	Unit £
Flat grille - White	A	56378	35.00
Flat grille - Beige	A	56378CL090	36.00
Flat grille - Light grey	A	56378CL129	36.00
Flat grille - Anthracite grey	A	56378CL144	36.00
Antivortex grille - White	A	56379	35.00
Antivortex grille - Beige	A	56379CL090	36.00
Antivortex grille - Light grey	A	56379CL129	36.00
Antivortex grille - Anthracite grey	A	56379CL144	36.00



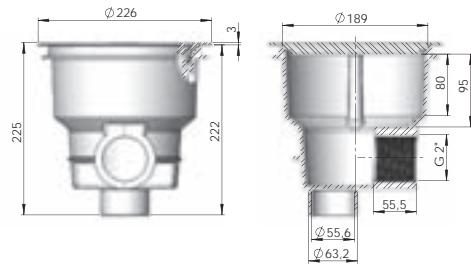
56379



Complies with Standard EN 13451-1-3



Complies with standards EN 16582-1 EN 16713-2



Round Ø 270 mm main drain with ABS grille



Bottom 1 1/2" and side 2" outlets. Fully manufactured in white ABS. Side outlet for plug to test watertightness. Bottom outlet with plug and possibility of fitting a hydrostatic valve code 00277 (see page 57) and drainage tube (code 21581, see page 57). Ø 250mm suction grille. Max. flow rate: 13 m³/h.

	Discount group	Code	Unit £
Standard thread	A	01466	48.00

Round main drains 2" outlet



Body and grille in ABS. Grille fitted using screws. Max. flow rate: 13 m³/h.



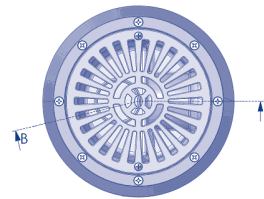
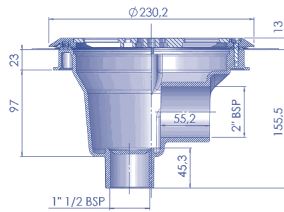
	Discount group	Code	Unit £
Standard thread - White	A	01467	19.00
Standard thread - Beige	A	01467CL090	20.00
Standard thread - Light grey	A	01467CL129	20.00
Standard thread - Anthracite grey	A	01467CL144	20.00

Main Drains must be arranged so that there is not risk of bathers being drawn towards them or trapped there. It is recommended that a minimum of 2 x Main Drains are installed 2 metres apart. All flow rates listed do not exceed 0.5 m/sec velocity.

CONCRETE POOLS - MAIN DRAINS

Circular main drain Ø 200 mm with flat grille

Made in ABS. Side connection 2" and bottom connection 1 1/2" with knockout. Maximum flow: 13 m³/h.



Discount group	Code	Unit £
A	27839	25.00



Square main drain with ABS grille 175 mm x 175 mm. Outlet of 2"

Side connection 2". Body and grille in white ABS. Fixed grille with screws. Maximum flow: 13 m³/h.

Discount group	Code	Unit £
A	00258	30.00



Circular main drain in S.S. Outlet of 2"

Side connection 2". In S.S. AISI-316. Fixed grille with screws. Maximum flow: 13 m³/h.

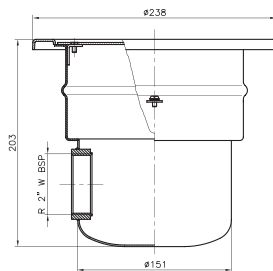
Discount group	Code	Unit £
J	00268	202.00
J	26196	388.00

Side connection 2"
Side connection 2" and bottom connection 1 1/2"

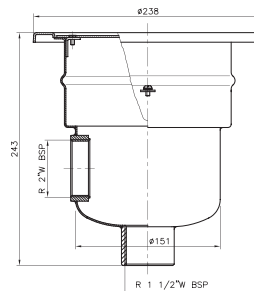
00268



26196



00268



26196

Main Drains must be arranged so that there is not risk of bathers being drawn towards them or trapped there. It is recommended that a minimum of 2 x Main Drains are installed 2 metres apart. All flow rates listed do not exceed 0.5 m/sec velocity.



CONCRETE POOLS - MAIN DRAINS

NORM main drain in polyester and fibreglass - 330 mm x 330 mm



New range of main drains compliant with the requirements of standard EN-13451-1/3 2011. Made of polyester resin and fibreglass. Grille in stainless steel AISI-316 or plastic. Optional hydrostatic valve.

			Discount group	Code	Unit £		
Grille in S.S.	Solvent socket outlet connection	Grille					
		Flow					
		Ø 75 mm	S.S.	15 m³/h	J	20282N	422.00
		Ø 90 mm	S.S.	23 m³/h	J	20283N	433.00
		Ø 110 mm	S.S.	27 m³/h	J	20284N	441.00
Plastic grille	Solvent socket outlet connection	Grille					
		Flow					
		Ø 75 mm	ABS	15 m³/h	J	22359N	271.00
		Ø 90 mm	ABS	23 m³/h	J	22360N	278.00
		Ø 110 mm	ABS	28 m³/h	J	22361N	294.00
		Ø 125 mm	ABS	37 m³/h	J	22362N	315.00

Minimum depth of installation: 1.5 m. Maximum recommended flow rate down drain: 103 m³/h (0.5 m/s).

Model in polyester and fibreglass - 330 mm x 330 mm



Gel coat finish. With optional hydrostatic valve.



			Discount group	Code	Unit £		
Grille in S.S. AISI-316. Slots < 8 mm	Solvent socket outlet connection	Grille					
		Flow					
		Ø 75 mm	AISI-316	18 m³/h	J	20282	305.00
		Ø 90 mm	AISI-316	27 m³/h	J	20283	311.00
		Ø 110 mm	AISI-316	33.5 m³/h	J	20284	318.00

Max. recommended flow according to UNE-13451-1 standard, at 0.5 m/s.



UV resistant ABS grille	Solvent socket outlet connection	Grille					
		Flow					
		Ø 75 mm	ABS	18 m³/h	J	22359	180.00
		Ø 90 mm	ABS	27 m³/h	J	22360	184.00
		Ø 110 mm	ABS	42 m³/h	J	22361	194.00
		Ø 125 mm	ABS	45 m³/h	J	22362	208.00

Max. recommended flow according to UNE-13451-1 standard, at 0.5 m/s.

Model in polyester and fibreglass - 515 mm x 515 mm



Gel coat finish. With optional hydrostatic valve.



			Discount group	Code	Unit £		
Grille in S.S. AISI-316. Slots < 8 mm	Solvent socket outlet connection	Grille					
		Flow					
		Ø 110 mm	AISI-316	42 m³/h	J	20285	424.00
		Ø 125 mm	AISI-316	51 m³/h	J	20286	430.00
		Ø 140 mm	AISI-316	66 m³/h	J	20287	440.00
		Ø 160 mm	AISI-316	95 m³/h	J	20288	453.00

Max. recommended flow according to UNE-13451-1 standard, at 0.5 m/s.

Main Drains must be arranged so that there is not risk of bathers being drawn towards them or trapped there. It is recommended that a minimum of 2 x Main Drains are installed 2 metres apart. All flow rates listed do not exceed 0.5 m/sec velocity.



CONCRETE POOLS - MAIN DRAIN ACCESSORIES



Hydrostatic valve

To alleviate pressure which underground water can cause to build up under the pool shell. It is recommended that a hydrostatic valve & drainage tube are fitted to a main drain.

The Hydrostatic valve threads into the bottom of the main drain. Made in white ABS with screw and spring in S.S. 1 1/2".

Discount group	Code	Unit £
A	00277	11.50



Drainage tube



For hydrostatic valve. 1 1/2" BSP for 01466, 27837 and 27839. In UV resistant ABS.

Drainage tube

Discount group	Code	Unit £
A	21581	10.50

CONCRETE POOLS - DRAIN GRILLES



ABS drain grille Ø 200 mm



Support ring and grille in white ABS. Complete with grille fixing screws. Max. flow recommended: 13 m³/h.

ABS drain grille

Discount group	Code	Unit £
A	00280	11.50



S.S. drain grille Ø 200 mm



Support ring in white ABS, grille in S.S. AISI-316. Complete with grille fixing screws. Maximum flow recommended: 13 m³/h.

S.S. drain grille

Discount group	Code	Unit £
A	00279	53.00

Main Drains must be arranged so that there is not risk of bathers being drawn towards them or trapped there. It is recommended that a minimum of 2 x Main Drains are installed 2 metres apart. All flow rates listed do not exceed 0.5 m/sec velocity.



Actual item is Stainless Grille and Plastic frame, not as shown

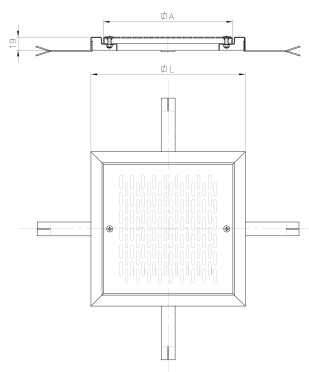
CONCRETE POOLS - DRAIN GRILLES

Drain grilles

Grille in stainless steel with frame in plastic. Grilles designed according to standard EN-13451-1:200. Excellent finish.

Drain grille 252 x 252 mm in S.S.
Max. flow rate 15 m³/h
Drain grille 410 x 410 mm in S.S.
Max. flow rate 83 m³/h

Discount group	Code	Unit £
A	34332	203.00
A	34334	407.00



Drain grilles



Stainless steel AISI-316 frame. Stainless steel AISI-316 grille. Supplied with grille fixing screws. Other dimensions can be supplied on order.

Size (mm)	Max. recommended flow
200 x 200	15 m ³ /h (0.5 m/s)
300 x 300	43 m ³ /h (0.5 m/s)
400 x 400	83 m ³ /h (0.5 m/s)
500 x 500	136 m ³ /h (0.5 m/s)

Discount group	Code	Unit £
J	30764	294.00
J	30765	320.00
J	30766	364.00
J	30767	408.00

CODE	L	A
30764	223	187
30765	323	287
30766	423	387
30767	523	487

CONCRETE POOLS - ABS PLASTIC INLETS

MULTIFLOW SYSTEM
 The eyeball has been marked with a series of “knock-outs” at 14, 20, and 25, enabling the required flow to be selected at the time of installation.
 Recommended max flow 4 m/sec., complies with UNE 13451-1:
 Ø 14 = 2.2 m³/h, Ø 20 = 4.5 m³/h, Ø 25 = 7 m³/h



Return inlet “Multiflow”

To glue into Ø 50 mm 10 bar pipe. Made in white ABS.

To glue into Ø 50 mm 10 bar pipe
 To glue into 1½” class C pipe

Discount group	Code	Unit £
A	24413	8.00
A	06806	8.00



Return inlet “Multiflow”

2” external thread, Ø 50 mm. Made in white ABS. Can be installed with wall conduits: 15658-15659. Grille slots are < 8 mm. Complies with UNE 13451-1.

Discount group	Code	Unit £
A	00295	17.00



Return inlet “Multiflow”

To glue into Ø 63 mm, 6 bar pipe and onto Ø 50 mm. Made in white ABS. Can be installed with wall conduits: 15661-15660. Grille slots are < 8 mm. Complies with UNE 13451-1.

Discount group	Code	Unit £
A	00298	16.00



NORM return inlet

New range of return inlets compliant with standards EN-13451-1 and EN-13451-3, suitable for installation in public and private pools. Made of white ABS with UV treatment.

NORM return inlet for concrete pools

Discount group	Code	Unit £
A	56498	18.00



Return inlet

In white ABS. 3 adjustable positions. (100%, 65%, & 35%). Max. flow complies with UNE 13451-1: 13.5 m³/h.

Discount group	Code	Unit £
A	15863	21.00

CONCRETE POOLS - ABS PLASTIC INLETS



Pool floor return inlet

All-in-one return inlet and suction nozzle. Adjustable flow rate. Made of ABS plastic and screws in stainless steel. Maximum recommended flow rate compliant with standard EN 13451-1: 12 m³/h.



Discount group	Code	Unit £
A	00303	12.00
A	00303CL090	12.50
A	00303CL129	12.50
A	00303CL144	12.50
A	20140	12.50

Outer 2" thread, int. Ø 50 mm - White
 Outer 2" thread, int. Ø 50 mm - Beige
 Outer 2" thread, int. Ø 50 mm - Light grey
 Outer 2" thread, int. Ø 50 mm - Anthracite grey
 To glue onto Ø 63 mm PN 6, inner Ø 50 mm



Complies with Standard 13451-1-3



Complies with standards EN 16582-1 EN 16713-2



Pool floor return inlet with swivel joint

Swivel body in PVC. Cover in ABS. Adjuster screw in POM. Maximum flow rate of 10 m³/h. Fits to Ø 75 mm piping and wall conduit with code number 21248.



Discount group	Code	Unit £
A	22353	19.00
A	22353CL090	19.50
A	22353CL129	19.50
A	22353CL144	19.50

Pool floor inlet - White
 Pool floor inlet - Beige
 Pool floor inlet - Light grey
 Pool floor inlet - Anthracite grey



Complies with Standard 13451-1-3



Complies with Standards EN 16582-1 EN 16713-2



3" adjustable pool floor return inlet

Made of white ABS plastic. Suction. Flow rate adjusted by turning the grille. Suction surface area: 0.015 m². Outer Ø 295 mm wall. Flow rate (0.4 m/s) 20 m³/h. Max. recommended flow rate compliant with standard EN 13451-1: 26 m³/h (0.5 m/s.).



Discount group	Code	Unit £
A	08317	153.00
A	11796	58.00

Grille in AISI-304 stainless steel
 Grille in white ABS



Inlet suction nozzle for large flows

Inlet nozzles for large flows and they can be also be used as suction nozzle. Inlet flow rate 30m³/h for a maximum water flow velocity of 4m/s according to EN 13451-1 standard. Suction flow rate 5m³/h for a maximum water flow velocity of 0.5m/s according to EN 13451-1 standard. PVC body, ABS grille, PA flange and AISI 304 screws, holes in grille is 8mm according to EN 13451-1 standard. Ø75 or Ø90 pipe connection. The nozzle can be installed into the wall conduit 43590.



Discount group	Code	Unit £
A	41520	37.50

Inlet/suction nozzle for large flows and concrete pools

CONCRETE POOLS - ABS PLASTIC INLETS



Reducing conduit (Net'n'Clean)



Conduit with adjustable internal diameter for solvent welding inlets 22353. Connections are \varnothing 63 mm male and \varnothing 50 mm female solvent socket. Made in white PVC.

Discount group	Code	Unit £
A	21248	40.00



Concrete vacuum point



To glue inside \varnothing 63 mm 6 bar pipe and \varnothing 50 mm solvent internal. Made in white ABS . Plug thread $1\frac{1}{2}$ ". Can be installed with wall conduits 15661 & 15660.

Discount group	Code	Unit £
A	00300	10.00



Concrete vacuum point



2" external thread, \varnothing 50 mm. solvent internal. Made in white ABS . Plug thread $1\frac{1}{2}$ ". Can be installed with wall conduits 15658 & 15659.

Discount group	Code	Unit £
A	00301	11.50



Overflow channel drainage point



Body and grille in ABS. Screws in S.S. To be glued to external \varnothing 63 mm. Due to its design this inlet is particularly suitable for overflow channels. Recommended flow 7 m³/h.

Discount group	Code	Unit £
A	00302	14.00

Overflow

Drainage point



Suction nozzle

To be glued to a \varnothing 50 PN 10 pipe. Made of white ABS with $1\frac{1}{2}$ " threaded plug. For end connector 07958 and push fit connector 01393. Recommended for installation with wall conduits (codes 15658 and 15659).

Discount group	Code	Unit £
A	24415	7.50

Optional colour



Hydromassage kit

Made up of a return inlet and wall conduit fitted with an air inlet and a venturi. Two wall conduit lengths available. \varnothing 50 mm water connection pipe and \varnothing 20 mm air suction pipe.

Discount group	Code	Unit £
A	32113	61.00
A	32370	65.00

Length of wall conduit 190 mm
Length of wall conduit 280 mm

CONCRETE POOLS - S.S. INLETS

Return inlet



External thread 1 1/2". Made in S.S. AISI-316. Recommended max. flow. Complies with UNE 13451-3: 4.5 m³/h. Ball Ø 20 mm.

Length 35 mm
Length 50 mm
Length 70 mm

Discount group	Code	Unit £
J	32994	86.00
J	16325	69.00
J	16326	74.00

Adjustable return inlet



External thread 2". Made in S.S. AISI-316. For both concrete and prefabricated pools. Water flow can be adjusted by the central screw. Recommended max. flow. Complies with UNE 13451-3: 14 m³/h.

Discount group	Code	Unit £
J	15839	172.00

Vacuum point



External thread 1 1/2". Made in S.S. AISI-316. Push fit connection 05684.

Length 50 mm
Length 50 mm with lid

Discount group	Code	Unit £
J	16328	57.00
J	21644	79.00

Adjustable concrete inlet



Chrome on brass, grille in S.S. AISI-304.

Max. flow: 12 m³/h Internal thread 2"
Max. flow: 20 m³/h Internal thread 3"

Discount group	Code	Unit £
J	00312	41.00
J	00313	97.00

Vacuum point



Chrome on brass with S.S. AISI-304 cover. Push fit. Internal thread (Requires 01392 hose connector).

2" push fit
1 1/2" push fit

Discount group	Code	Unit £
J	00315	46.00
J	00314	31.50

Vacuum point



Chrome on brass. Internal thread 2". (01395 coupling bushing is required for hose).

2" internal thread
1 1/2" internal thread

Discount group	Code	Unit £
J	00317	49.50
J	00316	55.00

CONCRETE POOLS - WALL CONDUITS

New range of 300 mm conduits for \varnothing 2" inlets and "Multiflow", that can be easily cut to other lengths depending on pool shell thickness. Made in ABS. They all have 2 holes for positioning within the pool shell.

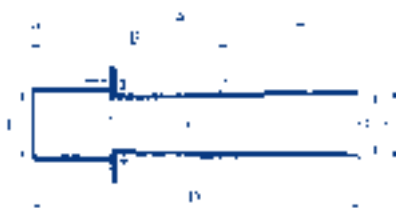


Rear external 2" male thread and \varnothing 50 mm solvent internal

	Discount group	Code	Unit £
2" front internal thread for 2" male thread inlet	A	15658	12.50
\varnothing 59.3 mm solvent internal for inlets suitable for gluing into \varnothing 63 mm 6 bar pipe & mini dichro light 33684	A	15661	12.50

Rear external \varnothing 63 mm male solvent and \varnothing 50 mm solvent internal

	Discount group	Code	Unit £
2" front internal thread for 2" male thread inlet	A	15659	12.50
\varnothing 59.3 mm. solvent internal for inlets suitable for gluing into \varnothing 63 mm 6 bar pipe & mini dichro light 33684	A	15660	12.50



Dimensions	Models			
	15658	15661	15659	15660
A	250	250	250	250
B	175	175	175	175
C	2"	D.59.3	2"	D.59.3
D	300	300	300	300
E	D.50	D.50	D.50	D.50
F	2"	2"	D.63	D.63



PVC wall conduit - Length 300 mm

PVC wall conduit. Length 300 mm. Rear external 2" male thread. PVC grey colour.

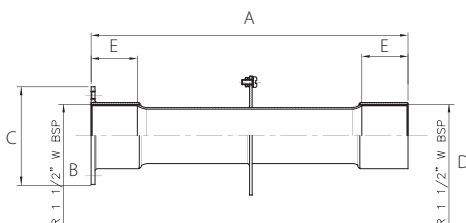
	Discount group	Code	Unit £
\varnothing 50 mm, solvent internal, 2" front internal thread	A	00323	20.00
\varnothing 59.3 mm, solvent internal for inlets suitable for gluing into 63 mm 6 bar pipe & mini dichro light 33684	A	00324	17.00
2" outer thread + \varnothing 50 mm inner wall, 1 1/2" inner thread	A	00325	22.00

Stainless steel wall conduits

Made in S.S. AISI-304. Both ends with internal thread of 1 1/2". Earth connection.



	Discount group	Code	Unit £
Length 240 mm	J	00327	58.00
Length 340 mm	J	00328	64.00



Dimensions	Models	
	00327	00328
A	240	340
B	1 1/2"	1 1/2"
C	74	74
D	1 1/2"	1 1/2"
E	35	35

LINER AND PREFABRICATED POOLS - SKIMMERS 17.5 L

Supplied with adhesive gaskets, flanges, and screw kit. All skimmer parts exposed are UV resistant. **Recommended flow 7.5 m³/h.** In white ABS with silent weir flap and flow regulation plug. 1½" female - 2" male suction connections. Ø 50 mm solvent connection also provided. Overflow connection Ø 40 mm. Basket secured to base with bayonet fixing. We recommend installing one skimmer for every 25 m² of surface area.



NORM skimmer

17.5L skimmer range suitable for installation in public and private pools. Manufactured in white ABS with UV treatment, it comes with a weir flap, flow regulator, lid height regulation and basket. The water inlet is 495 x 80 mm. Recommended flow rate of 7.5 m³/h. Install one skimmer every 25 m² of water line surface area. Connections under 1½" and 2", water overflow connection of Ø 40 mm.



56176



56176CL090



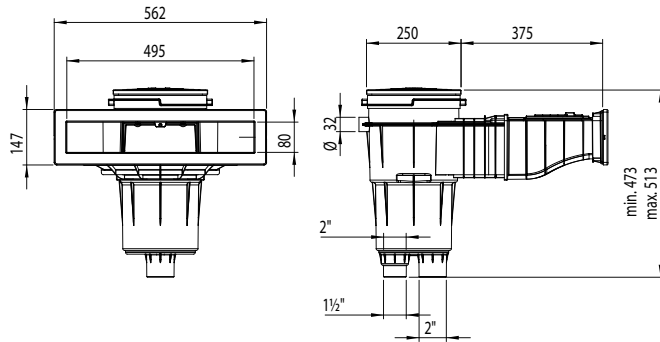
56176CL129



56176CL144

- For prefabricated pools with inserts - White
- For prefabricated pools with inserts - Beige
- For prefabricated pools with inserts - Light grey
- For prefabricated pools with inserts - Anthracite grey

Discount group	Code	Unit £
A	56176	184.00
A	56176CL090	191.00
A	56176CL129	191.00
A	56176CL144	191.00



Complies with standards EN-13451-1-3



Skimmer with standard mouth opening

Supplied with adhesive gaskets, flange and screws.



- With standard round cover
- With square cover - White
- With square cover - Beige
- With square cover - Light grey
- With square cover - Anthracite grey

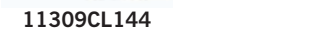
Discount group	Code	Unit £
A	05284	143.00
A	11309	145.00
A	11309CL090	151.00
A	11309CL129	151.00
A	11309CL144	151.00



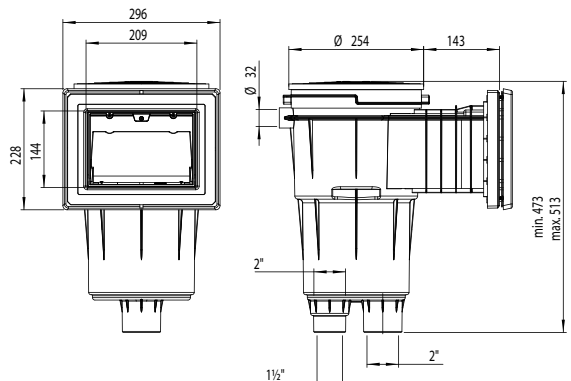
11309CL090



11309CL129



11309CL144



Complies with standards EN 16582-1

LINER AND PREFABRICATED POOLS - SKIMMERS 17.5 L

New

Skimmer with standard opening and extended throat

Supplied with adhesive gaskets, flange and screws.

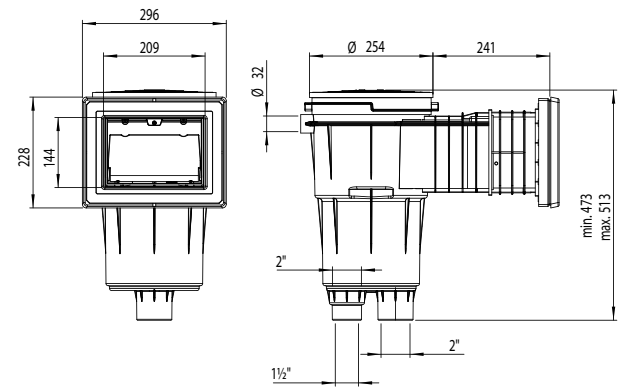


- With round cover
- With square cover - White
- With square cover - Beige
- With square cover - Light grey
- With square cover - Anthracite grey

Discount group	Code	Unit £
A	05285	155.00
A	11310	154.00
A	11310CL090	160.00
A	11310CL129	160.00
A	11310CL144	160.00



Complies with standards EN 16582-1



Skimmer with wide mouth opening

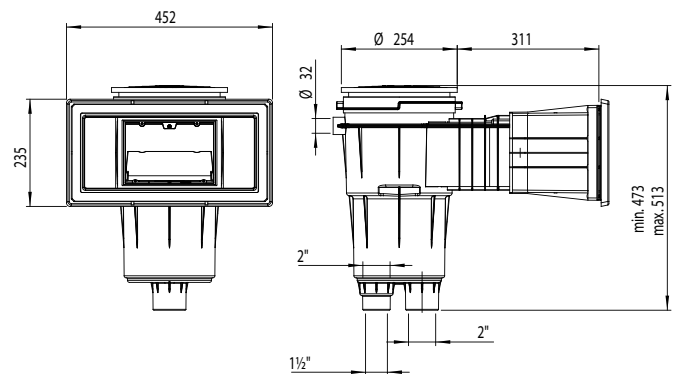
Supplied with adhesive gaskets, flange and screws.



- With standard round cover
- With square cover - White
- With square cover - Beige
- With square cover - Light grey
- With square cover - Anthracite grey

Discount group	Code	Unit £
A	05286	153.00
A	11311	152.00
A	11311CL090	158.00
A	11311CL129	158.00
A	11311CL144	158.00

Complies with standards EN 16582-1



LINER AND PREFABRICATED POOLS - SKIMMERS 17.5 L



Skimmer with wide opening and extended throat

Supplied with adhesive gaskets, flange and screws.

Square cover

Discount group	Code	Unit £
A	11313	171.00



Complies with standards
EN 16582-1



The 17.5 litre skimmer can be made to order with much larger throat extensions than the standard size. This can be particularly useful if wider coping stones than usual are installed.

Covers for 17.5 l skimmers

New



05280-0600



05280-0600CL090



05280-0600CL129



05280-0600CL144



05280-0700



05280-0700CL090



05280-0700CL129



05280-0700CL144

- Round cover, round face plate - White
- Round cover, round face plate - Beige
- Round cover, round face plate - Light grey
- Round cover, round face plate - Anthracite grey
- Round cover, square face plate - White
- Round cover, square face plate - Beige
- Round cover, square face plate - Light grey
- Round cover, square face plate - Anthracite grey

Discount group	Code	Unit £
A	05280-0600	21.00
A	05280-0600CL090	25.00
A	05280-0600CL129	25.00
A	05280-0600CL144	25.00
A	05280-0700	25.00
A	05280-0700CL090	30.00
A	05280-0700CL129	30.00
A	05280-0700CL144	30.00

Main Drains must be arranged so that there is not risk of bathers being drawn towards them or trapped there. It is recommended that a minimum of 2 x Main Drains are installed 2 metres apart. All flow rates listed do not exceed 0.5 m/sec velocity.

LINER AND PREFABRICATED POOLS - MAIN DRAINS

All main drains made in plastic are provided with UV protected grilles.

- According to UNE 13451-1 standard, in public pools:
 - Water passing speed 0.5 m/sec
 - Maximum suction velocity 1.5 m/sec
 - Minimum distance between drains: >2 m



NORM main drain

New range of main drains suitable for installation in public and private pools. Supplied with flat or antivortex grilles. Manufactured in white ABS with UV treatment, fitted with a 2" side outlet and a 1 1/2" bottom outlet connection, bottom outlet covered by semi-die cut tab.



56380



56382



56382CL090



56382CL129



56382CL144

	Discount group	Code	Unit £
Flat grille with inserts - White	A	56380	66.00
Flat grille with inserts - Beige	A	56380CL090	71.00
Flat grille with inserts - Light grey	A	56380CL129	71.00
Flat grille with inserts - Anthracite grey	A	56380CL144	71.00
Antivortex grille with inserts - White	A	56382	66.00
Antivortex grille with inserts - Beige	A	56382CL090	71.00
Antivortex grille with inserts - Light grey	A	56382CL129	71.00
Antivortex grille with inserts - Anthracite grey	A	56382CL144	71.00



Complies with Standard EN 13451-1-3



Complies with standards EN 16582-1 EN 16713-2

Mini main drain

Side outlet drain assembly with 2" inner thread. Made of white ABS with grille fixed to flange. Suction velocity at grille of 0.5 m/s and flow rate of 11 m³/h. The slots in the grille are no larger than 8 mm, in compliance with regulations. M5 screws and brass inserts for fastening the flange and grille. Can be used in concrete spas and side suction inlets.



	Discount group	Code	Unit £
Mini main drain	A	27814	38.00

Ø 290 mm main drain for liner pools. PARKER model

2" side outlet and 1 1/2" bottom outlet. Specially for liner pools. Built completely in white ABS. Comes with screws in stainless steel and synthetic adhesive gaskets. Side outlet for plug for testing water tightness. Bottom outlet for plug for fitting a hydrostatic valve code 00277 (see page 57) and drainage tube code 21581 (see page 57). Suction speed of 0.5 m/s. Maximum recommended flow rate: 13 m³/h. Fitted flush to pool floor for total drainage.



	Discount group	Code	Unit £
	A	00270	62.00

Main Drains must be arranged so that there is not risk of bathers being drawn towards them or trapped there. It is recommended that a minimum of 2 x Main Drains are installed 2 metres apart. All flow rates listed do not exceed 0.5 m/sec velocity.

LINER AND PREFABRICATED POOLS - MAIN DRAINS

Round Ø 200 mm main drain with antivortex grille

Made of white ABS. 2" side outlet and 1½" bottom outlet. Bottom outlet covered by a semi-die cut tab, which may be removed if necessary. A drainage pipe (code drainage code 21581 (see page 57)). Max. flow rate: 13 m³/h.



Discount group	Code	Unit £
A	27125	48.00

Round Ø 200 mm main drain with flat grille

Made of white ABS. 2" side outlet and 1½" bottom outlet. Bottom outlet covered by a semi-die cut tab, which may be removed if necessary. A drainage pipe (code drainage code 21581 (see page 57)). Max. flow rate: 13 m³/h.



Discount group	Code	Unit £
A	27838	43.00

Ø 210 mm main drain with ABS grille

2" side outlet. Body and grille in ABS. Comes with self-adhesive gaskets, flange and screws. Maximum recommended flow rate: 13 m³/h.



- Ø 210 mm main drain with ABS grille - White
- Ø 210 mm main drain with ABS grille - Beige
- Ø 210 mm main drain with ABS grille - Light grey
- Ø 210 mm main drain with ABS grille - Anthracite grey

Discount group	Code	Unit £
A	00271	48.00
A	00271CL090	50.00
A	00271CL129	50.00
A	00271CL144	50.00

Square 210 mm x 210 mm main drain with ABS grille.

With 2" side outlet. Body and grille in ABS. Comes with self-adhesive gaskets, flange and screws. Maximum recommended flow rate: 13 m³/h.



Discount group	Code	Unit £
A	00273	59.00

S.S. circular main drain. Outlet of 2"

In S.S. AISI 316, with fixed grille and screws. Includes gaskets, flange, and fixing screws. Maximum flow: 13 m³/h.



- Side connection 2"
- Side connection 2", bottom connection 1½"

Discount group	Code	Unit £
J	00275	237.00
J	26197	442.00

LINER AND PREFABRICATED POOLS - MAIN DRAINS

NORM main drain in polyester and fibreglass - 330 mm x 330 mm



New range of main drains compliant with the requirements of standard EN-13451-1/3 2012. Made of polyester resin and fibreglass. Grille in stainless steel AISI-316 or plastic. Optional hydrostatic valve.



Grille in stainless steel

Solvent socket outlet connection	Grille	Flow rate	Discount group	Code	Unit £
Ø 75 mm	S.S.	15 m ³ /h	J	20074N	714.00
Ø 90 mm	S.S.	23 m ³ /h	J	20075N	724.00
Ø 110 mm	S.S.	27 m ³ /h	J	20290N	771.00

Plastic grille

Solvent socket outlet connection	Grille	Flow rate	Discount group	Code	Unit £
Ø 75 mm	Plastic	15 m ³ /h	J	22416N	473.00
Ø 90 mm	Plastic	23 m ³ /h	J	22417N	478.00
Ø 110 mm	Plastic	28 m ³ /h	J	22418N	495.00
Ø 125 mm	Plastic	37 m ³ /h	J	22419N	514.00

Minimum depth of installation: 1.5 m.

Maximum recommended flow rate down drain: 103 m³/h (0.5 m/s).

NORM main drain in polyester and fibreglass - 515 mm x 515 mm



New range of main drains compliant with the requirements of standard EN-13451-1/3 2012. Made of polyester resin and fibreglass. Grille in stainless steel AISI-316 or plastic. Optional hydrostatic valve.



Grille in stainless steel

Solvent socket outlet connection	Grille	Flow rate	Discount group	Code	Unit £
Ø 110 mm	S.S.	42 m ³ /h	J	20076N	1,017.00
Ø 125 mm	S.S.	51 m ³ /h	J	20077N	1,034.00
Ø 140 mm	S.S.	66 m ³ /h	J	20078N	1,052.00
Ø 160 mm	S.S.	95 m ³ /h	J	20079N	1,090.00
Ø 200 mm	S.S.	103 m ³ /h	J	20291N	1,101.00

Plastic grille

Solvent socket outlet connection	Grille	Flow rate	Discount group	Code	Unit £
Ø 110 mm	Plastic	42 m ³ /h	J	28722N	953.00
Ø 125 mm	Plastic	51 m ³ /h	J	28723N	957.00
Ø 140 mm	Plastic	66 m ³ /h	J	28724N	969.00
Ø 160 mm	Plastic	95 m ³ /h	J	28725N	985.00
Ø 200 mm	Plastic	103 m ³ /h	J	28726N	1,033.00

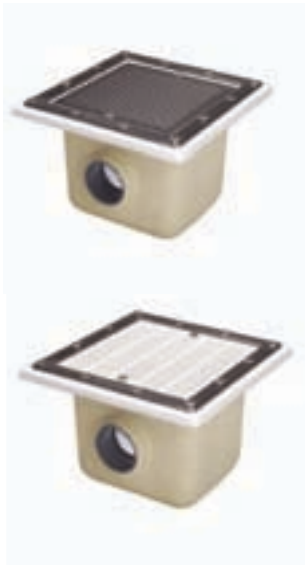
Minimum depth of installation: 1.5 m.

Maximum recommended flow rate down drain: 103 m³/h (0.5 m/s).

LINER AND PREFABRICATED POOLS - MAIN DRAINS



In polyester and fibreglass 355 x 355 mm



Gel coat finish. With gaskets, flange, and screws. Slots < 8 mm. Grille 252 x 252 mm. With optional hydrostatic valve.

S.S. AISI-316 grille

Solvent socket outlet connection	Grille
Ø 75 mm	AISI-316
Ø 90 mm	AISI-316
Ø 110 mm	AISI-316

Discount group	Code	Unit £
J	20074	515.00
J	20075	523.00
J	20290	551.00

ABS grille with UV protection. 257 x 257 mm.

Solvent socket outlet connection	Grille
Ø 75 mm	plastic
Ø 90 mm	plastic
Ø 110 mm	plastic

J	22416	342.00
J	22417	345.00
J	22418	357.00



In polyester and fibreglass 515 x 515 mm



Gel coat finish. S.S. AISI-316 grille. With gaskets, flange, and screws. Slots < 8 mm. Recommended flow 62 m³/h (0.3 m/s). Max. recommended flow 103 m³/h (0.5 m/s.). With optional hydrostatic valve.

S.S. Grille
412 x 412 mm

Solvent socket outlet connection	Grille	Flow
Ø 110 mm	AISI-316	42 m³/h
Ø 125 mm	AISI-316	51 m³/h
Ø 140 mm	AISI-316	66 m³/h
Ø 160 mm	AISI-316	95 m³/h

Discount group	Code	Unit £
J	20076	730.00
J	20077	734.00
J	20078	746.00
J	20079	759.00

LINER AND PREFABRICATED POOLS - ABS INLETS

MULTIFLOW SYSTEM
 The eyeball has been marked with a series of "knock-outs" at 14, 20, and 25, enabling the required flow to be selected at the time of installation.
 Recommended max flow 4 m/sec, complies with UNE 13451-1:
 Ø 14 = 2.2 m³/h, Ø 20 = 4.5 m³/h, Ø 25 = 7 m³/h



Multiflow threaded return inlet for liner pools New

Outer 2" thread, Ø 50mm inner. For liner pools. Comes in white ABS, with gaskets and screws. Installation with bushing 15662 or 15663 is recommended (see page 76).



	Discount group	Code	Unit £
Multiflow return inlet - White	A	00330	25.00
Multiflow return inlet - Beige	A	00330CL090	26.00
Multiflow return inlet - Light grey	A	00330CL129	26.00
Multiflow return inlet - Anthracite grey	A	00330CL144	26.00

Liner return inlet

For liner pools, white ABS plastic with gaskets and screws. External thread of 2", Ø 50 mm solvent internal. Installation with wall conduits 15662 or 15663 is recommended.



	Discount group	Code	Unit £
With self tapping screws	A	06498	17.00

Return inlet for fibreglass pools

2" external thread. Ø 50 mm solvent internal. In white ABS, with gaskets and screws. Slots < 8 mm, complies with UNE 13451-1 standard.



	Discount group	Code	Unit £
Return inlet for fibreglass pools	A	00334	20.00

Return inlet for fibreglass pools

2" external thread. 1½" internal thread. In white ABS with gaskets. Slots < 8 mm, complies with UNE 13451-1 standard.



	Discount group	Code	Unit £
Return inlet for fibreglass pools	A	06481	14.00



LINER AND PREFABRICATED POOLS - ABS INLETS

Multiflow return inlet for panel pools

Inlets specially designed for installation in panel pools between 10 and 15 cm thick. To be glued to a Ø 50 mm pipe. Made of white ABS. Comes with gaskets.



Discount group	Code	Unit £
A	33091	30.00

NORM return inlets



Range of inlets suitable for installation in public and private pools. Manufactured in white ABS with UV treatment.



56499



56499CL090



56499CL129



56499CL144

- For prefabricated/liner pools - White
- For prefabricated/liner pools - Beige
- For prefabricated/liner pools - Light grey
- For prefabricated/liner pools - Anthracite grey
- For prefabricated pools - White
- For prefabricated pools - Beige
- For prefabricated pools - Light grey
- For prefabricated pools - Anthracite grey

Discount group	Code	Unit £
A	56499	25.00
A	56499CL090	27.00
A	56499CL129	27.00
A	56499CL144	27.00
A	56500	15.00
A	56500CL090	16.00
A	56500CL129	16.00
A	56500CL144	16.00



Complies with Standard EN 13451-1-3



Adjustable liner return inlet

With gaskets, flanges, and screws. 3 adjustable positions. (100%, 65%, & 35%). Max. flow complies with UNE 13451-1: 13.5 m³/h. Internal connection Ø 63 mm.



Discount group	Code	Unit £
A	15864	35.00



Complies with Standard 13451-1-3



Complies with standards EN 16582-1 EN 16713-2



00340



00340CL090



00340CL129



00340CL144

Pool floor return inlet for prefabricated pools



Return nozzle. Comes with gaskets, flanges and screws. Adjustable flow rate. Max. flow rate: 12 m³/h.

- 2" outer thread and internal Ø 50 mm - White
- 2" outer thread and internal Ø 50 mm - Beige
- 2" outer thread and internal Ø 50 mm - Light grey
- 2" outer thread and internal Ø 50 mm - Anthracite grey
- Solvent external 63 mm PN6, 50 mm solvent internal

Discount group	Code	Unit £
A	00340	27.00
A	00340CL090	28.00
A	00340CL129	28.00
A	00340CL144	28.00
A	20139	37.00



Complies with Standard 13451-1-3



Complies with standards EN 16582-1 EN 16713-2

LINER AND PREFABRICATED POOLS - ABS INLETS



BCN03 pool floor return inlet

Adjustable pool floor return inlet for liner pools. Designed to be glued to the inside of PN6 and PN10 piping. Made of white ABS, with self-tapping screws or with metal inserts. Plastic or stainless steel flange, depending on the model. Maximum flow rate: 9.5 m³/h.

PN6 self-tapping plastic flange
With PN6 plastic flange inserts
PN10 self-tapping stainless steel flange
With PN10 stainless steel inserts

Discount group	Code	Unit £
A	28230	33.00
A	28231	41.00
A	28501	59.00
A	28502	72.00



Complies with Standard
13451-1-3



Complies with standards
EN 16582-1
EN 16713-2



BCN03 adjustable pool floor return inlet

Pool floor return inlet for liner pools. Thanks to the adjustable feature, its installation in the pool floor is made extremely easy as it can be fitted after the concrete has been laid with wall conduit 43590.

With plastic flange inserts
Plastic self-tapping flange
With stainless steel flange inserts
Self-tapping stainless steel flange

Discount group	Code	Unit £
A	43586	44.00
A	43587	36.00
A	43588	85.00
A	43589	77.00



Complies with Standard
13451-1-3



Complies with standards
EN 16582-1
EN 16713-2



Ø 90 mm wall conduit

PVC wall conduit. Cutting area of 120 mm for fitting it to the pool wall or floor. Ø 63 or Ø 75 connection, as required.

Ø 90/Ø 63-Ø 75 mm wall conduit

Discount group	Code	Unit £
A	43590	31.00

For inlets:

Net'N'Clean: 43584 - 43585

BCN 03: 43586 - 43587 - 43588 - 43589

Return inlet/suction nozzle for high flow rates: 41518 - 41519 - 41520 - 41521



Adjustable liner inlet

For suction. Made in white ABS, with gaskets, flanges, and screws. Adjustable flow. Max. flow. 12 m³/h. Adjustable flow by way of grille rotation. Flow surface area: 0.015 m². Flow a 0.4 m/s: 20 m³/h. Maximum recommended flow: 26 m³/h. (0.5 m/s).

Grille in S.S. AISI-304
Grille in white ABS

Discount group	Code	Unit £
A	08316	212.00
A	11795	112.00

LINER AND PREFABRICATED POOLS - ABS INLETS



Suction nozzle for liner pools

Outer 2" thread, internal Ø 50 mm. Made of white ABS. Comes with plug, gaskets and screws. Recommended for installation with wall conduit 15663.



	Discount group	Code	Unit £
Standard return inlet - White	A	00332	23.00
Standard return inlet - Beige	A	00332CL090	23.00
Standard return inlet - Light grey	A	00332CL129	23.00
Standard return inlet - Anthracite grey	A	00332CL144	23.00

Suction nozzle for panel pools

For installation in panel pools between 10 and 15 cm thick. Comes with gaskets. Connections: To be glued to Ø 50 mm piping and 1½" BSP thread.



	Discount group	Code	Unit £
	A	33092	27.00

Suction nozzle for prefabricated pools

Outer 2" thread, Ø 50 mm inner wall. For prefabricated pools. Made of white ABS. Comes with 1½" threaded plug.



	Discount group	Code	Unit £
	A	00336	15.00

Double gasket kit

Kit made up of a double gasket and the screws necessary for the installation of nozzles in panel pools. Made of TPE, the kit enables the installation of various accessories in pool shells and protects the panelling from coming into contact with water. Easy to install. Prevents corrosion of the panelling in the area that has been die cut.



	Discount group	Code	Unit £
Inserts for nozzles	A	43455-0500	7.00

Inlet/suction nozzle for large flows

Inlet nozzles for large flows and they can be also be used as suction nozzle. Inlet flow rate 30m³/h for a maximum water flow velocity of 4m/s according to EN 13451-1 standard. Suction flow rate 5m³/h for a maximum water flow velocity of 0.5m/s according to EN 13451-1 standard. PVC body, ABS grille, PA flange and AISI 304 screws, holes in grille is than 8mm according to EN 13451-1 standard. Ø75 or Ø90 pipe connection. The nozzle can be installed into the wall conduit 43590.



	Discount group	Code	Unit £
Inlet for panel pools	A	41518	69.00
Inlet for liner / prefabricated pools	A	41521	71.00

LINER AND PREFABRICATED POOLS - ABS INLETS



Suction nozzle for overflow pools with liner

PVC body, PA flange and Stainless Steel screws. Suction flow rate 7m³/h for a maximum water flow velocity of 0.5m/s according to EN 13451-1 standard. Ø75 or Ø90 pipe connection. Double gasket.

	Discount group	Code	Unit £
Suction nozzle for overflow pools with liner	A	41519	50.00



Hydromassage kit

Made up of a return inlet and wall conduit fitted with an air inlet and a venturi. Two wall conduit lengths available. Ø 50 mm water connection pipe and Ø 20 mm air suction pipe.

	Discount group	Code	Unit £
Hydromassage kit for prefabricated polyester pools:			
Length of wall conduit 190 mm	A	32114	56.00
Length of wall conduit 275 mm	A	32384	60.00
Hydromassage kit for prefabricated pools with liner:			
Length of wall conduit 190 mm	A	32115	62.00
Length of wall conduit 275 mm	A	32385	67.00

LINER AND PREFABRICATED POOLS - STAINLESS STEEL INLETS



Liner return inlet

External thread 1½". Made in S.S. AISI-316. Ø 20 mm eyeball. Complete with gaskets & screws. Recommended flow: 4.5 m³/h.

	Discount group	Code	Unit £
Liner return inlet	J	16327	87.00



Adjustable return inlet

2" external thread. Made in S.S. AISI-316. Suitable for installation in both concrete and prefabricated pools. Water flow may be adjusted by the central screw. Max. recommended flow: 14 m³/h.

	Discount group	Code	Unit £
Adjustable return inlet	J	15839	172.00

LINER AND PREFABRICATED POOLS - WALL CONDUITS

New range of 300 mm conduits for Ø 2" inlets and "Multiflow", that can be easily cut to other lengths depending on pool shell thickness. Made in ABS. They all have 2 holes for positioning within the pool shell. The front face of the conduit is recessed, which means the inlet body is installed flush with the wall, leaving the liner flat and only the inlet face plate visible.



Rear external 2" male thread

2" front internal thread
for 2" male thread inlet
2" internal thread
exclusively for inlet model 06498

Discount group	Code	Unit £
A	15663	11.00
A	15664	11.00

Rear external Ø 63 mm

2" front internal thread
for 2" male thread inlet
2" internal thread
exclusively for inlet model 06498

Discount group	Code	Unit £
A	15662	11.00
A	15665	11.00



Dimensions	Models			
	15663	15664	15662	15665
A	250	250	250	250
B	175	175	175	175
C	D.118.5	D.84	D.118.5	D.84
D	2"	2"	2"	2"
E	10	24	10	24
F	300	300	300	300
G	D.50"	D.50	D.50	D.50
H	2"	2"	D63	D63



PVC wall conduit - Length 300 mm

PVC wall conduit. Length 300 mm. Rear external 2" male thread. PVC grey colour.

2" front internal thread

Ø 59.3 mm, solvent internal for inlets,
suitable for gluing into 63 mm 6 bar pipe
& mini dichro light 33684

Discount group	Code	Unit £
A	00323	20.00
A	00324	17.00



Stainless Steel wall conduit

Made in S.S. AISI-304. Both ends with internal thread of 1 1/2". Earth connection. For inlet 16331 & 16327, with the use of panel adapter 26171.

Length 240 mm
Length 340 mm

Discount group	Code	Unit £
J	00344	88.00
J	00345	95.00



FILTRATION

- 78 • NanoFiber filter
- 79 • Hydros핀 pre-filter
- 80 • Filter housing
- 81 • Blow-moulded sand filters
- 84 • Laminated filters
- 91 • High-performance laminated sand filters
- 95 • Bobbin wound filters
- 102 • Horizontal bobbin wound filters
- 103 • Automatic multiport valves
- 104 • Manual multiport valves
- 106 • Valve batteries
- 107 • Supports for valve battery
- 107 • Air vents
- 108 • Filtration media
- 108 • Pressure gauge panels
- 109 • Air blowers
- 109 • Filter accessories for $\frac{3}{4}$ " arms
- 110 • Filter accessories for 1" arms
- 110 • Filter accessories for 1 $\frac{1}{2}$ " arms

NANOFIBER FILTER

NanoFiber filter

Self-cleaning filter cartridge including a specific cartridge constructed with paper nanofibers with a degree of filtration of 5-8 microns. The range of nanofibers filters are made up of three models with different flow capacities according to the three cartridges. 10, 14 and 18 m³/h.

- Easy to use.
- Minimum weight.
- Reduced size: 400 x 650 mm.
- Lower water consumption.
- Higher water filtration quality.
- Down to 5-8 μ.
- Self cleaning filter.
- Dirt slow to build up without limescale.
- Compatible with current or existing filtration and pump systems.
- Takes standard 2" multiport code 07444.

New electronic version of the NanoFiber Filter. This filter can be connected with Manual valve 07444, Automatic valve 57187 and with the AstralPool MAC[®]. The range continues with the characteristics of NanoFiber filters with Three models of different cartridges, which are 10, 14 and 18 m³ / h.



Handles
Easier to open and transport

Flow rate range
10 - 18 m³/h

Maximum temperature
40° C

Connections
2"



Pressure Gauge
Max. pressure 2.5 bars

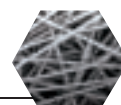
Tinted plastic
Easy to check water

Filtration quality
Down to 5-8 microns

Functions
Filtration & backwashing



NanoFiber cartridge
Filtration level up to 5-8 μ



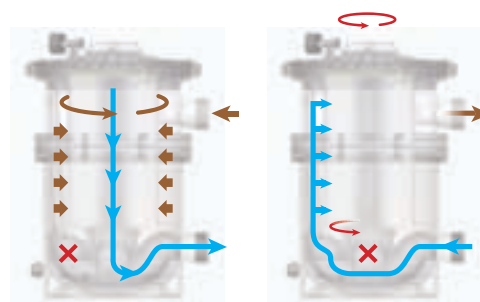
Standard filter
WITHOUT nanofibres
Filtration level 20 μ

The secret: The NanoFiber's filter material does not become impregnated with dirt, which improves the quality of water: after backwashing the flow rate returns to practically the same level each time.



Self-cleaning filter: The shower is activated in the backwash position. In order to backwash the filter medium correctly, turn the upper lever.

The filter's upper lever is activated manually but can easily be automated. When the lever is turned, the cartridge also turns, which ensures it is thoroughly cleaned.



Water flow during filtration

Water flow during backwashing

Model	Filtration surface area (m ²)	Flow rate (m ³ /h)	Max. pool size (m ³)
NanoFiber 150	4.5	10	70
NanoFiber 180	5.2	14	80
NanoFiber 200	6.0	18	90

Discount group	Code	Unit £
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Excludes multiport

NanoFiber filter 150 (10 m ³ /h)	J	64837	653.00
NanoFiber filter 180 (14 m ³ /h)	J	64838	703.00
NanoFiber filter 200 (18 m ³ /h)	J	64839	752.00

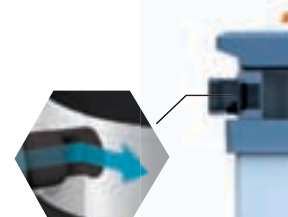
Excludes multiport

NanoFiber Auto filter 150 (10 m ³ /h)	J	67355-0100	1,078.00
NanoFiber Auto filter 180 (14 m ³ /h)	J	67356-0100	1,127.00
NanoFiber Auto filter 200 (18 m ³ /h)	J	67357-0100	1,176.00
Automatic Adaption kit	J	67509	558.00

Spare cartridges

NanoFiber filter 150	J	65383	294.00
NanoFiber filter 180	J	65384	343.00
NanoFiber filter 200	J	65385	392.00

More efficient filtration:
Water flow redirection system. The water flow is directed tangentially. This innovation favors the uniform distribution of the dirt, increasing the useful life of the filter.



HYDROSPIN PRE-FILTER



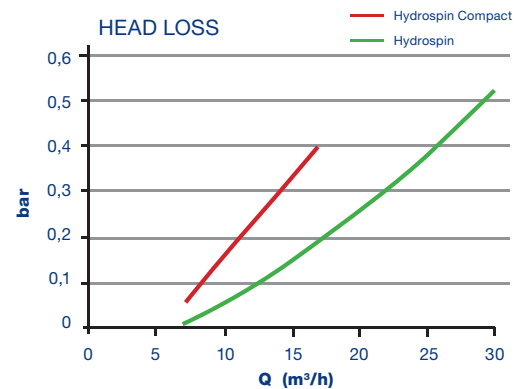
Hydrospin & Hydrospin Compact

Hydrocyclone pre-filters can be fitted to filtration systems in both new and old installations. Hydrospin is able to treat flows up to 30 m³/h with a maximum working pressure of 2.5 bars. It is fitted between the pump and the filter and separates out solids of up to 40 micra, thus reducing by half the amount of water consumed for cleaning the filtration system. HydroSpin has a device for collecting solids with three separate areas (settling, clarifying and clouding). It can be cleaned using just five litres of water without having to stop the pump.



	Discount group	Code	Unit £
Hydrospin	D	45289	540.00
Hydrospin Compact	D	53743	322.00
Kit for wall installation, for 45289	D	47158	50.00

	45289	53743
Working pressure (bar)	2,5	2,5
Connections	Ø 63	Ø 50 thread 2¼"
Purge connection	1"	¾"
Min. flow rate (m ³ /h)	5	3
Max. flow rate (m ³ /h)	30	16.5
Water for cleaning (l)	5	15
Separate solids (micron)	40	60
Floor support	Included	
Wall support	Accessory 47158	Included



CARTRIDGE FILTERS

Cylindrical cartridge filter

Made of unalterable plastics, transparent polycarbonate lid. One polyester fabric filtration cartridge. Connections 1½". Filtration surface 2.3 m². Flow rate 5 m³/h.

Cylindrical cartridge filter
Spare cartridge 300 x 145

Discount group	Code	Unit £
J	00648	175.00
J	00652	66.00

Cylindrical double cartridge filter

Made of unalterable plastics, transparent polycarbonate lid. One polyester fabric filtration cartridge. Connections 1½". Filtration surface 4.6 m². Flow rate 10 m³/h.

Cylindrical double cartridge filter
Spare cartridge 607 x 145

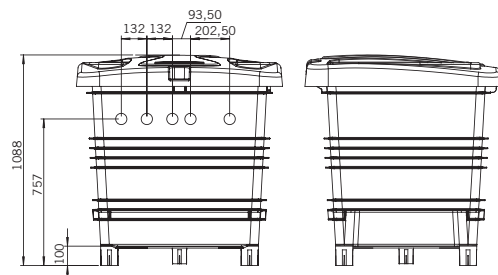
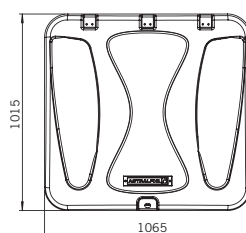
Discount group	Code	Unit £
J	00649	294.00
J	04720	140.00

FILTER HOUSING

Ramses compact housing

The new Ramses in-ground housing unit to work with any pool up to 10 m x 5 m just by changing the hours of filtration. It is one of the smallest in-ground housing units on the market and so reduces costs in terms of both excavation and transportation. Made of injected-polymer reinforced with fibreglass. It houses a Ø 550 mm Aster filter with FLAT Top manual multiport valve and a Sena 1 HP circulation pump.

Discount group	Code	Unit £
J	41910	2,128.00





Complies with Standard
EN 16713-01

BLOW-MOULDED SAND FILTERS

Blow-moulded in a single seamless piece of plastic. Fitted with a pressure gauge and integrated air purge and manual water drain. Selector valve included. Maximum working pressure: 2.5 kg/cm² for filter Ø 380 mm, Ø 430 mm and Ø 480 mm, and 2 kg/cm² for filter Ø 560 mm and Ø 660 mm Sand- and glass-compatible (see page 108). Complies with filtration requirements as per standard EN 16713-1.



Optional:
Standard American sizes

Millennium filters with Top mounted valve



	Discount group	Code	Unit £
Ø 380 mm - 5500 l/h outlet 1½"	B	27811	372.00
Ø 430 mm - 7000 l/h outlet 1½"	B	22407	359.00
Ø 480 mm - 9000 l/h outlet 1½"	B	22408	378.00
Ø 560 mm - 12000 l/h outlet 1½"	B	22409	460.00
Ø 660 mm - 17000 l/h outlet 1½"	B	28253	548.00

Millennium filters with side mounted valve



	Discount group	Code	Unit £
Ø 380 mm - 5500 l/h outlet 1½"	B	27809	426.00
Ø 430 mm - 7000 l/h outlet 1½"	B	25296	497.00
Ø 480 mm - 9000 l/h outlet 1½"	B	25297	523.00
Ø 560 mm - 12000 l/h outlet 1½"	B	25298	590.00
Ø 660 mm - 17000 l/h outlet 1½"	B	28252	681.00

Millennium model monobloc with top mount MPV



	Discount group	Code	Unit £
Ø 380 mm - Sena 1/3 HP 230 V II	B	27805	926.00
Ø 430 mm - Sena 1/3 HP 230 V II	B	23342	992.00
Ø 480 mm - Sena ½ HP 230 V II	B	23343	1,051.00
Ø 560 mm - Sena ¾ HP 230 V II	B	23344	1,108.00
Ø 660 mm - Sena 1.25 HP	B	28299	1,320.00

Millennium model monobloc with side mount MPV



	Discount group	Code	Unit £
Ø 380 mm - Sena 1/3 HP 230 V II	B	27804	978.00
Ø 430 mm - Sena 1/3 HP 230 V II	B	23348	1,005.00
Ø 480 mm - Sena ½ HP 230 V II	B	23349	1,058.00
Ø 560 mm - Sena ¾ HP 230 V II	B	23350	1,166.00
Ø 660 mm - Sena 1.25 HP	B	28301	1,416.00

BLOW-MOULDED SAND FILTERS

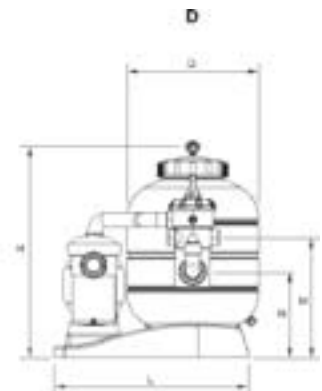
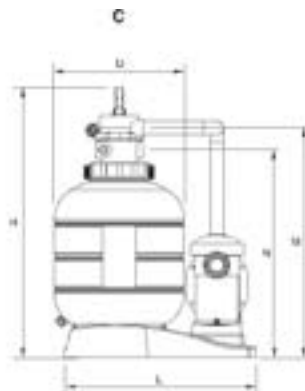
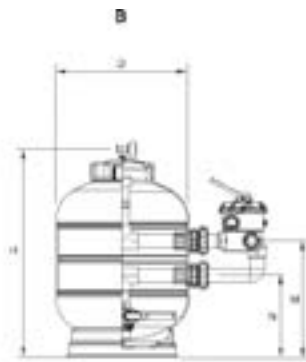
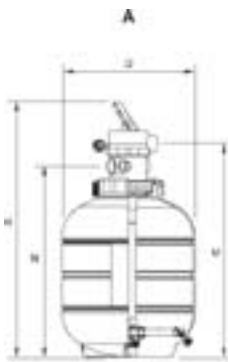
Millennium filters

Top mounted

Side mounted

Top mounted monobloc

Side mounted monobloc



	A - Top mounted filter					B - Side mounted filter					C - Top mounted monobloc					D - Side mounted monobloc				
	27811	22407	22408	22409	28253	27809	25296	25297	25298	28252	27805	23342	23343	23344	28299	27804	23348	23349	23350	28301
Ø D (mm)	380	430	480	560	660	380	430	480	560	660	380	430	480	560	660	380	430	480	560	660
H (mm)	820	835	870	945	1050	615	655	682	770	900	905	955	975	1055	1125	685	735	745	830	962
M (mm)	650	665	700	775	880	225	265	292	380	510	735	815	835	915	990	390	415	410	460	570
N (mm)	585	600	635	710	815	100	140	167	255	385	670	735	755	815	925	265	290	285	335	510
Length L (mm)	-	-	-	-	-	-	-	-	-	-	710	715	835	835	835	710	715	835	835	835
Connections	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Flow rate (m³/h)	5.5	7	9	12	17	5.5	7	9	12	17	5.5	7	9	12	17	5.5	7	9	12	17
Pool volume approx. (m³)	up to 40	40-50	50-75	75-100	140	up to 40	40-50	50-75	75-100	140	up to 40	40-50	50-75	75-100	140	up to 40	40-50	50-75	75-100	140
Sand load (kg)	± 45	± 70	± 80	± 110	± 180	± 45	± 70	± 80	± 110	± 180	40	60	85	135	180	40	60	85	135	180
Grade 1 glass load (57011) (kg)	28	42	60	95	175	28	42	60	95	175	28	42	60	95	175	28	42	60	95	175
Grade 2 glass load (57012) (kg)	8	11	16	25	47	8	11	16	25	47	8	11	16	25	47	8	11	16	25	47
Maximum pressure (kg/cm²)	2.5	2.5	2.5	2	2	2.5	2.5	2.5	2	2	2.5	2.5	2.5	2	2	2.5	2.5	2.5	2	2
Net weight (kg)	12	13.5	15	16.5	24	10	12	15	17.5	28	27	27	31	35	41	28	28	31	35	41
Package volume (m³)	0.17	0.17	0.24	0.35	0.52	0.13	0.13	0.18	0.26	0.42	0.33	0.33	0.43	0.50	0.59	0.33	0.33	0.43	0.50	0.59

	Millennium / Sena				
Side monobloc	27804	23348	23349	23350	28301
Top monobloc	27805	23342	23343	23344	28299
Ø (mm)	380	430	480	560	660
Pump	Sena	Sena	Sena	Sena	Sena
Power (HP)	1/3	1/3	1/2	3/4	1.25
Voltage (V)	230 II	230 II	230 II	230 II	230 II
Frequency (Hz)	50	50	50	50	50

BLOW-MOULDED SAND FILTERS

Injection-moulded plastic filter. Ivory in colour. Heat-welded top and bottom joint. Fitted with a flowmeter and manual air bleed valve. Multiport valve included. Top filtration speed of 50 m³/h per m² of fibre. Maximum pressure: 2.5 kg/cm².

Cantabric filters



Top-mounted multiport valve. Threaded filter locking ring in ABS.



6000 l/h Ø 400 mm outlet 1½"
 9000 l/h Ø 500 mm outlet 1½"
 14000 l/h Ø 600 mm outlet 1½"
 21000 l/h Ø 750 mm outlet 1½"
 21000 l/h Ø 750 mm outlet 2"

Discount group	Code	Unit £
B	22399	479.00
B	15780	539.00
B	15781	619.00
B	20128	971.00
B	23866	1,111.00

Side-mounted Cantabric filters

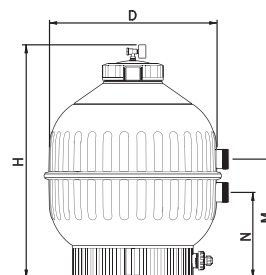
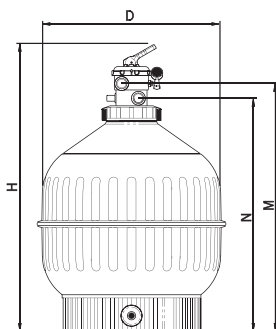
Clear lid & threaded locking ring in ABS, supplied with side-mounted multiport valve.



With multiport side valve

6000 l/h Ø 400 mm outlet 1½"
 9000 l/h Ø 500 mm outlet 1½"
 14,000 l/h Ø 600 mm outlet 1½"
 21000 l/h Ø 750 mm outlet 2"
 30000 l/h Ø 900 mm outlet 2½"

Discount group	Code	Unit £
B	22398	494.00
B	15782	573.00
B	15783	668.00
B	15784	1,012.00
B	22402	1,473.00



	Top-mounted					Side-mounted				
	22399	15780	15781	20128	23866	22398	15782	15783	15784	22402
Ø D (mm)	400	500	600	750	750	400	500	600	750	900
H (mm)	894	1009	1069	1239	1250	715	800	875	1045	1215
M (mm)	744	829	894	1064	1098	380	415	445	575	675
N (mm)	680	765	830	1000	1023	255	290	320	345	405
Connections	1½"	1½"	1½"	1½"	2"	1½"	1½"	1½"	2"	2½"
Flow (m ³ /h)	6	9	14	21	21	6	9	14	21	30
Approx. pool volume (m ³) (8 hours)*	48	72	112	168	168	48	72	112	168	240
Sand load (kg)	60	100	150	300	300	60	100	150	300	550
Grade 1 glass load (57011) (kg)	42	70	105	210	210	42	70	105	210	385
Grade 2 glass load (57012) (kg)	11	19	28	57	57	11	19	28	57	104
Net weight (kg)	8	14	15	23	25	7	12	14	24	34
Package volume (m ³)	0.2	0.37	0.49	0.83	0.83	0.15	0.29	0.4	0.67	1.3

Fitted with sand dump port of Ø 2" in Ø 750 mm & Ø 900 mm models, and of 1½" in Ø 400, Ø 500 & Ø 600 mm models.

* 8 hours turnover rate

LAMINATED FILTERS

Atlas filter



Reinforced polyester sand filter.


Technical features:

- Made of polyester resin and fibreglass.
- Excellent finish with gel-coat colour RAL 8029.
- The filter has been designed with higher coefficient of security, to guarantee a perfect operation.
- The union of the two bodies of the filter is carried out through a seal specially reinforced with fibreglass and polyester resin.
- Large diameter plastic lid.
- Cap to make the sand discharge into the filter easier.
- Fitted with 1" collector arms and diffuser made from unplasticised PVC.
- Interior pipe with tubes of PN-16.
- Sand purge of 2 1/2".
- Fitted with pressure gauge, air purge and manual water drain.
- Connections to multiport valve with six positions: filter, backwash, rinse, recirculate, waste and closed.
- **AstralPool innovation:** The filter has a security valve to avoid any over-pressure.
- Maximum working pressure of 2.5 Kg/cm².

Includes multiport

- Ø 500 mm outlet 1 1/2"
- Ø 600 mm outlet 1 1/2"
- Ø 750 mm outlet 2"

Does not include multiport

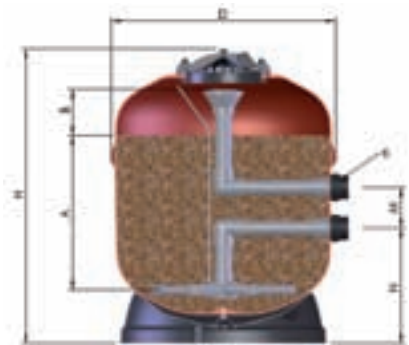
- Ø 900 mm outlet 2 1/2" 

Discount group	Code	Unit £
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B	36596	926.00
B	36597	993.00
B	36598	1,411.00

B	36599	1,777.00
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Code	36596	36597	36598	36599
Ø Filter mm	500	600	750	900
Connections	1 1/2"		2"	2 1/2"
Filtering surface (m ²)	0,19	0,30	0,44	0,64
Filtering velocity (m ³ /h/m ²)	50			
Flow (m ³ /h)	9.5	15	22	30
Working pressure (bar)	2.5			
Sand (kg)	120	190	360	580
Net weight (kg)	20	25	33	51



Dimensions:

Code	A (mm)	B (mm)	D (mm)	H (mm)	M (mm)	N (mm)
36596	400	120	545	830	125	300
36597	480	145	640	905	125	325
36598	550	165	790	1050	230	310
36599	630	190	940	1185	270	410

Sand drain of 2 1/2" and water drain of 3/4" with security valve.

LAMINATED FILTERS

Europe Pro - Pro Long filters



New



64990



64986



64998



64994



Complies with Standard
EN 16713-01

Filters manufactured in fibreglass and polyester resin Complies with filtration requirements as per standard EN 16713-1. Sand and glass compatible (see page 108).

- Filter colour (Ral5015)
- ¼" purge valve.
- 2 ½" sand discharge
- Polyester or methacrylate cover with screws.
- Diameter of top access: 285 mm.
- Maximum pressure: 2.5 bar.

Discount group	Code	Unit £
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Pro version

With methacrylate cover

9500 l/h Ø 500 mm output 1½"	B	64990	1,141.00
15000 l/h Ø 600 mm output 2"	B	64991	1,262.00
22000 l/h Ø 750 mm output 2"	B	64992	1,653.00
30000 l/h Ø 900 mm output 2½"	B	64993	2,050.00

With polyester cover

9500 l/h Ø 500 mm output 1½"	B	64986	976.00
15000 l/h Ø 600 mm output 2"	B	64987	1,095.00
22000 l/h Ø 750 mm output 2"	B	64988	1,482.00
30000 l/h Ø 900 mm output 2½"	B	64989	1,868.00

Pro Long version

With methacrylate cover

9500 l/h Ø 500 mm output 1½"	B	64998	1,400.00
15000 l/h Ø 600 mm output 2"	B	64999	1,535.00
22000 l/h Ø 750 mm output 2"	B	65000	1,995.00
30000 l/h Ø 900 mm output 2½"	B	65002	2,563.00

With polyester cover

9500 l/h Ø 500 mm output 1½"	B	64994	1,195.00
15000 l/h Ø 600 mm output 2"	B	64995	1,349.00
22000 l/h Ø 750 mm output 2"	B	64996	1,819.00
30000 l/h Ø 900 mm output 2½"	B	64997	2,332.00

* Figures without valve

	Pro version				Pro Long version			
With methacrylate cover	64990	64991	64992	64993	64998	64999	65000	65002
With polyester cover	64986	64987	64988	64989	64994	64995	64996	64997
Ø D (mm)	500	600	750	900	500	600	750	900
Connection	1½"	2"	2"	2½"	1½"	2"	2"	2½"
Selector valve code	00599	28476	28512	24837	00599	28476	28512	24837
Filtration surface area (m²)	0.19	0.3	0.44	0.64	0.19	0.3	0.44	0.64
Filtration velocity (m³/h/m²)	50				50			
Flow (m³/h) at 50 m³/h/m²	9.5	15	22	30	9.5	15	22	30
Maximum pressure (kg/cm²)	2.5				2.5			
Sand load (kg)	120	190	360	580	155	240	430	615
Grade 1 glass load (57011) (kg)	84	133	252	406	110	170	305	435
Grade 2 glass load (57012) (kg)	23	36	68	110	27	44	77	112
Net weight (kg)	15	20	25	46	20	25	33	51
Depth of filter bed (mm)	390	445	530	645	520	565	620	680

LAMINATED FILTERS

Vesubio filters



Made of polyester resins and fibreglass. Excellent finish. Filter colour red. Lid with screws.
 Fitted with 1" collector arms and diffuser.
 Fitted with pressure gauge, manual water drain, automatic and manual air vent.
 Connections to multiport valve with six positions: filter, backwash, rinse, recirculate, waste and closed.
 Maximum working pressure of 2,5 Kg/cm².

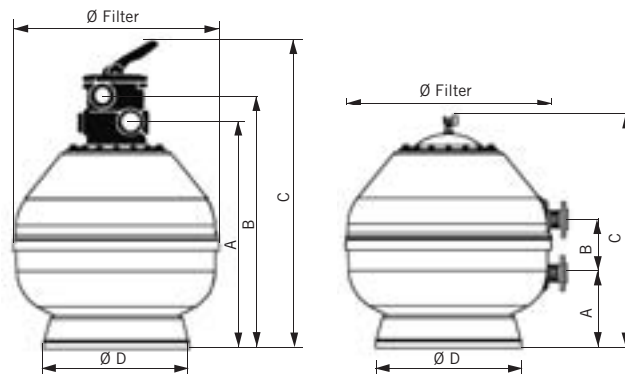
Side mount version

- Ø 500 mm outlet 1½"
- Ø 600 mm outlet 1½"
- Ø 750 mm outlet 2"

Top mount version

- 9000 l/h Ø 500 mm outlet 50 mm
- 14000 l/h Ø 600 mm outlet 50 mm
- 22000 l/h Ø 750 mm outlet 63 mm

Discount group	Code	Unit £
B	19775	594.00
B	19776	650.00
B	19777	918.00
B	32431	565.00
B	32432	648.00
B	33850	1,101.00



	Top mounted version			Side mounted version		
	32431	32432	33850	19775-0100	19776-0100	19777-0100
Ø Filter mm	500	600	750	500	600	750
A mm	690	790	837	305	325	300
B mm	750	850	913	125	125	230
C mm	920	1020	1124	765	865	895
D mm	400	400	490	400	400	490
Filtration area (m ²)	0.19	0.30	0.44	0.196	0.283	0.442
Connections	1½"	1½"	2"	1½"	1½"	2"
Flow rate m ³ /h at 50 m ³ /h/m ²	9	14	22	9	14	22
Pool (volume) m ³ (8 hours)	72	112	176	72	112	176
Sand kg (0.4-0.8 mm)	95	148	245	95	148	245

LAMINATED FILTERS

Berlin filter



Bright satin finish with a transparent polyurathane varnish dust-repellant coating. Ø 230 mm injected lid fixed with bolts. Fitted with pressure gauge, manual air vent, water purge, and side mounted multiport valve. Maximum filtration velocity 50 m³/h/m².

With multiport valve:

9000 l/h Ø 500 mm outlet 1½"
 14000 l/h Ø 600 mm outlet 1½"
 21000 l/h Ø 750 mm outlet 2"

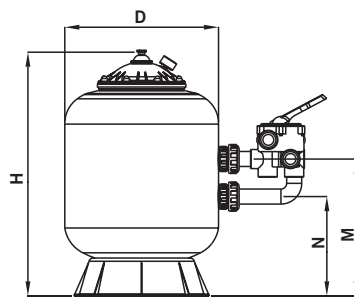
Without multiport valve:

30000 l/h Ø 900 mm outlet 2½"

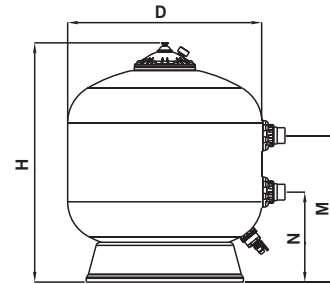
Without multiport valve and with Ø 400 mm plastic lid:

43000 l/h Ø 1050 mm outlet Ø 75 mm
 56000 l/h Ø 1200 mm outlet Ø 90 mm

Discount group	Code	Unit £
B	00541	852.00
B	00542	988.00
B	00543	1,593.00
B	00544	1,997.00
B	00545	3,438.00
B	00546	4,155.00



With multiport valve



Without multiport valve

	Side mounted valve			Without valve		
	00541	00542	00543	00544	00545	00546
Ø D mm	500	600	750	900	1050	1200
H mm	805	910	1050	1145	1300	1450
M mm	450	505	610	685	810	870
N mm	325	380	380	415	500	560
Connections	1½"	1½"	2"	2½"	*D75	**D90
Flow rate m ³ /h at 50 m ³ /h/m ²	9	14	21	30	43	56
Pool volume m ³	50-75	75-115	115-170	170-240	240-350	350-450
Sand kg	100	175	300	525	575/300	800/300
Maxi working pressure kg/cm ²	2.5	2.5	2.5	2.5	2.5	2.5
Net weight kg	14.6	18.6	27.5	43.4	83	93
Packaging volume m ³	0.23	0.36	0.26	0.99	1.92	2.75

*Filter outlet to be glued Ø 75 mm to accessories.

**Filter outlet with Ø 90 mm flange.

LAMINATED FILTERS

Aster filters



Laminated fibreglass filter with fibreglass. Grey colour, with new bolt-less lid and polypropylene base. Fitted with pressure gauge, water drainage plug, and multiport valve. Maximum working pressure: 2.5 kg/cm². Maximum filtration velocity 50 m³/h/m².

The side mount Asters now come with a 2½" sand drain which connects straight to a vac hose for easier media extraction.



With top mounted multiport valve

- 5000 l/h Ø 350 mm outlet 1½"
- 8000 l/h Ø 450 mm outlet 1½"
- 9000 l/h Ø 500 mm outlet 1½"
- 14000 l/h Ø 600 mm outlet 1½"
- 21000 l/h Ø 750 mm outlet 2"
- 32000 l/h Ø 900 mm outlet 2"

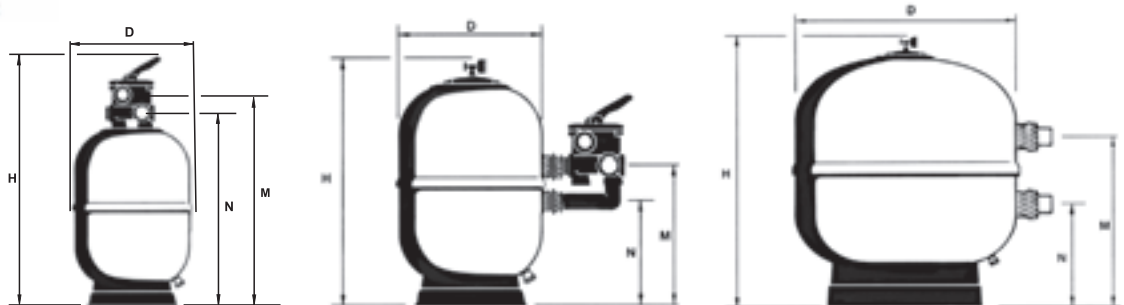
With side mounted multiport valve new with 2½" sand drain

- 5000 l/h Ø 350 mm outlet 1½"
- 8000 l/h Ø 450 mm outlet 1½"
- 9000 l/h Ø 500 mm outlet 1½"
- 14000 l/h Ø 600 mm outlet 1½"
- 21000 l/h Ø 750 mm outlet 2"

Without multiport valve

- 31000 l/h Ø 900 mm outlet 2½"

Discount group	Code	Unit £
B	30768	524.00
B	30769	550.00
B	30770	575.00
B	30771	657.00
B	33847	1,159.00
B	33848	1,525.00
B	00497FD01	540.00
B	00498FD01	651.00
B	19781FD01	688.00
B	00499FD01	770.00
B	00500FD01	1,177.00
B	00501	1,555.00



	With Top mounted multiport valve						With Side mounted multiport valve					Without valve
	30768	30769	30770	30771	33847	33848	00497	00498	19781	00499	00500	00501
Ø D mm	350	450	500	600	750	900	350	450	500	600	750	900
H mm	910	965	960	1005	1184	1344	780	795	770	850	945	1050
M mm	740	795	790	835	973	1133	420	430	415	455	555	660
N mm	680	785	730	775	897	1057	295	305	290	330	325	390
Connections	1½"	1½"	1½"	1½"	2"	2"	1½"	1½"	1½"	1½"	2	2½"
Flow rate m ³ /h at 50m ³ /h/m ²	5	8	9	14	21	31	5	8	9	14	21	30
Pool (volume) m ³ (8 hours)	40	64	72	112	168	240	40	64	72	112	168	240
Sand kg	50	70	95	125	290	500	50	70	95	125	290	500
Maxi working pressure kg/cm ²	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Net weight kg	17	20	22	27	38	72	18	21	18	21	30	51
Packaging volume m ³	0.13	0.23	0.30	0.46	0.74	1.49	0.13	0.23	0.26	0.36	0.6	1.03

LAMINATED FILTERS



MULTIPOINTS ARE NOT INCLUDED

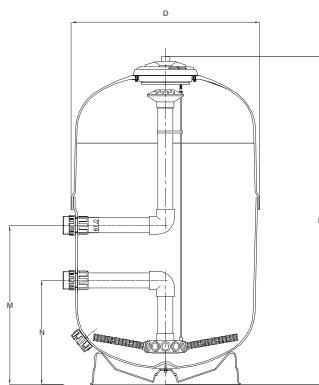
Deep Bed Aster filter



- The filters are manufactured with polyester resin and fibreglass.
- 0.8 m filter bed which gives a higher quality of filtration than the standard domestic filter.
- The filter can be used as a single layer or multi layer combining sand with gravel, glass or antracite.
- Fast opening lid.
- Sand drain of 2 1/2".
- Optional sand drain D. 200 mm.
- Maximum pressure 2.5 Bar
- Optional vinylester coating for ozone treatment.
- Maximum temperature of 40°.

- Ø 500 mm outlet 1 1/2"
- Ø 600 mm outlet 1 1/2"
- Ø 750 mm outlet 2"
- Ø 900 mm outlet 2"
- Ø 900 outlet 2 1/2"

Discount group	Code	Unit £
B	24768-0100	858.00
B	24769-0100	988.00
B	24770-0100	1,307.00
B	10003-0100	1,645.00
B	10004	1,691.00



	24768-0100	24769-0100	24770-0100	10003-0100	10004
Ø D mm	500	600	750	900	900
H mm	1365	1370	1435	1400	1435
M mm	605	605	665	825	865
N mm	480	480	435	595	595
Connections	1 1/2"	1 1/2"	2"	2"	2 1/2"
Flot rate m ³ /h at 50 m ³ /h/m ²	9.5	16.5	21	31	
Pool volume m ³	75	120	175	250	
Gravel kg	16	35	65	135	
Sand kg	200	300	450	580	
Working pressure kg/cm ²	2.5	2.5	2.5	2.5	2.5
Net weight kg	30	40	60	90	
Package volume m ³	0.59	0.59	0.89	-	-

LAMINATED FILTERS

OC-1 Aster filters



White laminated polyester and fibreglass filter. Internal parts with special sides for OC-1 media. Filter for side selector valve. 1/4" air and water purge. Transparent lid with screws. Maximum temperature: 50 °C Maximum working pressure of 2.5 kg/cm². Maximum filtration speed 50/h/m². Filter for OC-1 filtration media Not compatible with sand, glass or other filter loads

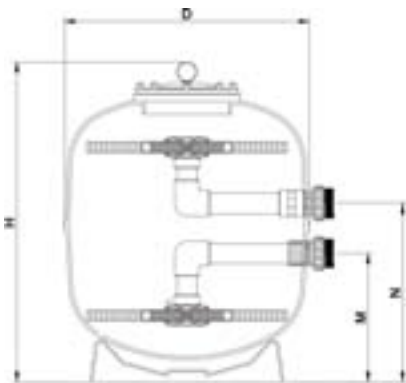
With multiport valve:

- OC-1 Aster filter 450
- OC-1 Aster filter 500
- OC-1 Aster filter 600
- OC-1 Aster filter 650
- OC-1 Aster filter 750
- OC-1 Aster filter 900-2"

Without multiport valve:

- OC-1 Aster filter 900-2 1/2"

Discount group	Code	Unit £
B	68642	715.00
B	68643	757.00
B	68644	847.00
B	68645	892.00
B	68646	1,296.00
B	68647	1,639.00
B	68648	1,738.00



	68642	68643	68644	68645	68646	68647	68648
Ø D (mm)	450	500	600	650	750	900	900
H (mm)	845	855	900	955	1035	1100	1100
M (mm)	305	290	330	370	325	365	390
N (mm)	430	415	455	495	555	635	660
Connections	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2 1/2"
Flow rate (m ³ /h) at 50 m ³ /h/m ²	8	10	14	17	22	32	32
Maxi working pressure kg/cm ²	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Pool volume (m ³)	64	72	112	120	168	240	240
Filtration area (m ²)	0,159	0,196	0,283	0,332	0,442	0,636	0,636
Volume OC-1 (L)	44	59	78	125	181	313	313
OC-1 (kg)	9	12	16	25	36	63	63
Net weight (kg)	18	20	25	26	33	50	50

OC-1

THE FUTURE OF SWIMMING POOL FILTRATION



SAVE TIME
Reduce your cleaning frequency to one third of traditional medias.



SAVE WATER
Unique filtration method reduces water consumption by up to 70%.



WATER QUALITY
Consistent filtration and water quality because of stable flow.



SAVE POWER
Great reduction in filter's head loss allows to use smaller pumps or reduce power.

Tested by 

ASTRALPOOL 

OC-1 
FILTRATION MEDIA

HIGH-PERFORMANCE LAMINATED SAND FILTERS

Filtration bed
1.2 m



Laminated filters with higher filter bed for enhanced performance and filtration quality, both for single-layer and multi-layer filters. There are various options to help choose the model that best suits usage and maintenance requirements. Compatible with sand, glass and anthracite, among others. They comply with filtration requirements as per standard EN 16713-1.

Norma filters



New

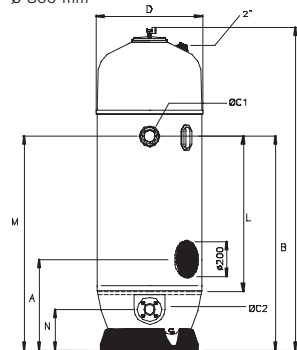
Filter laminated in fibreglass-reinforced polyester (FRP). For single layer or multilayer filling. Maximum working pressure of 2.5 kg/cm². The Norma filter is designed according to Germany's DIN 19643/19605 standard. Available with a plate collector system (0.5 mm slot) including a manhole cover for inspection of the bottom. Fitted with a sight glass, Ø 200mm top lid for loading sand and Ø 200mm or Ø 400mm side mouth depending on model. Fitted with pressure gauge, air purge and manual water drain. Interiors in PVC and PP, A4 screws and EPDM gaskets. Standard colour: ivory. Options: Vinylester coating (ozone resistant, concentrations < 0.4ppm and max. temp 40°C). Sand and glass compatible.

Maximum pressure: 2.5 kg/cm².

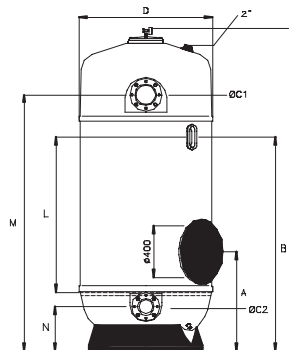
Diameter Ø mm	Filtration velocity	Outlet Ø mm	Flow m ³ /h 50m ³ /h/m ²	Discount group	Code	Unit £	Standard Weight Kg
650	30	90-75	10	D	08141P	3,618.00	100
800	30	90-75	15	D	08143P	4,074.00	125
1000	30	140-110	23	D	08144P	5,409.00	145
1200	30	140-110	34	D	08145P	10,168.00	177



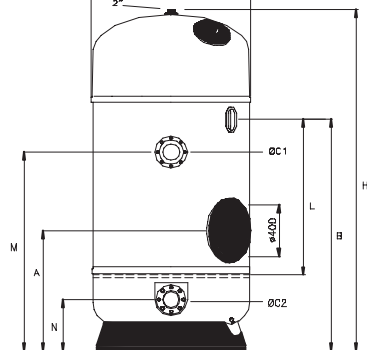
Ø 650 mm
Ø 800 mm



Ø 1000 mm



Ø 1200 mm



TECHNICAL FEATURES

	08142P	08143P	08144P	08145P
D (mm)	650	800	1000	1200
A (mm)	680	700	770	950
B (mm)	1660	1640	1655	1790
H (mm)	2480	2480	2490	2640
L (mm)	1200	1200	1200	1200
M (mm)	1650	1650	1980	1600
N (mm)	320	320	340	400
Ø C1 (mm)	90	90	140	140
Ø C2 (mm)	75	75	110	140
Flow (m ³ /h) at 30 m ³ /h/m ²	10	15	23	33
MULTILAYER	Anthracite 0.8 – 1.6 mm (l)	148	250	390
	Sand 0.4 – 0.8 mm (Kg)	160	271	420
	Gravel 1 – 2 mm (Kg)	46	78	120
	Gravel 3 – 5 mm (Kg)	46	78	120
SINGLE LAYER	Sand load (kg)	451	767	1215
	Gravel load (kg)	46	78	120
	Grade 1 glass load (57011) (kg)	346	589	698
	Grade 2 glass load (57012) (kg)	-	-	228
	Grade 2 glass load (57012) (kg)	93	159	251



Filtration bed 1 m

LAMINATED FILTERS




Complies with Standard EN 16713-01



Nozzle plate detail



Collector arms detail

Artic Filter 1m bed depth - sight glass now on request 



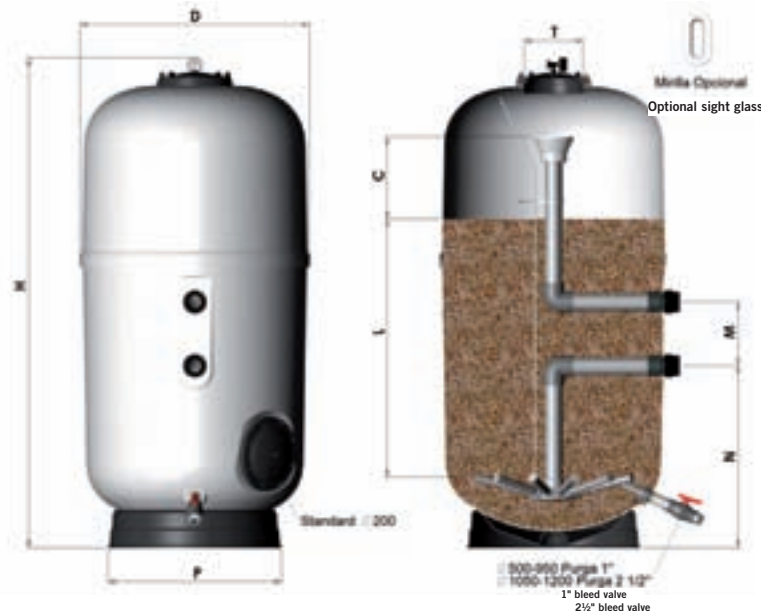
Range of high-capacity retention filters with optimal backwash performance. Manufactured in polyester with an external gel-coat finish. Body of just two parts; ivory. Maximum working temperature of 50°C. Internal parts made from PVC plastic. Antivortex. Ø 400 lid to remove sand from bottom part of filter (optional) in Ø 1050 and Ø 1200 versions. Ø 650, 800, 950, 1050 and 1200 filters available with collector arms or nozzle plate. Compatible with sand and glass, among others. Complies with filtration requirements as per standard EN 16713-1.

Collector arms system

- Ø 650 mm connection 1½"
- Ø 800 mm connection 2"
- Ø 950 mm connection 2½"
- Ø 1050 mm connection 3"
- Ø 1200 mm connection 4"

Discount group	Code	Unit £
D1	34030	1,466.00
D1	34031	1,818.00
D1	41187	2,090.00
D1	41188	3,813.00
D1	41189	4,334.00

	34030	34031	41187	41188	41189
Ø D (mm)	680	825	970	1090	1255
H (mm)	1700	1750	1760	1895	1970
M (mm)	125	230	270	270	270
N (mm)	775	685	655	630	665
L (mm)	1000				
C (mm)	300				
P (mm)	490	625	705	775	940
T (mm)	200			400	
Connections	1½"	2"	2½"	3"	4"
Flow rate (m³/h)	16,5	25	35	43	56,5
Filtration area (m²)	0,33	0,50	0,70	0,86	1,13
Sand load (kg)	380	530	830	1015	1360
Gravel load (kg)	100	165	260	320	410
Grade 1 glass load (57011) (kg)	332	481	754	923	1225
Grade 2 glass load (57012) (kg)	90	130	203	249	330
Maximum pressure (kg/cm²)	2,5	2,5	2,5	2,5	2,5
Net weight (kg)	65	70	109	135	155
Water drain	1"	1"	1"	2½"	2½"
Injection-moulded plastic lid	Ø200	Ø200	Ø200	Ø400	Ø400



Filtration bed 1.2 m



Complies with Standard
EN 16713-01



Nozzle plate detail



Collector arms detail

LAMINATED FILTERS

Artic Filters 1.2m bed depth - with sight glass



New

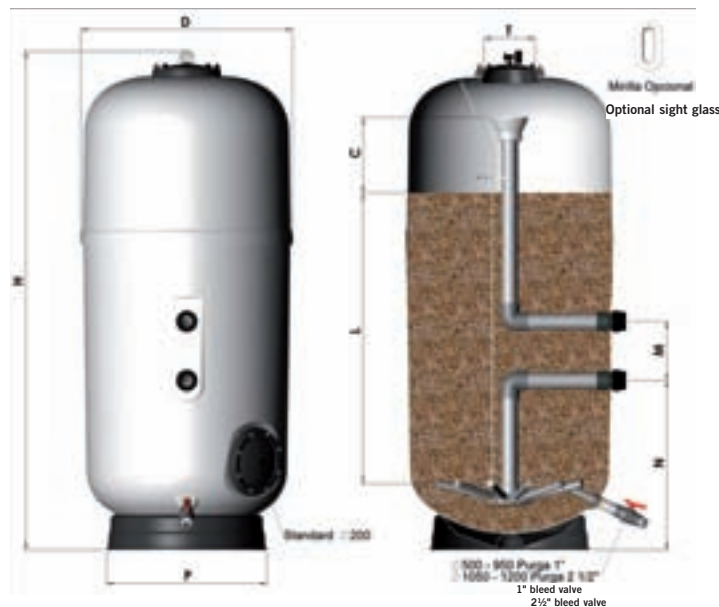
Range of high-capacity retention filters with optimal backwash performance. Manufactured in polyester with an external gel-coat finish. Body of just two parts; ivory. Maximum working temperature of 50°C. Internal parts made from PVC plastic. Antivortex. Ø 400 lid to remove sand from bottom part of filter (optional) in Ø 1050 and Ø 1200 versions. Ø 650, 800, 950, 1050 and 1200 filters available with collector arms or nozzle plate. Compatible with sand and glass, among others. Complies with filtration requirements as per standard EN 16713-1.

Collector arms system

- Ø 650 mm connection 1½"
- Ø 800 mm connection 2"
- Ø 950 mm connection 2½"
- Ø 1050 mm connection 3"
- Ø 1200 mm connection 4"

Discount group	Code	Unit £
D1	36053	1,799.00
D1	36054	2,170.00
D1	41373	2,630.00
D1	36055	4,289.00
D1	36056	4,872.00

	36053	36054	41373	36055	36056
Ø D (mm)	680	825	970	1090	1255
H (mm)	1900	1950	1960	2145	2170
M (mm)	125	230	270	270	270
N (mm)	730	670	665	665	665
L (mm)	1200				
C (mm)	300				
P (mm)	490	625	705	775	940
T (mm)	200			400	
Connections	1½"	2"	2½"	3"	4"
Flow rate (m³/h)	16,5	25	35	43	56,5
Filtration area (m²)	0,33	0,50	0,70	0,86	1,13
Sand load (kg)	470	660	1015	1240	1665
Gravel load (kg)	100	165	260	320	410
Grade 1 glass load (57011) (kg)	396	572	663	811	1079
Grade 2 glass load (57012) (kg)	-	-	216	265	352
Grade 2 glass load (57012) (kg)	107	154	238	291	388
Maximum pressure (kg/cm²)	2,5				
Net weight (kg)	75	90	131	135	210
Water drain	1"	1"	1"	2½"	2½"
Injection-moulded plastic lid	Ø200	Ø200	Ø200	Ø400	Ø400



Filtration bed 1 m

LAMINATED FILTERS



DOES NOT INCLUDE VALVE MANIFOLD

Also available with a 1.2 m bed depth

Europe filters



Polyester and fibreglass filters: complete fitted with pressure gauge panel, manual air relief valve and water purge Ø 200 sand discharge port. Ø 400 mm top lid. Suitable for filtration velocities of 20, 30, 40 and 50 m³/h/m². Please enquire for other velocities. All Europe filters can be fitted with valve manifold.

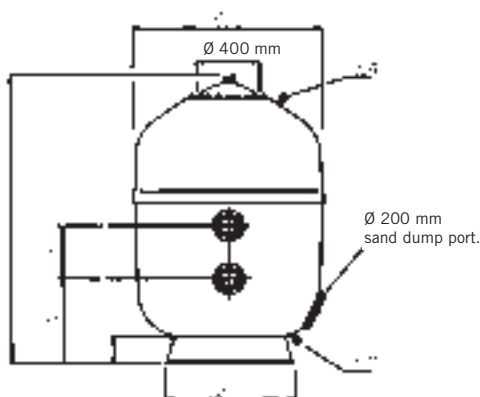
Maximum working pressure 2.5 Kg/cm²

Filtration bed 1 m

Diameter Ø mm	Filtration velocity m ³ /h/m ²	Outlet Ø mm	Flow m ³ /h	Discount group	Code	Unit £	Standard Weight Kg
1050	20*	63	17	D	20070	3,086.00	125
	30/40**	75	25/34	D	20071	3,159.00	125
	50	90	43	D	20072	3,238.00	125
1200	20/30	75	22/33	D	20068	3,484.00	150
	40/50	90	45/56	D	20069	3,563.00	150
1400	20	75	30	D	21497	4,785.00	214
	30	90	46	D	21498	4,995.00	214
	40/50	110	61/77	D	21499	5,135.00	214
1600	20	90	40	D	21500	5,989.00	230
	30/40	110	60/80	D	21501	6,108.00	230
	50	125	100	D	21502	6,440.00	230
1800	20	90	50	D	21503	7,076.00	344
	30	110	76	D	21504	7,204.00	344
	40	125	101	D	21505	7,498.00	344
	50	140	125	D	21506	7,708.00	344
2000	20	110	62	D	21507	8,336.00	400
	30	125	94	D	21508	8,625.00	400
	40	140	125	D	21509	9,022.00	400
	50	160	157	D	21510	9,223.00	400
2350	20	125	87	D	33820	12,022.00	600
	30	140	130	D	33822	12,103.00	600
	40	160	174	D	33824	12,837.00	600
	50	200	217	D	33826	13,538.00	600
2500	20	140	100	D	34302	14,827.00	630
	30	160	150	D	34303	15,257.00	630
	40	200	200	D	34304	15,763.00	630
	50	225	225	D	34305	16,329.00	630

* Can use a 2" multiport valve.

** Can use a 2 1/2" multiport valve.



Ø (mm)	1050	1200	1400	1600	1800	2000	2350	2500
Filtration bed height (m)	1	1	1	1	1	1	1	1
H (mm)	1860	1860	2000	2100	2200	2200	2430	2525
B (mm)	270*	350	400	400	400	400	400	500
A (mm)	540	570	615	710	725	805	950	1015
Ø P (mm)	760	850	1083	1230	1370	1558	1830	1830
E (mm)	170	180	240	250	270	300	355	-
Filtration area (m ²)	0.86	1.13	1.54	2.01	2.54	3.14	4.34	4.9
Volume (l)	1250	1575	2185	2965	3850	4850	7230	9385
Sand 0.4 – 0.8 mm (Kg)	1050	1360	1820	2375	3010	3750	5000	5600
Gravel 1 – 2 mm (Kg)	265	325	410	515	760	1060	2000	2920
Total weight in operation (Kg)	2060	2600	3500	4700	6150	7800	10786	13800

* For 2" multiport valve the height will be 230 mm.

Filtration bed 1 m



DOES NOT INCLUDE VALVE MANIFOLD

OTHER SPECIFIC DEPTHS MAY BE MADE TO ORDER.

THE Ø 3000 mm FILTERS WILL BE SHIPPED BY SPECIAL DELIVERY. ASK YOUR DEALER ABOUT ADDITIONAL COSTS.

For filters with nozzle plates, a side opening (Ø 400 mm or Ø 225 mm) should be made for emptying the filter medium.

BOBBIN WOUND FILTERS

Praga filters



Single layer filter in polyester and fibreglass. Lid Ø 400 mm. Supplied with manual air relief valve and water purge, sand dump port, and pressure gauge panel. Valid for 20, 30 and 40 m³/h/m² filtration velocities. For other filtration velocities, please enquire.

Maximum working pressure 2.5 Kg/cm²

Diameter Ø mm	Filtration velocity m ³ /h/m ²	Outlet Ø mm	Flow rate m ³ /h	Discount group	Code	Unit £	Standard Weight Kg
1050	20	63	17	C	00687	3,145.00	120
	30-40	75	25-34	C	00694	3,215.00	120
	-	90	-	C	00707	3,408.00	120
1200	20-30	75	22-33	C	00688	3,447.00	154
	40	90	45	C	00702	3,647.00	154
1400	20	75	30	C	00689	4,224.00	173
	30	90	46	C	00696	4,409.00	173
	40	110	61	C	00703	4,650.00	173
1600	20	90	40	C	00690	5,118.00	235
	30-40	110	60-80	C	00697	5,277.00	235
	-	125	-	C	00710	5,729.00	235
1800	20	90	50	C	00691	5,597.00	270
	30	110	76	C	00698	5,868.00	270
	40	125	101	C	00705	6,375.00	270
	-	140	-	C	00711	6,765.00	270
2000	20	110	62	C	00692	6,959.00	295
	30	125	94	C	00699	7,155.00	295
	40	140	125	C	00706	7,528.00	295
	-	160	-	C	05083	8,615.00	295
2200	30	140	114	C	56937	14,072.00	412
	40	160	152	C	56938	14,759.00	412
2350	20	125	87	C	00693	15,147.00	530
	30	140	130	C	00700	15,550.00	530
	40	160	175	C	04935	16,308.00	530
2500	20	140	100	C	08695	16,465.00	780
	30	160	150	C	08696	17,576.00	780
	40	200	200	C	08697	18,556.00	780
3000	20	160	140	C	08699	29,544.00	1350
	30	200	212	C	08700	31,776.00	1350
	40	225	282	C	08701	32,621.00	1350

Note: See technical features on next page

Filtration bed 1 m

BOBBIN WOUND FILTERS



Praga filters

Lid Ø 400 mm.

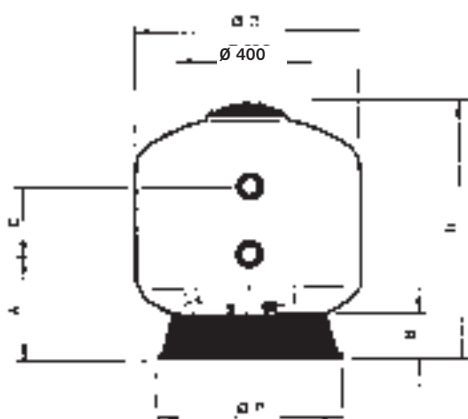
Maximum working pressure 4 Kg/cm²

DOES NOT INCLUDE VALVE MANIFOLD

OTHER SPECIFIC DEPTHS MAY BE MADE TO ORDER.

THE Ø 3000 mm FILTERS WILL BE SHIPPED BY SPECIAL DELIVERY. ASK YOUR DEALER ABOUT ADDITIONAL COSTS.

Diameter Ø mm	Filtration velocity m ³ /h/m ²	Outlet Ø mm	Flow rate m ³ /h	Discount group	Code	Unit £	Standard Weight Kg
1050	20	63	17	C	09209	3,906.00	142
	30-40	75	25-34	C	00712	4,003.00	142
	-	90	-	C	00724	4,115.00	142
1200	20-30	75	22-33	C	00713	4,418.00	169
	40	90	45	C	00719	4,533.00	169
1400	20	75	30	C	09210	5,000.00	192
	30	90	46	C	00714	5,201.00	192
	40	110	61	C	00720	5,411.00	192
1600	20	90	40	C	09211	6,028.00	250
	30-40	110	60-80	C	00715	6,254.00	250
	-	125	-	C	00727	6,661.00	250
1800	20	90	50	C	09212	6,622.00	300
	30	110	76	C	00716	6,847.00	300
	40	125	101	C	00722	7,256.00	300
	-	140	-	C	00728	7,358.00	300
2000	20	110	62	C	09213	8,046.00	350
	30	125	94	C	00717	8,448.00	350
	40	140	125	C	00723	8,543.00	350
	-	160	-	C	05132	9,352.00	350
2200	30	140	114	C	57812	16,887.00	440
	40	160	152	C	57813	17,711.00	440
2350	20	125	87	C	09214	18,176.00	530
	30	140	130	C	09217	18,660.00	530
	40	160	175	C	09220	19,570.00	530
2500	20	140	100	C	09215	19,758.00	960
	30	160	150	C	09218	21,091.00	960
	40	200	200	C	09221	22,267.00	960
3000	20	160	140	C	09216	36,329.00	1600
	30	200	212	C	09219	38,586.00	1600
	40	225	282	C	09222	39,477.00	1600



Ø (mm)	1050	1200	1400	1600	1800	2000	2200	2350	2500	3000
Depth of sand medium (m)	1	1	1	1	1	1	1	1	1	1
H (mm)	1640	1780	1755	1835	1875	2040	2440	2520	2550	2750
B (mm)	200	230	240	260	280	300	340	340	340	350
A (mm)	540	570	585	680	720	790	950	965	1080	1100
C (mm)	645	640	610	515	465	510	510	600	450	440
Ø P (mm)	755	940	1085	1230	1370	1550	1830	1859	2000	2365
E (mm)	90	90	90	140	140	140	140	140	140	140
Filtration surface areas (m ²)	0.86	1.13	1.54	2.01	2.54	3.14	3.80	4.34	4.90	7.07
Volume (l)	1050	1500	2000	2600	3400	4400	6520	8045	9050	12800
Sand load (kg)	950	1375	1650	2150	2800	3800	4650	5275	5950	8600
Gravel load (kg)	300	300	450	675	750	1050	1900	1800	2200	3300
Grade 1 glass load (57011) (kg)	648	872	1091	1465	1844	2519	3388	3667	4220	6160
Grade 2 glass load (57012) (kg)	212	285	356	479	602	823	1107	1198	1378	2012
Grade 3 glass load (57013) (kg)	233	313	392	527	663	906	1218	1319	1518	2215
Total operating weight (kg)	2000	2700	3700	4900	6100	7900	11200	12550	13760	20200

Filtration bed 1 m



SOME FILTER VESSELS FROM Ø 2000 mm AND ABOVE MAY REQUIRE SPECIAL TRANSPORT VEHICLES. PLEASE ASK FOR A QUOTATION AT THE TIME OF YOUR ENQUIRY.

NOTE: The lateral manholes (Ø 400 mm or Ø 225 m) are recommended for filters with nozzle collector plates for emptying of filter media.



Filter base



Connections Sand dump port



Water purge



Access lid

BOBBIN WOUND FILTERS

Vic filters



The Vic bobbin wound filter has a screw-top lid for easy access with quick-locking mechanism for diameters up to and including Ø 2 m. Vic filters with diameters of Ø 2.35 m, Ø 2.5 m and Ø 3 m, have a Ø 400 mm bolt-down lid.

Fitted with new 1½" collector arms in moulded ABS, these one piece laterals varying in length from 90 mm to 525 mm, replace the need for interconnecting unions previously required to make up the length. This makes maintenance easier and more effective. Less head drain loss is also achieved thanks to the increased diameter of the collector arms.

The collector tubes are manufactured in moulded PVC and have a diameter of 90 mm. Water drainage and air relief are now quicker thanks to the inclusion of 1" diameter air and water purge valves.

The distance between the upper sand bed and the freeboard has been increased to ensure improved water distribution in the filtration stage and to avoid sand falling into the drainage system during the wash cycle.

An interior vinyl ester coating is required if ozone is to be used

Maximum working pressure 2.5 Kg/cm²

Diameter Ø mm	Filtration velocity m ³ /h/m ²	Outlet Ø mm	Flow m ³ /h	Discount group	Code	Unit £	Standard Weight Kg
1050	20	63	17	C	11511N	3,146.00	120
	30-40	75	25-34	C	11517N	3,216.00	120
	50	90	43	C	11526N	3,409.00	120
1200	20-30	75	22-33	C	11512N	3,448.00	154
	40-50	90	45-56	C	11522N	3,648.00	154
1400	20	75	30	C	11513N	4,225.00	173
	30	90	46	C	11518N	4,411.00	173
	40-50	110	61-77	C	11523N	4,651.00	173
1600	20	90	40	C	11514N	5,120.00	235
	30-40	110	60-80	C	11519N	5,279.00	235
	50	125	100	C	11527N	5,731.00	235
1800	20	90	50	C	11515N	5,599.00	270
	30	110	76	C	11520N	5,869.00	270
	40	125	101	C	11524N	6,377.00	270
	50	140	125	C	11528N	6,766.00	270
2000	20	110	62	C	11516N	6,961.00	295
	30	125	94	C	11521N	7,157.00	295
	40	140	125	C	11525N	7,530.00	295
	50	160	157	C	11529N	8,618.00	295

Filtration bed 1 m

BOBBIN WOUND FILTERS

Vic filters



SOME FILTER VESSELS FROM Ø 2000 mm AND ABOVE MAY REQUIRE SPECIAL TRANSPORT VEHICLES. PLEASE ASK FOR A QUOTATION AT THE TIME OF YOUR ENQUIRY.

NOTE: The lateral manholes (Ø 400 mm or Ø 225 mm) are recommended for filters with nozzle collector plates for emptying of filter media.

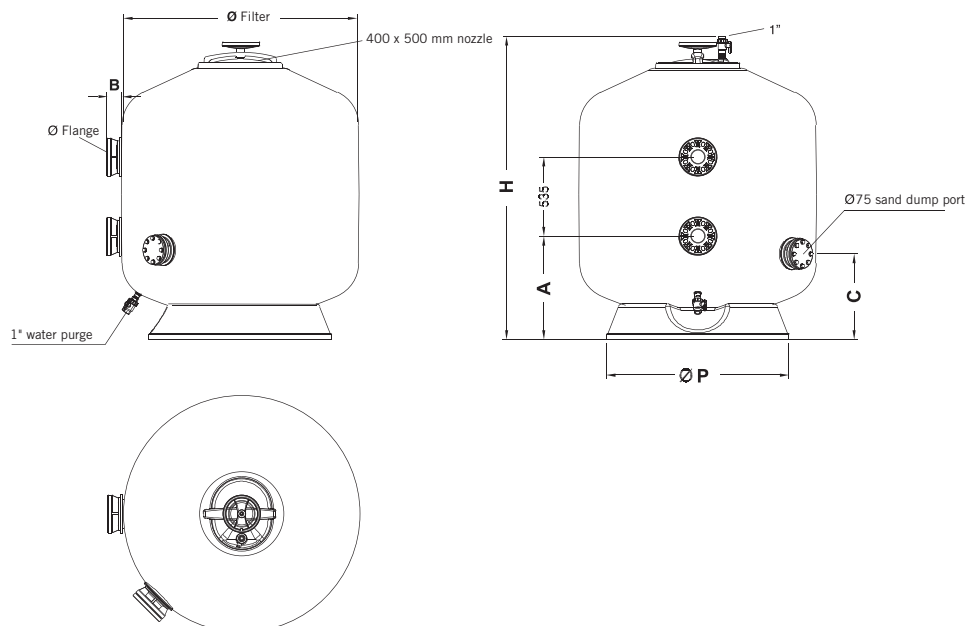
Code	Ø Filter	A	B	C	H	Ø P	Ø Connection	Filtration surface	Sand	Gravel	0.5-1mm GLASS	3mm GLASS
2.5 Kg	mm	mm	mm	mm	mm	mm	mm	m ²	(0.4-0.8 mm)	(1-2 mm)		
11511N	1050	685	85	535	1950	760	63	0.86	1050	295	850	250
11517N	1050	685	85	535	1950	760	75	0.86				
11526N	1050	685	85	535	1950	760	90	0.86				
11512N	1200	680	85	530	1970	860	75	1.13	1375	390	1125	350
11522N	1200	680	85	530	1970	860	90	1.13				
11513N	1400	685	85	575	2000	1020	75	1.54	1875	600	1500	500
11518N	1400	685	85	575	2000	1020	90	1.54				
11523N	1400	685	85	575	2000	1020	110	1.54				
11514N	1600	695	85	625	2050	1150	90	2.01	2450	780	1975	625
11519N	1600	695	85	625	2050	1150	110	2.01				
11527N	1600	695	85	625	2050	1150	125	2.01				
11515N	1800	710	85	670	2080	1320	90	2.54	3100	1100	2500	875
11520N	1800	710	85	670	2080	1320	110	2.54				
11524N	1800	710	85	670	2080	1320	125	2.54				
11528N	1800	710	85	670	2080	1320	140	2.54	3800	1230	3075	1000
11516N	2000	730	85	715	2150	1470	110	3.14				
11521N	2000	730	85	715	2150	1470	125	3.14				
11525N	2000	730	85	715	2150	1470	140	3.14				
11529N	2000	730	85	715	2150	1470	160	3.14				



Filter base



Collector arms



THIS CHART APPLIES ONLY TO HIGH PERFORMANCE OSLO, OLOT AND AMPURIA BOBBIN WOUND FILTERS

BOBBIN WOUND FILTERS



Vertical high performance bobbin wound filters



Oslo



Olot

General features:

- 100% resistant to corrosion unlike conventional steel filters
- Maximum operating temperature 50°C
- Comply with European standards for pressure vessels 97/23/CE included in section 3 of article 3
- Hydraulic pressure test 1.5 times the maximum admissible pressure

Technical features of internal components:

- Internal components and pipe in PVC
- Laterals and nozzles in PP
- Airwash connection in models with underdrain nozzle plates
- Bolts, nuts and washers in AISI-316
- EPDM seals and gaskets.

Advantages of using an underdrain nozzle plate system over the conventional lateral system:

- There are no areas beneath the nozzles for water to stagnate as could occur in a lateral system
- Optimum filter bed backwash with a uniform water distribution
- Possibility of air wash with consequent saving of clean water
- The lateral manhole is recommended for sand discharge

The characteristics of liquids to be filtered should be indicated clearly when requesting ozone or other chemical resistant coatings for the filter interior.

MEDIA RECOMMENDATIONS:

MULTILAYER - Nozzle plate - Filtration bed 1.2 m												
Diameter mm		1050	1200	1400	1600	1800	2000	2350	2500	2600	2800	3000
Hydroanthracite (0.8-1.6) Kg	600 mm	450	575	775	1000	1275	1575	2175	2450	2548	2956	3550
Sand (0.4-0.8) Kg	400 mm	475	625	825	1100	1400	1700	2350	2675	2973	3448	3850
Gravel (1-2) Kg	100 mm	150	175	250	300	400	500	675	775	796	924	1100
Gravel (3-5) Kg	100 mm	150	175	250	300	400	500	675	775	796	924	1100
MULTILAYER - Nozzle plate - Filtration bed 1.5 m												
Diameter mm		1050	1200	1400	1600	1800	2000	2350	2500	2600	2800	3000
Hydroanthracite (0.8-1.6) Kg	600 mm	450	575	775	1000	1275	1575	2175	2450	2548	2956	3550
Sand (0.4-0.8) Kg	600 mm	725	950	1250	1650	2100	2550	3525	4025	4460	5172	5775
Gravel (1-2) Kg	100 mm	150	175	250	300	400	500	675	775	796	924	1100
Gravel (2-3) Kg	100 mm	150	175	250	300	400	500	675	775	796	924	1100
Gravel (3-5) Kg	100 mm	150	175	250	300	400	500	675	775	796	924	1100
SINGLELAYER - Nozzle plate - Filtration bed 1.2 m												
Diameter mm		1050	1200	1400	1600	1800	2000	2350	2500	2600	2800	3000
Sand (0.4-0.8) Kg	1100 mm	1300	1775	2300	3000	3800	4650	6300	7075	8176	9483	10575
Gravel (1-2) Kg	100 mm	150	175	250	300	400	500	675	775	796	924	1100
SINGLELAYER - Nozzle plate - Filtration bed 1.5 m												
Diameter mm		1050	1200	1400	1600	1800	2000	2350	2500	2600	2800	3000
Sand (0.4-0.8) Kg	1200 mm	1450	1900	2500	3300	4200	5100	7050	8050	8920	10345	11550
Gravel (1-2) Kg	100 mm	150	175	250	300	400	500	675	775	7964	9236	1100
Gravel (2-3) Kg	100 mm	150	175	250	300	400	500	675	775	7964	9236	1100
Gravel (3-5) Kg	100 mm	150	175	250	300	400	500	675	775	7964	9236	1100
MULTILAYER - Collector arms - Filtration bed 1.2 m												
Diameter mm		1050	1200	1400	1600	1800	2000	2350	2500	2600	2800	3000
Hydroanthracite (0.8-1.6) Kg	600 mm	450	575	775	1000	1275	1575	2175	2450	2548	2956	3550
Sand (0.4-0.8) Kg	400 mm	475	625	825	1100	1400	1700	2350	2675	2973	3448	3850
Gravel (2-3) Kg	100 mm	150	175	250	300	400	500	675	775	796	924	1100
Gravel (3-5) Kg	100 mm (1)	300	350	500	775	850	1150	1800	1975	2123	2463	3850
SINGLELAYER - Collector arms - Filtration bed 1.2 m												
Diameter mm		1050	1200	1400	1600	1800	2000	2350	2500	2600	2800	3000
Sand (0.4-0.8) Kg	1100 mm	1300	1775	2300	3000	3800	4650	6300	7075	8176	9483	10575
Gravel (1-2) Kg	100 mm (1)	300	350	500	775	850	1150	1800	1975	2123	2463	3850

Densities: Hydroanthracite = 0.8 Kg/dm³ - Sand = 1.4 Kg/dm³ - Gravel = 1.5 Kg/dm³

(1) 100 mm above laterals

Filtration bed 1.2 m



ALTERNATIVE HEIGHTS AVAILABLE UNDER SPECIAL ORDER.

SOME FILTER VESSELS FROM Ø 2000 mm AND ABOVE MAY REQUIRE SPECIAL TRANSPORT VEHICLES. PLEASE ASK FOR A QUOTATION AT THE TIME OF YOUR ENQUIRY.



Lateral manhole Ø 400 mm



Nozzle plate



Sightglass

BOBBIN WOUND FILTERS

Oslo filters



Features:

Vertical high performance bobbin wound filters

Collector system:

A -Conventional collector system using laterals with 0.3 mm slots

For working pressure of 2.5 and 4 bars.

B -Nozzle plate with 0.5 mm slots. For working pressure of 2.5 and 4 bars.

Fitted with:

- Pressure gauge panel
- Manual air vent and water purge

Options:

- Positioning of water connection flanges, sightglasses and manhole covers are provided according to customer specifications.
- Diameters of connections and purges depend on customer specifications.
- For other variations such as height, chemical resistant internal coating, pressure rating, etc., please enquire.

Maximum working pressure 2.5 Kg/cm²

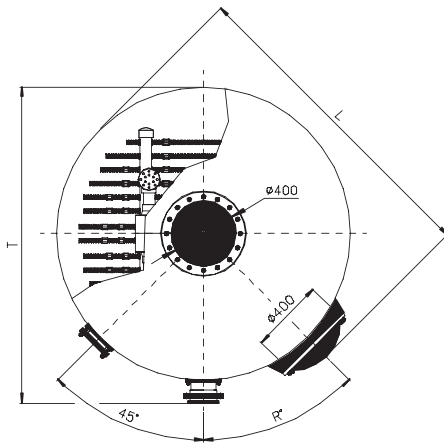
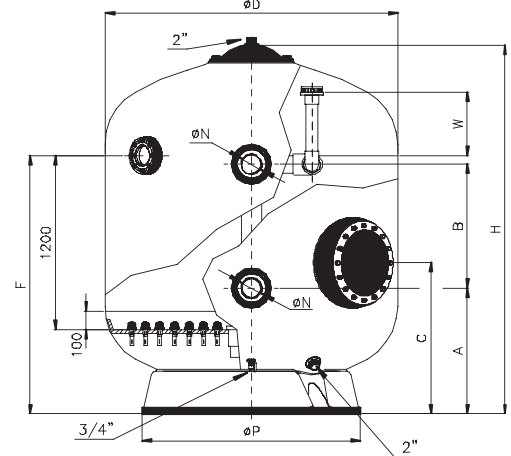
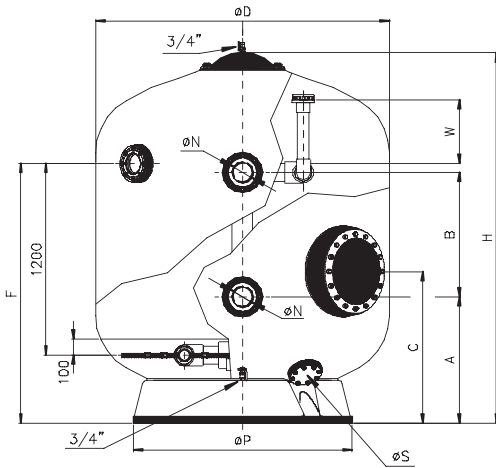
Diameter Ø mm	Filtration velocity m ³ /h/m ²	Outlet Ø mm	Flow m ³ /h	Discount group	Code	Unit £	Standard Weight Kg
1050	30	75	25	D	04611	4,890.00	207
	40	90	34	D	04612	5,199.00	207
1200	30	75	33	D	04613	5,438.00	234
	40	110	45	D	04650	6,208.00	234
1400	30	90	46	D	04615	6,671.00	294
	40	125	61	D	04616	7,186.00	294
1600	30	110	60	D	04619	8,186.00	360
	40	140	80	D	04651	8,630.00	360
1800	30	125	76	D	04623	9,768.00	416
	40	160	101	D	04624	10,550.00	416
2000	30	125	94	D	04626	11,449.00	483
	40	160	125	D	04652	12,484.00	483
2350	30	140	130	D	08693	14,476.00	651
	40	200	175	D	08694	16,247.00	651
2500	30	160	150	D	08704	17,281.00	820
	40	225	200	D	08706	20,689.00	820
3000	30	200	212	D	08708	30,506.00	1300
	40	250	282	D	08710	33,804.00	1300

An interior vinylster coating is required if ozone is to be used.

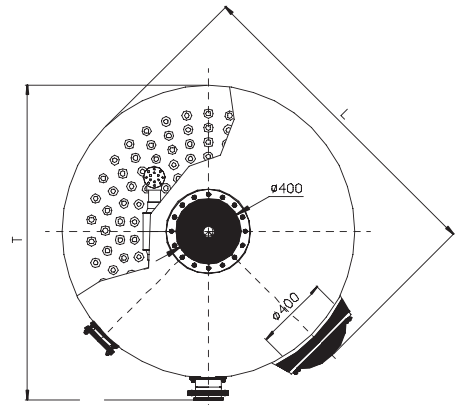
Also available in 4 bar.

BOBBIN WOUND FILTERS

Oslo filters



Oslo With laterals



Oslo with nozzle plate

Ø D (mm)	Filtration velocity (m ³ /hr/m ²)	Ø N (mm)		2.5 bar		Flow m ³ /h	Filtration area m ²	Volume (l)	A (mm)	B (mm)	C (mm)	F (mm)	H (mm)	L (mm)	Ø P (mm)	R (mm)	Ø S (mm)	T (mm)	W (mm)	Total weight in oper. Kg
				Code																
1050	30	75	DN65	04611	25	0.86	1500	650	940	770	1550	2070	1240	750	55	90	1220	325	2450	
	40	90	DN80	04612	34															
1200	30	75	DN65	04613	33	1.13	1860	670	830	770	1550	2080	1390	940	45	90	1380	350	3000	
	40	110	DN100	04650	45															
1400	30	90	DN80	04615	46	1.54	2700	680	820	840	1570	2175	1590	1085	45	90	1570	350	4300	
	40	125	DN110	04616	61															
1600	30	110	DN100	04619	60	2.01	3620	780	800	870	1625	2310	1790	1230	45	140	1780	400	5825	
	40	140	DN125	04651	80															
1800	30	125	DN110	04623	76	2.54	4725	790	780	950	1625	2320	1990	1370	45	140	2000	400	7300	
	40	160	DN150	04624	101															
2000	30	125	DN110	04626	94	3.14	5800	790	840	950	1695	2460	2190	1550	45	140	2200	400	9000	
	40	160	DN150	04652	125															
2350	30	140	DN125	08693	130	4.34	8800	1065	700	1030	1850	2720	2550	1830	45	140	2550	500	13750	
	40	200	DN175	08694	175															
2500	30	160	DN150	08704	150	4.90	9850	1125	450	1080	1760	2750	2700	2000	45	140	2750	500	14885	
	40	225	DN200	08706	200															
3000	30	200	DN175	08708	212	7.07	15350	1150	600	1140	1870	2950	3200	2365	45	140	3200	500	21615	
	40	250	DN225	08710	282															

HORIZONTAL BOBBIN WOUND FILTERS

Quality filtration and transparency of water

The AstralPool high performance, horizontal bobbin wound filters are made of polyester reinforced with fibre-glass; they are totally anti-corrosive, and have high mechanical, chemical and thermal resistance.

Higher quality water is achieved with their greater filtering capacity. Indexes of turbidity and contaminants of the filtered water are reduced due to their increased retention capacity.

The time between backwashes increases proportionally with the height of the filter bed, meaning there are fewer interruptions in filtration, and lower water consumption, because the number of backwashes needed is decreased and there is less erosion of the filtering material.

A horizontal filter is the ideal choice in cases where a great volume of water is to be treated, and in cases which require optimisation of the available space, as a single horizontal filter can substitute up to 3 vertical filters of the same diameter simply by increasing its length.



Collectors

Collection system with arms with 0.3 mm slots and uniformly distributed for correct circulation of the water.

PLEASE ASK THE SALES OFFICE FOR PRICES



AUTOMATIC MULTIPORT VALVES

Automatic multiport valves

The need for innovation in the swimming pool world has encouraged AstralPool to develop the VRAC System range: automatic multiport valves which can replace traditional manually operated valves.

With the innovative design and easy installation, these valves will allow the user to maintain the water in optimum conditions for swimming. The filtration system works daily under suitable conditions with filter backwashing whenever required.

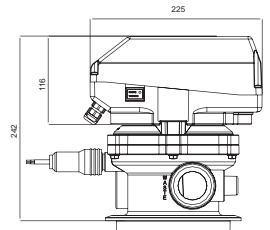
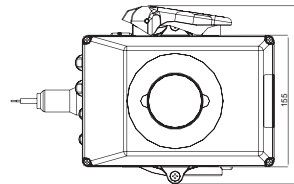
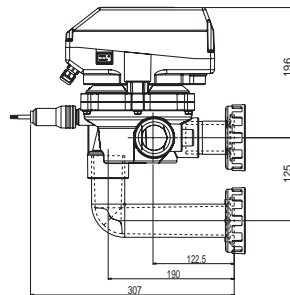
Automatic multiport valve System VRAC Flat 1 1/2"

Low-priced automatic multiport valve model that stands out for its easy operation. Voltage 230/115 volts. Controls filtration, backwashing, rinsing and emptying. We recommend the installation of safety valve 41898, 41899 or 41897.



Top
Lateral

Discount group	Code	Unit £
B	43512	964.00
B	43513	964.00



Fluidra Connect compatible

Basic VRAC III automatic switch valve system

New

New, improved automatic multiport valve run using a push button keyboard. Controls filtration, backwashing, rinsing, emptying, recirculation and shut-down.

- **Adaptable:** It can be fitted in all facilities with a filter, and is quick and easy to install.
- **Comfort:** With a simple programming using the keypad, you will receive fully automated filtration of your pool.
- **Hygiene:** To obtain optimal water quality for swimming, filtration runs every day, optimizing the wash cycles.
- **Safety:** The automatic valve continually monitors the filtration system, preventing potential breakdowns. New power surge protection. Spring coated to prevent rusting.
- Quick-read information via LED lights.

Basic 1 1/2" side mounted, Config. 3
Basic 2" side mounted, Config. 3

Discount group	Code	Unit £
B	70768	1,107.00
B	70769	1,231.00

A multiport safety valve (code 41898 or 41899) is recommended.

Hydraulic safety valve in the drain

The 1 1/2" hydraulic safety valve in the drain is specially designed for installation in the drain outlet of an automatic selector valve on a pool sand filter. Using it prevents water loss when the valve changes its working position or when the electricity flow fails and the valve remains in a position in which it could empty the pool. It is recommended in installations with SYSTEM VRAC multiport valves.



With 50 mm straight double connection
With 1 1/2" BSP double hose connection

Discount group	Code	Unit £
B	41898	161.00
B	41899	168.00

MANUAL MULTIPOINT VALVES

New generation - Manual multipoint valves which incorporate a bayonet closing system (replacing bolts). This eases dismantling for maintenance, and prevents rust. The range includes the 1½" and 2" versions, including a "Top Eco" version available in 1½".



1½" and 2" Multipoint valve with filter connections - New Generation

1½" multipoint valve configuration 3
2" multipoint valve configuration 3

Discount group	Code	Unit £
B	20569	111.00
B	28512	174.00



1½" and 2" multipoint valve. Top Config. - New Generation

Top 1½" Multipoint valve
Top 2" Multipoint valve

Discount group	Code	Unit £
B	20565	90.00
B	33968	162.00

Does not fit Aster Top Mount Filters.

Aster top mount valves

1 1/2" Aster top mount valve
2" Aster top mount valve

Discount group	Code	Unit £
B	31993	94.00
B	33969	164.00

MANUAL MULTIPORT VALVES

Classic - Manual multiport valves with six channels to carry out different functions in an hydraulic circuit. Its design and basic functioning offers a wide range of possibilities for connection to any installation, guaranteeing perfect water-tightness and comfortable handling.

1 1/2" and 2" multiport valve with filter connections - Classic



1 1/2" multiport valve- Configuration 3
 2" multiport valve- Configuration 3

Discount group	Code	Unit £
B	00599	151.00
B	07444	281.00

Magnum - Specially designed to support high working pressures and connections to large filters which require special connections. Choose from the models offered: 2 1/2" or 3" multiport valves.

2 1/2" multiport valve with filter connections - Magnum



Multiport valve with connections.
 Configuration 3

Discount group	Code	Unit £
B	24837	521.00

3" multiport valve - Magnum



Side mounted 6-way multiport valve for connecting to filters. Body and cover injected in ABS and fibreglass. Handle injected in ABS. Sealing system by stainless steel screws. Supplied with two plugs so that the customer can adapt the valve to the most suitable configuration.

Discount group	Code	Unit £
B	28515	820.00

VALVE BATTERIES

Valve batteries for one filter



Ø	Code	Description	Discount group	Code	Unit £
Manual Batteries - 4 Valves					
63	00747	Manual Battery 4 Val. D. 63	C	00747	487.00
75	00750	Manual Battery 4 Val. D. 75	C	00750	980.00
90	00755	Manual Battery 4 Val. D. 90	C	00755	1,199.00
110	00759	Manual Battery 4 Val. D.110	C	00759	1,369.00
125	00764	Manual Battery 4 Val. D.125	C	00764	1,661.00
140	00768	Manual Battery 4 Val. D.140	C	00768	1,881.00
160	09205	Manual Battery 4 Val. D.160	C	09205	2,384.00
200	09160	Manual Battery 4 Val. D.200	C	09160	3,836.00
225	09164	Manual Battery 4 Val. D.225	C	09164	4,267.00

Manual Batteries - 5 Valves					
63	00769	Manual Battery 5 Val. D. 63	C	00769	529.00
75	00771	Manual Battery 5 Val. D. 75	C	00771	1,148.00
90	00777	Manual Battery 5 Val. D. 90	C	00777	1,422.00
110	00781	Manual Battery 5 Val. D.110	C	00781	1,641.00
125	00786	Manual Battery 5 Val. D.125	C	00786	2,001.00
140	00790	Manual Battery 5 Val. D.140	C	00790	2,216.00
160	09177	Manual Battery 5 Val. D.160	C	09177	2,816.00
200	09180	Manual Battery 5 Val. D.200	C	09180	4,190.00
225	09185	Manual Battery 5 Val. D.225	C	09185	4,912.00

Valve batteries for two filters



			Discount group	Code	Unit £
Twin Manual Batteries - 5 Valves					
90	00819	Twin Battery for 1050mm Filters with 75 mm conns	C	00819	1,477.00
110	00823	Twin Battery for 1200mm Filters with 75 mm conns	C	00823	1,806.00
125	00828	Twin Battery for 1400mm Filters with 90 mm conns	C	00828	2,210.00
140	00831	Twin Battery for 1600mm Filters with 110 mm conns	C	00831	2,523.00
160	00835	Twin Battery for 1800mm Filters with 110 mm conns	C	00835	3,248.00
160	00836	Twin Battery for 2000mm Filters with 125 mm conns	C	00836	3,308.00
200	00842	Twin Battery for 2500mm Filters with 160 mm conns	C	00842	4,820.00
225	09198	Twin Battery for 2500mm Filters with 160 mm conns	C	09198	5,838.00

SUPPORTS FOR VALVE BATTERY



Valve batteries brackets



Easy assembly valve battery supports for all filter types from Ø 75 mm to Ø 225 mm. With height adjustable vertical support tubes in zinc-plated steel, together with box of accessories containing two support brackets with anti-vibration clamps and fixing screws.

Zinc-plated steel (1 bar)

Height 1.85 m

Height 2.30 m

Height 3.0 m

Box of accessories consisting of:

2 support brackets with anti-vibration clamps and fixing bolts

For Ø 75 mm pipe

For Ø 90 mm pipe

For Ø 110 mm pipe

For Ø 125 mm pipe

For Ø 140 mm pipe

For Ø 160 mm pipe

For Ø 200 mm pipe

For Ø 225 mm pipe

Discount group	Code	Unit £
C	28690	102.00
C	28691	126.00
C	28692	236.00
C	28693	80.00
C	28694	80.00
C	28695	80.00
C	28696	97.00
C	28697	97.00
C	28698	97.00
C	28699	128.00
C	28700	128.00



Wall brackets for valve manifold



For all filter type from Ø 63 mm pipe onwards. Consisting of zinc-plated steel support bracket with anti-vibration clamp and fixing screws. Supply: 1 vertical support with manifold bracket.

For Ø 75 mm pipe

For Ø 90 mm pipe

For Ø 110 mm pipe

For Ø 125 mm pipe

For Ø 140 mm pipe

For Ø 160 mm pipe

For Ø 200 mm pipe

For Ø 225 mm pipe

Discount group	Code	Unit £
C	00855	66.00
C	00856	68.00
C	00857	73.00
C	00858	77.00
C	00859	78.00
C	00860	80.00
C	00861	96.00
C	00862	102.00

AIR VENTS



Double effect air vent

Body in PP and fibreglass. Maximum pressure 16 kg/cm². Seal in nitrile rubber.

Ø 1"

Ø 2"

Discount group	Code	Unit £
B	09381	57.00
B	09382	129.00

Code	d	D (mm)	H (mm)	L (mm)
09381	1"	81	133	-
09382	2"	101	275	210



FILTRATION MEDIA



OC-1 filtering media



OC refers to Open Cell (open cell) and OC-1 is an open-cell mechanical filter that uses the open cell filtration technology to filter water with a high quality, with the potential of saving water and energy. The filtration medium is an extruded plastic compound that is composed of a high density polyethylene base filled with calcium carbonate added to provide a specific gravity higher than 1.12 g / cm³.

- Water saving: exclusive filtration method that reduces water consumption by more than 40%.
- Energy saving: great waste retention that collects 20 times the capacity of traditional filters of sand or glass, which results in less backwashing.
- Time saving: OC-1 reduces the frequency of washing to less than 1/3 of traditional media.
- The OC-1 media has been tested in accordance with the current European standard EN16713-1.

	Discount group	Code	Unit £
OC1- 50L	B	69752	157.00
OC1 - 20L	B	69753	71.00



Filtration sand



Supplied in 25 kg bags. Please ask for a quotation on quantities of a 1 tonne or more.

	Discount group	Code	Unit £
16/30 filtration sand	B	00596-1000	12.00
6 mm Gravel	B	11346	12.00



0.5 - 1.0 mm



1.0 - 3.0 mm



3.0 - 7.0 mm

Active Clear Glass



1. More efficient and ecological filtration.
2. Higher filtration capacity.
3. Water and energy savings.
4. Cleaner filter bed: no bacteria can get stuck and need less chemical use.

	Discount group	Code	Unit £
Active Clear Glass			
Grade 1: 1 mm - 0.5 mm	B	45307	17.00
Grade 2: 2 mm - 1 mm	B	45308	17.00
Grade 3: 7 mm - 3 mm	B	45309	17.00

Active Clear Glass comply with the regulation UNE EN 12902:2006.

PRESSURE GAUGE PANELS



Pressure gauge panels



Including air vents.

	Discount group	Code	Unit £
With pressure gauges 3 kg/cm ²	B	00729	177.00
With pressure gauges 6 kg/cm ²	B	00730	177.00

AIR BLOWERS



Now includes
Air Filters

Air blowers



Air pump designed for spas, baths, hydromassage installations and similar which produces a constant stream of air bubbles at medium and high air volume levels. It can also be used to stir up the filter bed, for example in back wash cycles where a low intensity air current is required. The filter casing and impeller are made from an injected aluminium alloy whilst the motor spindle is manufactured from stainless steel, with the impeller dynamically balanced and directly adapted to the spindle. The motors, single phase or 3 phase for continuous use, are made from steel in compliance with CEI 2/3 1988 regulations, and feature IP54 external protection and class-F insulation. The standard voltages are 100-120/200-240V for the monophase range and 200-240/380-440V for the triphase models, at 50/60Hz. The pumps can be mounted horizontally or vertically. Moreover, since there is no contact between the mobile parts and the pump static discharges, neither lubrication nor maintenance is necessary and is also doesn't cause wear on the parts. The turbines have a maximum working temperature of 40°C. Do not use in conjunction with aggressive, inflammable or explosive gases.

Please consult for technical variations.

Model	Phase	Flow (m ³ /h)	Max. Pressure (mbar)	Electrical supply (V)	Sound level (dB)	Code	Discount group	Unit £
Blower 0.85 kW	1	145	160	230	63	35388-2450	D	617.00
Blower 0.85 kW	3	145	160	Δ 220-240 Y 345-415	63	35387-2450	D	617.00
Blower 1.3 kW	1	210	160	230	64	31090-2450	D	732.00
Blower 1.3 kW	3	210	170	Δ 200-240 Y 345-415	64	31091-2450	D	732.00
Blower 1.5 kW	1	210	200	230	64	33971-2450	D	838.00
Blower 1.6 kW	3	210	190	Δ 200-240 Y 345-415	64	31092-2450	D	800.00
Blower 1.6 kW 2V	3	150	280	Δ 200-240 Y 345-415	66	35389-2450	D	957.00
Blower 2.2 kW	3	190	200	Δ 200-240 Y 345-415	69	31093-2450	D	990.00
Blower 3.4 kW 2V	3	230	410	Δ 200-240 Y 345-415	72	31094-2450	D	1,408.00
Blower 3.0 kW	3	318	290	Δ 200-240 Y 345-415	69	31095-2450	D	1,110.00
Blower 4.3 kW 2V	3	320	380	Δ 345-415 Y 600-720	73	31096-2450	D	1,828.00
Blower 5.5 kW	3	530	300	Δ 345-415 Y 600-720	70	31097-2450	D	2,417.00
Blower 5.5 kW 2V	3	320	500	Δ 345-415 Y 600-720	73	33972-2450	D	2,233.00
Blower 7.5 kW	3	530	430	Δ 345-415 Y 600-720	70	31098-2450	D	2,611.00
Blower 11 kW 2V	3	520	600	Δ 345-415 Y 600-720	74	33973-2450	D	4,224.00
Blower 12.5 kW	3	1050	270	Δ 345-415 Y 600-720	74	33974-2450	D	5,188.00

Airblowers with 2V after description = side entry.

FILTER ACCESSORIES FOR 3/4" ARMS



PVC Lateral hub

8 arms. Internal 50 mm, external 63 mm
12 arms. Internal 63 mm, external 75 mm

Discount group	Code	Unit £
A	00624	12.50
A	00625	19.00

FILTER ACCESSORIES FOR 3/4" ARMS

3/4" Laterals



With 0.3 mm slots.

- Length 225 mm
- Length 160 mm
- Length 110 mm
- Length 100 mm extension
- 3/4" union

Discount group	Code	Unit £
A	00626	1.85
A	00627	1.85
A	00628	1.75
A	00629	1.75
A	00630	2.10

FILTER ACCESSORIES FOR 1" ARMS

PVC Lateral hub



- 8 arms. Internal 50 mm, external 63 mm
- 12 arms. Internal 63 mm, external 70 mm

Discount group	Code	Unit £
A	06433	17.00
A	06434	18.20

1" Laterals



With 0.3 mm slots.

- Length 225 mm
- Length 175 mm
- Length 110 mm
- Length 100 mm extension
- 1" union

Discount group	Code	Unit £
A	06435	1.90
A	06436	1.90
A	06437	1.85
A	06438	1.85
A	06439	1.15

FILTER ACCESSORIES FOR 1 1/2" ARMS

1 1/2" LATERALS ARE SOLD IN PACKS OF 2

Filter accessories for 1 1/2" arms

1 1/2" Laterals for Vic & Praga filters manufactured from 2007.

Discount group	Code	Unit £
A	4404160818	11.00
A	4404160819	15.00
A	4404160820	17.20
A	4404160821	17.20
A	4404160822	21.30
A	4404160823	21.30
A	4404160824	25.50
A	4404160825	27.00
A	4404160826	29.00



FILTRATION PUMPS

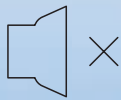
- 113 • Variable speed pumps
- 114 • Self-priming pumps
- 116 • Centrifugal pumps
- 123 • Strainers
- 124 • Control boxes
- 126 • Countercurrent swimming equipment

VICTORIA PLUS VARIABLE SPEED

ASTRALPOOL 

Shhhhh... Relax and enjoy
the silence of your pool

A NEW GENERATION OF
FILTRATION PUMPS



Silent

At just 45 dB, it is amongst the
most silent pumps in the market



Savings

A variable speed pump that
could see you save as 900€
in power consumption



Fluidra Connect connectivity

Download the app and program it
from your mobile phone or tablet



User-friendly display

Easy to use and program
with the added bonus that
it can be installed on a wall



Easy to replace

Compatible with all earlier
Victoria models by AstralPool



Reliability

Cutting-edge engineering
tested for a long, problem-free
service life



FLUIDRA

www.astralpool.com



Further information in PRODUCTS
www.astralpool.com

VICTORIA PLUS SILENT VS



Fluidra Connect compatible

VARIABLE SPEED PUMPS

Victoria Plus VS pump



The Victoria Plus Silent pump for residential pools comes with a 1 hp or 2 hp motor, has variable speeds and can be automatically controlled.

This pump has been designed for both new-build pools and as a replacement for pumps already fitted.

Significant power savings can be made thanks to the use of variable speeds and the timer.

The pump is compatible with the Fluidra Connect platform.

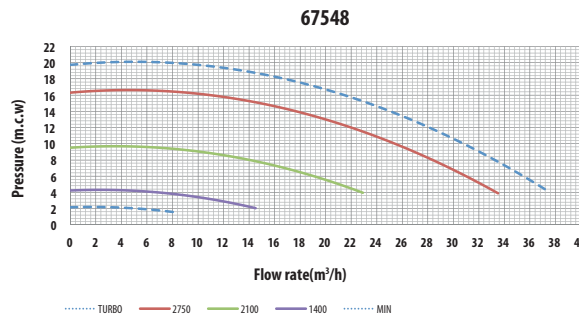
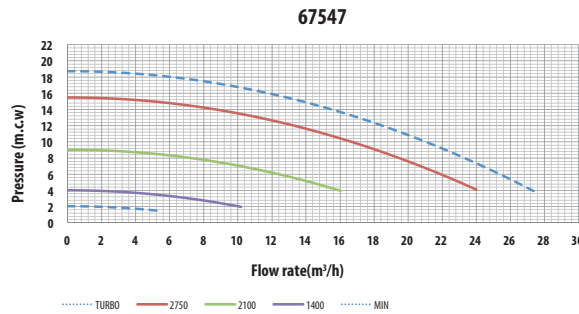
It has a built-in HIM controller with the possibility of mounting it on a wall for better usability.

Bathers experience a greater feeling of well-being due to the reduced noise level.

There are digital inputs and outputs for the smooth running of all pool units, such as the salt chlorinator and heat pump. It includes a power factor correction function for reducing current flow. It does not require an external power pack for Fluidra Connect.

Victoria Plus Silent VS pump - 1 hp
Victoria Plus Silent VS pump - 2 hp

Discount group	Code	Unit £
E	67547	1,465.00
E	67548	2,006.00



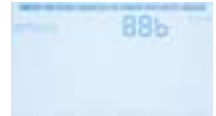
Menu-driven adjustments and settings



Intuitive weekly timer settings



Pre-set and adjustable speeds



Power consumption and savings display

Technical features:

	67547			67548		
	LOW	MEDIUM	HIGH	LOW	MEDIUM	HIGH
Speed (rpm)	1400	2100	2750	1400	2100	2750
Voltage (V)	220-240	220-240	220-240	220-240	220-240	220-240
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
Power (W)	170	470	1030	258	750	1560
Current (A)	1	2.2	4.5	1.4	3.4	7.1
Flow rate (m³/h)	8.2	12.4	16.7	11.1	18.8	25.5
Pressure (m)	2.7	6.1	10	3.2	6.2	10
Efficiency (l/Wh)	48.3	26.4	16.2	43	25	16.3
Max. working pressure (m)	4	9	15.5	4	9.4	16.3
Noise (dB)	45	53	61	51	58	66

Installation and control:



HMI control system on pump



HMI control system on wall

SELF-PRIMING PUMPS

Victoria Plus New Generation pump



Pumps are dual connection
2" female thread or
to take conventional unions

A self-priming pump with single-phase and three-phase motors of 1/2 to 3 HP. A prefilter is mounted on the body of the pump to prevent foreign bodies from entering it that may damage its hydraulic parts. The motors supplied come with an IP-55 protection rating and have been prepared to withstand hot environments and high levels of humidity. The main characteristics of Victoria Plus New Generation are:

- Low noise level: between 61 dBA–70 dBA.
- Easy to use: Prefilter cap with 2 levers included (no spanner needed).
- Compatibility: Fully compatible in pools fitted with a Victoria Plus pump.

Larger front bearing for improved axial thrust.

10,000 l/h 0.43 kW (1/2 HP) 230 V II
10,000 l/h 0.43 kW (1/2 HP) 230/400 V III
11,000 l/h 0.61 kW (3/4 HP) 230 V II
11,000 l/h 0.60 kW (3/4 HP) 230/400 V III
16,000 l/h 0.78 kW (1 HP) 230 V II
16,000 l/h 0.76 kW (1 HP) 230/400 V III
21,500 l/h 1.10 kW (1.5 HP) 230 V II
21,500 l/h 1.10 kW (1.5 HP) 230/400 V III
26,000 l/h 1.46 kW (2 HP) 230 V II
26,000 l/h 1.46 kW (2 HP) 230/400 V III
34,000 l/h 2.20 kW (3 HP) 230 V II
34,000 l/h 2.20 kW (3 HP) 230/400 V III

Discount group	Code	Unit £
E	65557	593.00
E	65558	567.00
E	65560	597.00
E	65561	584.00
E	65562	619.00
E	65563	604.00
E	65564	696.00
E	65565	671.00
E	65566	708.00
E	65567	693.00
E	65569	781.00
E	65570	781.00

Sena pump



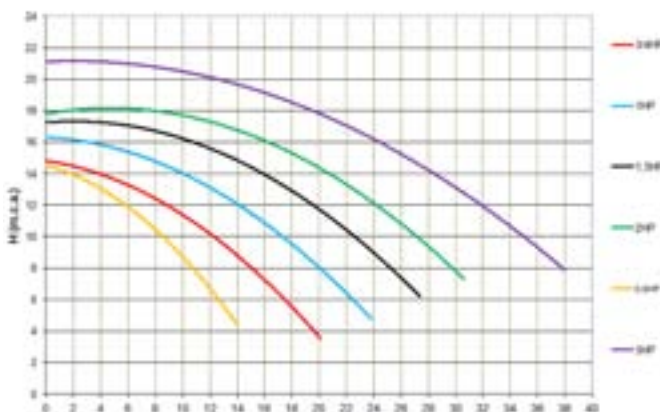
From a new generation of pump ranges. Certified to EN-60335-2-41:1996. GS marking. Motor protection IP-55. All parts in contact with water in AISI-316. Flow rates given at 8 m head for 1/3 HP, 8 m head for 1/2 HP, and 10 m head for the rest of the range.

7,000 l/h. 1/3 HP. 230 V II
7,800 l/h. 1/2 HP. 230 V II
10,400 l/h. 3/4 HP. 230 V II
10,400 l/h. 3/4 HP. 230/400 V III
12,800 l/h. 1 HP. 230 V II
12,800 l/h. 1 HP. 230/400 V III

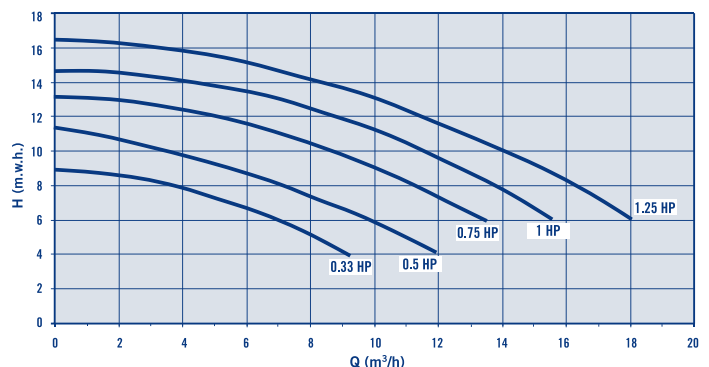
Discount group	Code	Unit £
E	25461	434.00
E	25462	448.00
E	25463	469.00
E	25464	469.00
E	25465	482.00
E	25466	482.00

These pumps are not suitable for salt water applications. Please select from our range of Blaufish pumps which are designed for salt water.
Union connections available in metric or imperial. (Please specify when ordering)

Performance curves Victoria Plus New Generation pumps



Performance curves Sena pumps



SELF-PRIMING PUMPS

FOR SALT WATER USE



Union connections available in metric or imperial. (Please specify when ordering)

Nautilus salt water pumps

Designed for facilities with large amounts of suspended particles, ozone treatments and salt water. Mechanical seals in AISI 316 stainless steel and silicon carbon. Low noise levels due to rubber supports. Motor protection IP-55 GS labelled. 4 litres capacity strainer basket with transparent lid. Flow rate given at 10 m head.

	Discount group	Code	Unit £
5,000 l/h, 0.37 kW (1/3 HP) 230 V II	E	25480	800.00
7,500 l/h, 0.37 kW (1/2 HP) 230 V II	E	25481	800.00
7,500 l/h, 0.37 kW (1/2 HP) 230/400 V III	E	25482	764.00
11,000 l/h, 0.61 kW (3/4 HP) 230 V II	E	25483	804.00
11,000 l/h, 0.60 kW (3/4 HP) 230/400 V III	E	25484	787.00
16,000 l/h, 0.78 kW (1 HP) 230 V II	E	25485	834.00
16,000 l/h, 0.76 kW (1 HP) 230/400 V III	E	25486	814.00
21,000 l/h, 1.10 kW (1 1/2 HP) 230 V	E	25487	938.00
21,000 l/h, 1.10 kW (1 1/2 HP) 230/400 V III	E	25488	904.00
26,000 l/h, 1.50 kW (2 HP) 230 V II	E	25489	954.00
26,000 l/h, 1.46 kW (2 HP) 230/400 V III	E	25490	933.00
34,000 l/h, 2.20 kW (3 HP) 230 V	E	25491	1,052.00
34,000 l/h, 2.20 kW (3 HP) 230/400 V III	E	25492	1,052.00

Colusa pump



New



The Colusa pump delivers highly efficient hydraulic performance. It has been designed to be silent, long-lasting and reliable.

The pumps are self-priming from 1/2 hp to 3 hp and are supplied with 3,000 rpm single-phase and three-phase motors. Silent, the new hydraulic design has an extremely low noise level. A prefilter is mounted on the body of the pump to prevent foreign bodies from entering it that may damage its hydraulic parts. This prefilter has a wing nut and a transparent cover that makes maintenance work easier.

Flow rates in l/h at 8 mwc for 1/2 hp, 10 mwc for 1 and 1.5 hp, 12 mwc for 2 hp and 14 mwc for 3 hp.

	Discount group	Code	Unit £
10,000 l/h 0.4 kW (1/2 HP) 230 V II	E	70574	341.00
13,000 l/h 0.5 kW (3/4 HP) 230 V II	E	70575	345.00
16,000 l/h 0.7 kW (1 HP) 230 V II	E	70576	355.00
16,000 l/h 0.7 kW (1 HP) 230/400 V III	E	70577	359.00
21,000 l/h 1.1 kW (1.5 HP) 230 V II	E	70578	445.00
21,000 l/h 1.1 kW (1.5 HP) 230/400 V III	E	70579	453.00
23,000 l/h 1.5 kW (2 HP) 230 V II	E	70580	454.00
23,000 l/h 1.5 kW (2 HP) 230/400 V III	E	70581	477.00
27,000 l/h 2.2 kW (3 HP) 230 V II	E	70582	506.00
27,000 l/h 2.2 kW (3 HP) 230/400 V III	E	70583	501.00



Boise pump



New



The Boise pump is designed to work under a vast range of conditions. Whatever the pool type, it always delivers the required flow rate and pressure.

The Boise pump is built for ease of handling. It has a see-through lid for easy inspection and a large strainer to extend time between cleanings.

The motor materials are rustproof; the motor shaft is made from stainless steel and the sealed bearings never need lubrication. The thermoplastic housing withstands extreme heat and corrosion.

Flow rates in l/h at 6 mwc for 0.33 HP, 8 mwc for 0.5 HP, 10mwc for 0.75 HP and 12 mwc for rest of range.

	Discount group	Code	Unit £
8,500 l/h 0.23 kW (1/3 HP) 230 V II	E	71671	275.00
10,500 l/h 0.38 kW (1/2 HP) 230 V II	E	71672	291.00
10,300 l/h 0.52 kW (3/4 HP) 230 V II	E	71673	352.00
10,500 l/h 0.71 kW (1 HP) 230 V II	E	71674	354.00
13,900 l/h 0.82 kW (1,25 HP) 230 V II	E	71675	367.00



CENTRIFUGAL PUMPS



Maxim pump 2860 rpm



Pump body and support in heat resistant plastic. S.S. motor shaft of AISI-316 with double insulation and with IP-55 motor protection. 8 litre capacity strainer, with transparent lid. Double protected shaft with IP-54 motor, 3" or 90 mm union connections. Please specify metric or imperial when ordering.

Maxim pump 3.5 HP
 Maxim pump 4.5 HP
 Maxim pump 5.5 HP

Discount group	Code	Unit £
F	08003	1,738.00
F	08004	1,878.00
F	08005	1,892.00



Code	Power	Connection	Voltage	m.w.h.					
				8	10	12	14	16	19.5
				m³/h					
08003	3.5 HP	3" thread union	230/400 V III	56	50	42	34	23	0
08004	4.5 HP		230/400 V III	74	66	57	46	30	0
08005	5.5 HP		230/400 V III	88	78	67	53	34	0

These pumps are not suitable for salt water applications. Please select from our range of Blaufish pumps which are designed for salt water.

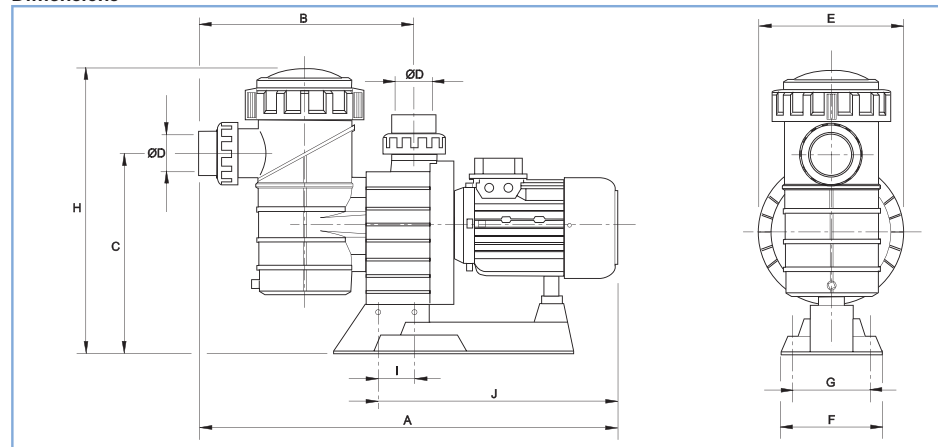
230 V valid for voltages between 220 & 240 V

400 V valid for voltages between 380 & 420 V

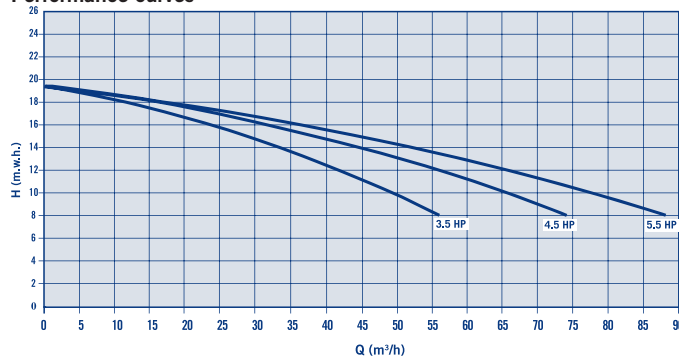
690 V valid for voltages between 660 & 720 V

400/690 Star / Delta

Dimensions



Performance curves



Technical features

Model	Type	Volts	A mm	B mm	C mm	Ø D mm	E mm	F mm	G mm	H mm	I mm	J mm
08003	3.5	230/400	815	430	385	90	287	200	140	530	65	468
08004	4.5	230/400	815	430	385	90	287	200	140	530	65	468
08005	5.5	230/400	847	430	385	90	287	200	140	530	65	500

FOR SALT WATER USE

CENTRIFUGAL PUMPS

Shark salt water pump



Designed for aquaculture and aquarium facilities with salt water, ozone treatment and suspended particles. Mechanical seals in AISI 316 stainless steel and silicon carbon. Motor axis in AISI-420 S.S. With double insulation. Low noise levels due to rubber supports. Motor protection IP-55 labelled. 8 litres capacity strainer basket with transparent lid. Self priming below 2 m. Without foot valve. Flow rates given at 10 m head. 90 mm connections.

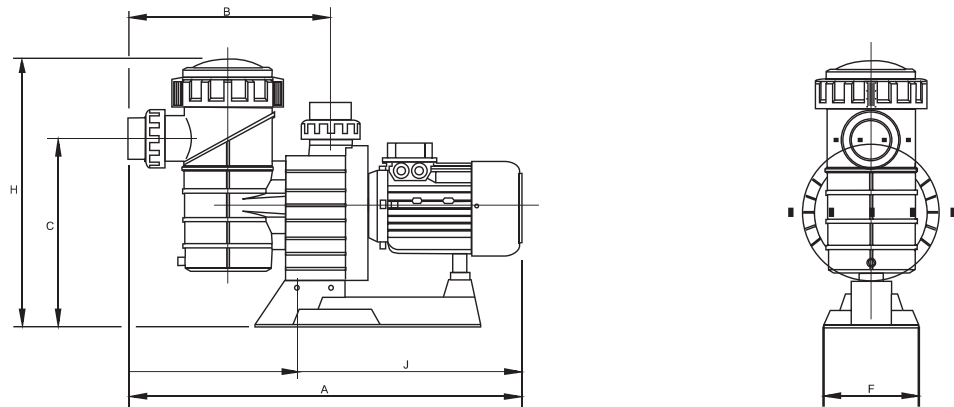
58,000 l/h, 2.65 kW (3.5 HP) 230/400 V III
 72,000 l/h, 3.3 kW (4.5 HP) 230/400 V III
 90,000 l/h, 4.0 kW (5.5 HP) 230/400 V III

Discount group	Code	Unit £
F	25493	2,193.00
F	25494	2,374.00
F	25495	2,382.00

Pump comes with 90 mm connections, solvent 3" unions can be supplied if requested at time of ordering.

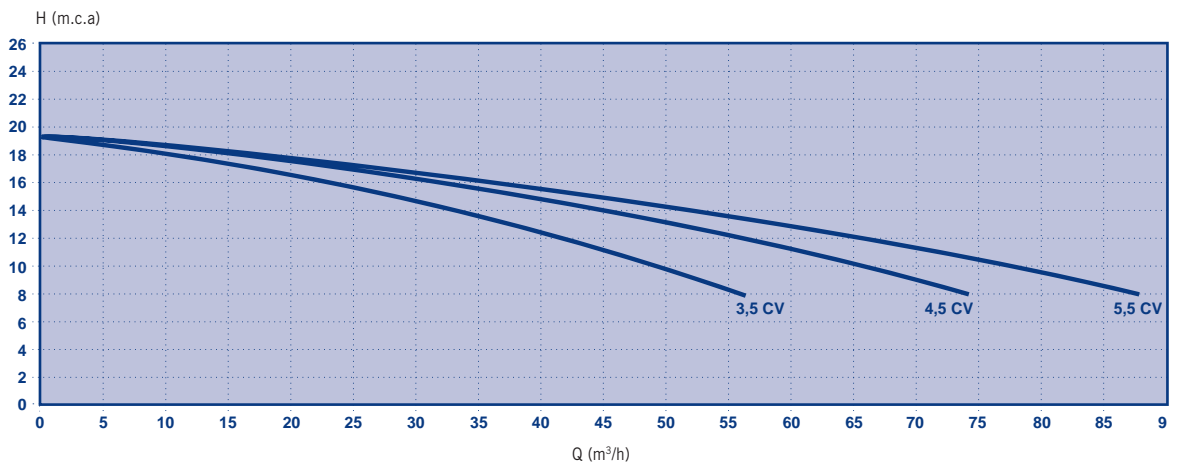


Dimensions



Code	Model	Connections suction impulsion Inches	Power KW	Flow at 10 m m ³ /h	A mm	B mm	C mm	F mm	H mm	J mm
25493	3	3"	2,65 5	8	815	430	385	200	530	468
25494	4		3,3 7	2	815	430	385	200	530	468
25495	5		4,0 9	0	847	430	385	200	530	500

Performance curves



FOR SALT WATER USE

SELF-PRIMING PUMPS



Kivu Pump

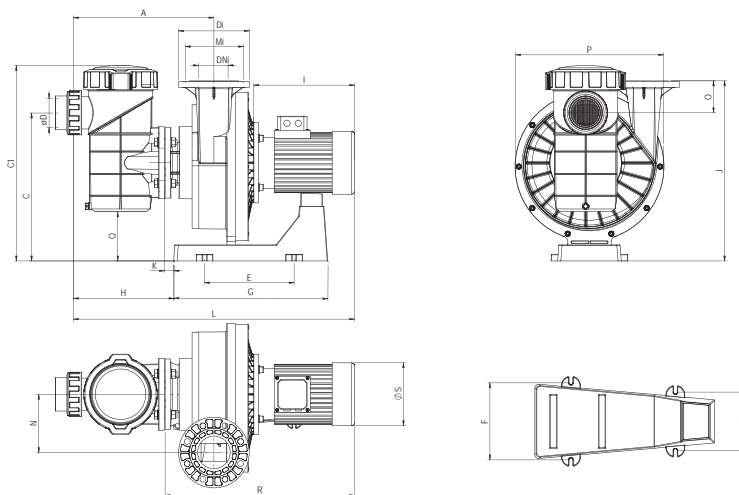
- High performance plastic self-priming pump for high flow rates (1500 rpm).
- 3 power modes: 3 HP, 4 HP and 5.5 HP.
- Low sound level: as low as 59 dBA.
- Hydraulic efficiency without prefilter 78% (as per ISO 9906 standard).
- High quality mechanical seal for salt water.
- IEC high efficiency motors (IE3).
- Standard motor shaft (compatibility with any pump manufacturer).
- Product with GS marking.
- Pump comes with pre-filter (in 2 packages: pump + prefilter).



AstralPool
Toolbox app for
IOS and Android

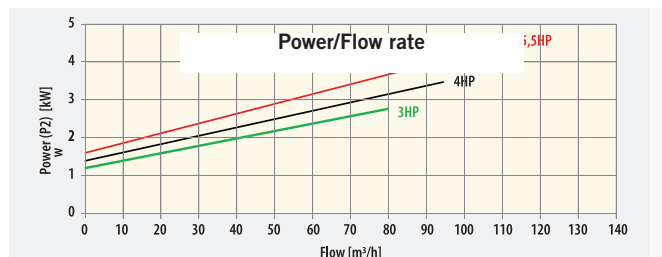
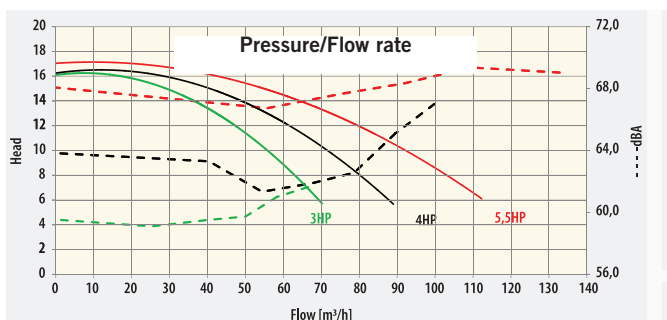
Discount group	Code	Unit £
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Kivu 3 HP 400/690V 50Hz + prefilter	F	63042	2,816.00
Kivu 4 HP 400/690V 50Hz + prefilter	F	63043	2,986.00
Kivu 5.5 HP 400/690V 50Hz + prefilter	F	63044	3,416.00



Code	Power	A	D	DI	DNi	C	C1	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	Ma	Mi
	HP	mm																					
63042	3	440	90	220	100 - 4"	462	610	279	206	480	313	320	561	29,5	882	157	181,5	100	460	154	590	-	180
63043	4	440	90	220	100 - 4"	462	610	279	206	480	313	320	561	29,5	882	157	181,5	100	460	154	590	-	180
63044	5,5	440	90	220	100 - 4"	462	610	279	206	480	313	345	561	156	906	157	181,5	100	460	154	621	-	180

Graph showing performance of pumps without prefilter



FOR SALT WATER USE

CENTRIFUGAL PUMPS

Kivu Pump



Kivu Pump

- High performance plastic centrifugal pump for public pools that works at 1500 rpm.
- 3 power modes: 7.5 HP, 10 HP and 15 HP.
- Low sound level: as low as 66 dBA.
- Hydraulic efficiency without prefilter 85% (9906 ISO standard).
- High quality mechanical seal for salt water.
- IEC high efficiency motors (IE3).
- Standard motor shaft (compatibility with any pump manufacturer).
- Product with GS marking.
- Pump comes with pre-filter (in 2 packages: pump + prefilter).



Kivu pump Side view

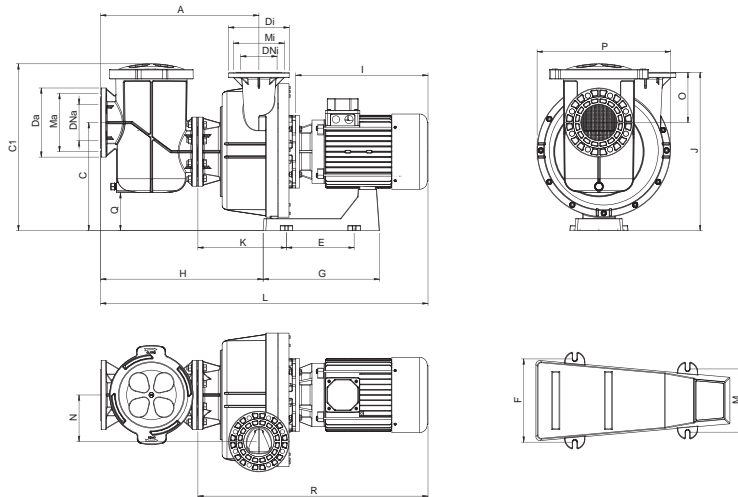


AstralPool Toolbox app for IOS and Android

- Kivu 7.5 HP 400/690 V 50Hz + prefilter
- Kivu 10 HP 400/690 V 50Hz + prefilter
- Kivu 15 HP 400/690 V 50Hz + prefilter

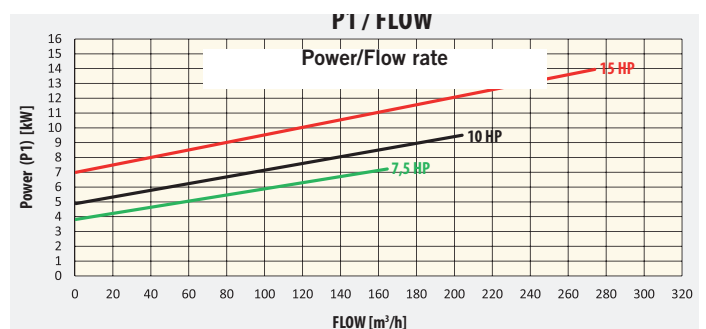
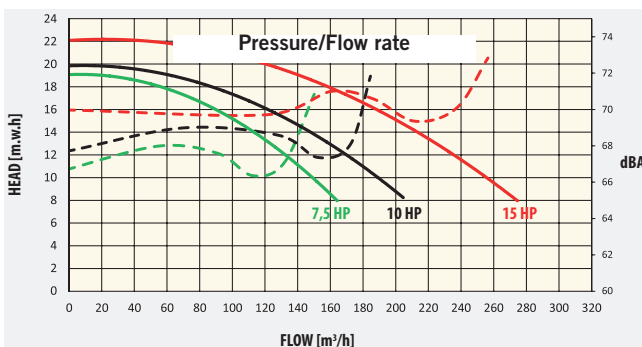
Discount group	Code	Unit £
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F	56634	5,090.00
F	56637	6,726.00
F	56639	8,180.00



Code	Power HP	A	DA	DI	DNA	DNi	C	C1	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	Ma	Mi
		mm																						
56634	7.5	653	285	250	150 - 6"	125 - 5"	446	688	279	206	290	540	410	653	141	1215	157	192	208	550	157	815	240	210
56637	10	653	285	250	150 - 6"	125 - 5"	446	688	279	206	290	540	445	653	141	1250	157	192	208	550	157	850	240	210
56639	15	653	285	250	150 - 6"	125 - 5"	446	688	279	206	290	670	510	653	271	1315	157	192	208	550	157	915	240	210

Graph showing performance of pumps without refilter



Possibility of placing orders with the following variations:
 - bronze turbine
 - stainless steel turbine (AISI 316-L).
 - Viton mechanical seals.



IE3 version: The same codes with suffix -320

CENTRIFUGAL PUMPS

Colorado pump with prefilter



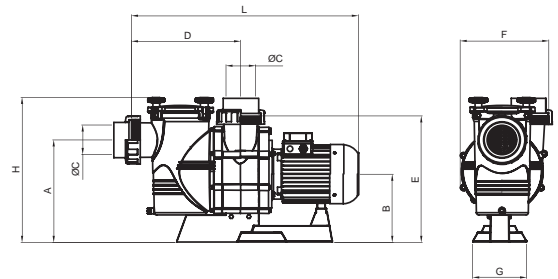
3000 rpm plastic centrifugal electric pumps with prefilter for pools, perfect for large, low-pressure flow rates. Prefilter with transparent lid and wishbone closure; easy access. Pump bodies and prefilter manufactured in fibreglass-reinforced polypropylene. Plastic turbine. Pump shaft and prefilter basket in stainless steel. IE2 motors with 3000 rpm IP-55 protection at 230/400 V or 400/690 V and 50 Hz. From 4 HP to 12.5 HP.

- 4 HP. 230/400 V
- 5.5 HP. 230/400 V
- 7.5 HP. 230/400 V
- 7.5 HP. 400/690 V
- 10 HP. 230/400 V
- 10 HP. 400/690 V
- 12.5 HP. 230/400 V
- 12.5 HP. 400/690 V

Discount group	Code	Unit £
----------------	------	--------

F	44706-120	1,337.00
F	44707-120	1,606.00
F	44708-120	1,689.00
F	44709-120	1,689.00
F	44710-120	1,877.00
F	44711-120	1,877.00
F	44712-120	2,482.00
F	44713-120	2,482.00

Code	VOLTAGE (V)	POWER		DIMENSIONS (mm)								
		kW	HP	A	B	ØC	D	E	F	G	H	L
44706-120	230/400	2,9	4	375	255	90	405	470	330	200	535	820
44707-120	230/400	4	5,5	375	255	110	405	470	330	200	535	840
44708-120	230/400	5,5	7,5	375	255	110	405	470	330	200	535	840
44709-120	400/690											
44712-120	230/400	7,4	10	375	255	110	405	470	330	200	535	910
44711-120	400/690											
44712-120	230/400											
44713-120	400/690	9,2	12,5	375	255	110	405	470	330	200	535	955



IE3 version: The same codes with suffix -320

Colorado pump without prefilter



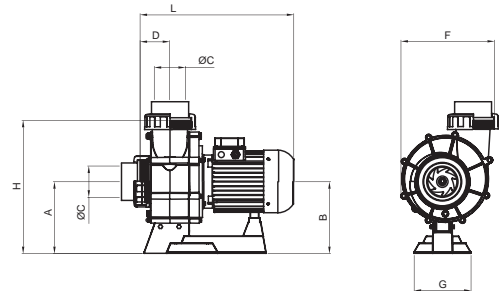
3000 rpm plastic centrifugal electric pumps with no prefilter for pools, perfect for large, low-pressure flow rates. Pump bodies manufactured in fibreglass-reinforced polypropylene. Plastic turbine. Stainless steel pump shaft. IE2 motors with 3000 rpm IP-55 protection at 230/400 V or 400/690 V and 50Hz. From 7.5 HP to 12.5 HP.

- 4 HP. 230/400 V
- 4 HP. 230/400 V
- 7.5 HP. 230/400 V
- 7.5 HP. 400/690 V
- 10 HP. 230/400 V
- 10 HP. 400/690 V
- 12.5 HP. 230/400 V
- 12.5 HP. 400/690 V

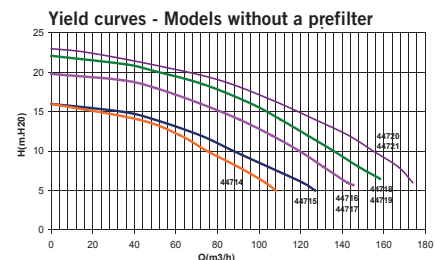
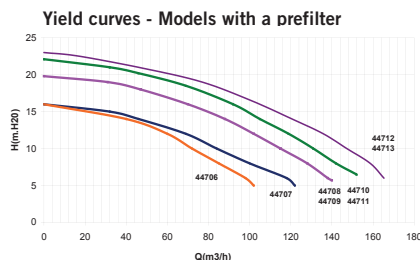
Discount group	Code	Unit £
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F	44714-120	1,126.00
F	44715-120	1,395.00
F	44716-120	1,478.00
F	44717-120	1,478.00
F	44718-120	1,670.00
F	44719-120	1,670.00
F	44720-120	2,271.00
F	44721-120	2,271.00

Code	VOLTAGE (V)	POWER		DIMENSIONS (mm)								
		kW	HP	A	B	ØC	D	F	G	H	L	
44714-120	230/400	2,9	4	255	255	90	105	330	200	470	510	
44715-120	230/400	4	5,5	355	355	110	105	330	200	470	530	
44716-120	230/400	5,5	7,5	255	255	110	105	330	200	470	530	
44717-120	400/690											
44718-120	230/400	7,4	10	255	255	110	105	330	200	470	600	
44719-120	400/690											
44720-120	230/400											
44721-120	400/690	9,2	12,5	255	255	110	105	330	200	470	645	



Available in power modes from 4 to 12.5 HP.



CENTRIFUGAL PUMPS

Aral C-3000 pump



Made in cast iron. Mechanical seal in stainless steel. IP-54 motor protection. Stainless steel AISI-316 shaft. With stainless steel AISI-304 strainer basket. 3000 rpm. Connections PN 16 according to DIN 2501.

- Aral C-3000 3 HP
- Aral C-3000 4 HP
- Aral C-3000 5.5 HP Connection DN 80-3"
- Aral C-3000 5.5 HP Connection DN 100-4"
- Aral C-3000 7.5 HP
- Aral C-3000 10 HP
- Aral C-3000 12.5 HP
- Aral C-3000 15 HP



Discount group	Code	Unit £
F	01193	2,727.00
F	01195	3,043.00
F	01197	3,592.00
F	01199	3,916.00
F	01201	4,277.00
F	01203	4,504.00
F	01205	4,779.00
F	01207	5,274.00

Code	Power	Connection	Voltage	m.w.h.					
				8	10	12	14	16	20
				m³/h					
09193	2.20 kW (3 HP)	DN 90-3"	230/400 V III	59	54	46	40	30	0
01195	2.95 kW (4 HP)	DN 80-3"	400/690 V III	67	61	55	48	40	0
01197	4.00 kW (5.5 HP)	DN 80-3"	400/690 V III	78	72	66	60	52	0
01199	4.00 kW (5.5 HP)	DN 100-4"	400/690 V III	100	89	70	60	48	0
01201	5.50 kW (7.5 HP)	DN 100-4"	400/690 V III	126	115	100	80	60	0
01203	7.50 kW (10 HP)	DN 100-4"	400/690 V III	145	140	123	107	86	0
01205	8.70 kW (12.5 HP)	DN 125-5"	400/690 V III	165	158	149	135	115	0
01207	11.04 kW (15 HP)	DN 125-5"	400/690 V III	195	190	175	160	140	0

Aral C-1500 pump



Made in cast iron. Mechanical seal in stainless steel. IP-54 motor protection. Stainless steel AISI- 316 shaft. With stainless steel AISI-304 strainer basket. Connections PN 16 according to DIN 2501. 1,450 rpm.

- Aral C-1500 4 HP
- Aral C-1500 5.5 HP
- Aral C-1500 7.5 HP
- Aral C-1500 10 HP
- Aral C-1500 12.5 HP
- Aral C-1500 20 HP
- Aral C-1500 25 HP



Discount group	Code	Unit £
F	01210	3,504.00
F	01212	4,671.00
F	01216	5,221.00
F	01218	5,400.00
F	01220	6,758.00
F	01224-1800	11,955.00
F	01226-1800	14,837.00

Code	Power	Suction Connection	Discharge Connection	Voltage	m.w.h.					
					10	12	14	16	18	20
					m³/h					
01210	3.00 kW (4 HP)	DN 80-3"	DN 65-2½"	400/690 V III	68	60	45	0	0	0
01212	4.00 kW (5.5 HP)	DN 80-3"	DN 65-2½"	400/690 V III	88	80	70	58	0	0
01216	5.50 kW (7.5 HP)	DN 100-4"	DN 80-3"	400/690 V III	115	101	87	70	0	0
01218	7.50 kW (10 HP)	DN 100-4"	DN 80-3"	400/690 V III	150	140	125	115	NA	0
01220	9.20 kW (12.5 HP)	DN 125-5"	DN 100-4"	400/690 V III	192	175	155	130	NA	0

CENTRIFUGAL PUMPS

Strainer in polypropylene and fibreglass



Flanges drilled according to DIN-2501 Standard. Supplied with 3 piece coupling at the inlet. 8 litre capacity. Inlet size: Ø 90 mm and outlet Ø 110 mm.

Discount group	Code	Unit £
F	09879	309.00

Aral strainers



Housing and cover in cast iron. AISI-304 Stainless Steel Strainer basket. Flange connections are manufactured in accordance with DIN-2501 Standard. Maximum working pressure 2.5 bar.



Aral 11 l

11l Capacity

Flanges DN 65 (2½") DN 65 (2½")
 Flanges DN 100 (4") DN 100 (4")
 Flanges DN 125 (5") DN 125 (5")
 Flanges DN 80 (3") DN 65 (2½")
 Flanges DN100 (4") DN 80 (3")
 Flanges DN 125 (5") DN 100 (4")

Discount group	Code	Unit £
F	20026	778.00
F	20029	885.00
F	20030	912.00
F	20031	791.00
F	20032	885.00
F	20033	912.00

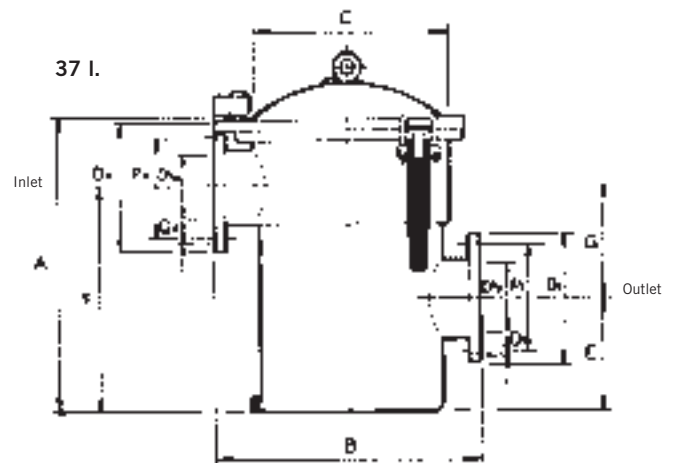
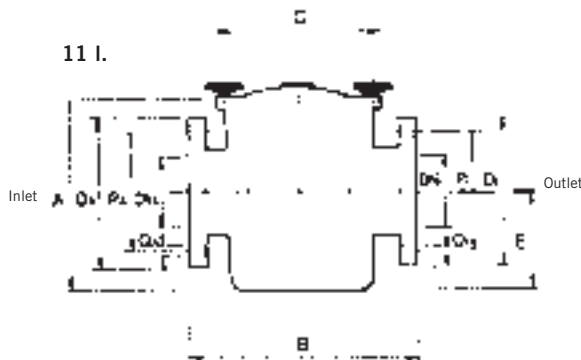


Aral 37 l

37l Capacity

Flanges DN 150 (6") DN 150 (6")

F	01268	2,703.00
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Code	Capacity	Inlet Connection						Outlet Connection				Dimensions (mm)					
		DA (mm)	DNA	PA (mm)	QA		Di (mm)	DNi	Pi (mm)	Qi		A	B	C	E	F	G
Aral	l				N°	Ø (mm)				N°	Ø (mm)						
20026	11	185	65-2½"	145	4	18	185	65-2½"	145	4	18	315	392	295	159	-	-
20029	11	220	100-4"	180	8	18	220	100-4"	180	8	18	315	392	295	159	-	-
20030	11	250	125-5"	210	8	18	250	125-5"	210	8	18	315	392	295	159	-	-
20031	11	200	80-3"	160	8	18	185	65-2½"	145	4	18	315	392	295	159	-	-
20032	11	220	100-4"	180	8	18	200	80-3"	160	8	18	315	392	295	159	-	-
20033	11	250	125-5"	210	8	18	220	100-4"	180	8	18	315	392	295	159	-	-
01268	37	285	150-6"	240	8	22	285	150-6"	240	8	22	649	600	542	250	507	257

STRAINERS



Control boxes

IP-65 protection. Glass panel with lock and key. All units are compatible with:

- 220/240V 1-phase (P+N+T) 50Hz/60Hz
- 380/415V 3-phase (3P+N+T) 50Hz/60Hz
- 220/230V 3-phase (3P+T) 50Hz/60Hz

24h programming clock with hourly programming. Connection for remote control of pump (on/off,...) and for auxiliary equipment (cold detector, level control...).

All products supplied with:

- Electrical diagram
- Connection diagram
- Instructions for installation
- CE conformity certificate
- Stuffing box at every cable entrance
- Screws and plugs (4) for fixing to wall

The control box model should be selected according to the nominal voltage of the pump:

Type	Intensity range	Power Range 1-phase 230V	Power Range 3-phases 400V	Power Range 3-phases 230V
A	1.6A - 2.5A	1/4 HP	3/4 HP - 1 HP	1/2 HP
B	2.5A - 4A	1/2 HP	1.5 HP - 2 HP	3/4 HP - 1 HP
C	4A - 6.3A	3/4 HP - 1 HP	3 HP*	1.5 HP
D	6A - 10A	1.5 HP	4 HP**	2 HP - 3 HP

* Also 3.5 hp 400V 3~ in plastic (code 08003)

** Also 4.5 and 5.5 hp 400 V 3~ in plastic (codes 08004, 08005)



Control box for pump overload protection

Thermal overload protection (1.6 to 10A), contactor, 24 hr programming clock, modular switch with 3 positions, Auto / O / Manual.

Type A
Type B
Type C
Type D

Discount group	Code	Unit £
E	25717	227.00
E	25718	227.00
E	25719	227.00
E	25720	227.00



Control box for pump overload protection and underwater light

Thermal overload protection (1.6 to 10A), contactor, 24 hr programming clock, modular switch with 3 positions: Auto / O / Manual.

Type A
Type B
Type C
Type D

Discount group	Code	Unit £
E	25721	261.00
E	25722	261.00
E	25723	261.00
E	25724	261.00

CONTROL BOXES

Control box for pumps overload protection and underwater light with differential protection



Thermal overload protection (1.6 to 10A), contactor, 24 hr programming clock.
Three positions: Auto/O/manual. Protected 230 V 10 A output and controlled for underwater projectors. Single-phase.

	Discount group	Code	Unit £
Type A	E	25725	367.00
Type B	E	25726	367.00
Type C	E	25727	367.00
Type D	E	25728	367.00

Control box for pump overload protection and underwater light with differential protection



Thermal overload protection (1.6 to 10A), contactor, 24 hr programming clock.
Three positions: Auto/O/manual. Protected 230 V 10 A output and controlled for lights. Three phases. Three-phase.

	Discount group	Code	Unit £
Type A	E	25729	436.00
Type B	E	25730	436.00
Type C	E	25731	436.00
Type D	E	25732	436.00

Control box for pump overload protection and 1 underwater light



Control box for pump overload protection and 1 underwater light.
Thermal overload protection (1.6 to 10A), contactor, 24 hr programming clock.
Three positions: Auto/O/manual. 12 V 315. Protected output for 1 underwater light.

	Discount group	Code	Unit £
Type A	E	69916	392.00
Type B	E	69917	392.00
Type C	E	69918	392.00
Type D	E	69919	392.00

Control box for pump overload protection and 2 underwater lights



Thermal overload protection (1.6 to 10A), contactor, 24 hr programming clock.
Three positions: Auto/O/manual. 12 V 630. Protected output for 2 underwater lights.

	Discount group	Code	Unit £
Type A	E	69920	450.00
Type B	E	69921	449.00
Type C	E	69922	450.00
Type D	E	69923	449.00

COUNTERCURRENT SWIMMING EQUIPMENT - QUICK SELECTION GUIDE



COUNTERCURRENT SWIMMING EQUIPMENT



Basic NL kit



Countercurrent unit upgraded with a new design.

Complete kit made up of:

- Polished stainless front cover.
- Push button start/stop.
- Venturi Regulation.
- S.S Housing.
- 5.5 HP pump.
- Control box.
- Handle.

Basic NL concrete
Basic NL liner

Discount group	Code	Unit £
J	66470	2,560.00
J	66471	2,660.00



Basic ND Kit



The water outlet through side slats brings innovation to countercurrent units.

Complete Kit made up of:

- Countercurrent swimming unit with polished AISI 316 stainless steel front cover.
- Illuminated piezoelectric push button.
- Air water return nozzle, flow rate of 50 m³/h and built in suction system.
- Two suction grilles with a capacity of 30 m³/h made of polished AISI 316 stainless steel.
- 5.5 CV pump.
- Flow rate of 50 m³/h
- Power control cabinet.

Basic ND Kit concrete
Basic ND Kit liner

Discount group	Code	Unit £
J	65498	2,840.00
J	66044	3,640.00



Advance ND Kit



The water outlet through side slats brings innovation to countercurrent units with top performance.

Complete Kit made up of:

- Countercurrent swimming unit with polished AISI 316 stainless steel front cover.
- Illuminated piezoelectric push button.
- Air water return nozzle, flow rate of 25-50 m³/h adjusted from a variable speed drive and has a built in suction system.
- Two suction grilles with a capacity of 30 m³/h made of polished AISI 316 stainless steel.
- 5.5 CV pump.
- Power control cabinet.
- Flow rate of 25 to 50 m³/h.
- Max. flow rates of 12 m/s at the units outlet, 2.4 m/s 1 m away, 1.7 m/s 1.5 m away and 1.5 m/s 2 m away.

Advance ND Kit concrete
Advance ND Kit liner

Discount group	Code	Unit £
J	65497	4,657.00
J	66043	5,470.00

COUNTERCURRENT SWIMMING EQUIPMENT



With polished S.S. AISI-316 rectangular faceplate



Composed of: Faceplate, nozzle unit, ON/OFF switch and air regulation button. Components in AISI-316 Stainless Steel.

Nozzle faceplate for S.S. housing
Nozzle faceplate for plastic housing

Discount group	Code	Unit £
J	11499	872.00
J	11014	816.00

FILTRATION PUMPS



With white plastic rectangular faceplate and built-in hand grip



Composed of: Faceplate, nozzle unit, ON/OFF switch and air regulation button. Components in AISI-316 Stainless Steel.

Discount group	Code	Unit £
J	11013	738.00



Hand grip S.S. nozzle front suction inlet



Made of stainless steel AISI-316 polished. Exclusive mounting for code 65489.

Hand grip

Discount group	Code	Unit £
J	65535	170.00



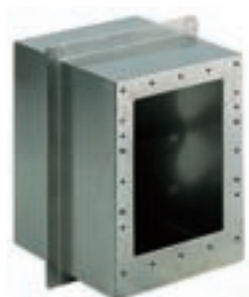
Rectangular hand grips



Polished S.S. AISI-316. Specially designed for 11014 and 11499. Nevertheless can be mounted on any of the other nozzle sets except the 11013.

Hand grip

Discount group	Code	Unit £
J	00246	189.00



S.S. Housing



In Stainless Steel AISI-316. 240 mm in depth. Suitable for both concrete and pre-fabricated pools. Supplied with leak-proof elements and 3 m cable wall conduit.

Discount group	Code	Unit £
J	00243	493.00

COUNTERCURRENT SWIMMING EQUIPMENT



For mounting in pre-fabricated and liner pools

In AISI-304 Stainless Steel. With gaskets and screws.

Discount group	Code	Unit £
J	00248	131.00



Housing

Made in unalterable plastic. Supplied with leak-proof elements and two conduits of 3 m each.

Discount group	Code	Unit £
J	11502	398.00



Accessory for fitting in liner and polyester pools

In plastic. With gaskets and screws.

Discount group	Code	Unit £
J	11503	127.00



Pump

Made of plastic. Double insulation motor shaft. IP-54 motor insulation.

Discount group	Code	Unit £
J	11505	1,783.00
J	25415	1,864.00
J	11504	1,783.00

1.5 kW power (P1: 1.85 kW)

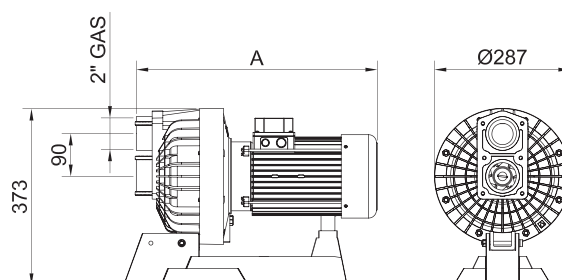
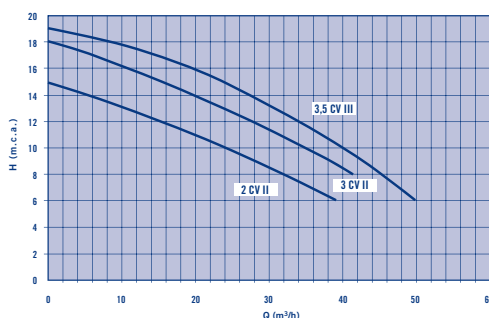
Single-phase 230 V 50 Hz

2.2 kW power (P1: 2.7 kW)

Single-phase 230 V 50 Hz

2.60 kW power (P1: 3.3 kW)

Three-phase 230/400 V 50 Hz



Code	HP	A
11505	2 II	474
25415	3 II	475
11504	3.5 III	516

COUNTERCURRENT SWIMMING EQUIPMENT



CCSD pump to drive equipment Countercurrent Vertical



New power pump with high flow performance. Increased diameter of the suction and discharge connections of the pump to increase flow performance required in this type of equipment. All metal components of the pump which are in contact with the water are made of AISI-316 stainless steel to provide high corrosion resistance. 3000 R.P.M. Centrifugal plastic pump. 5.5 HP power. Standard connections (Ø100, Ø90). Motor IE2. Plastic impeller. Product with GS marks. Supply voltage : 230/400V. AISI-316 Stainless Steel bolts. Mechanical sealing of great performance.

CCIV pump

Discount group	Code	Unit £
J	66549	1,345.00



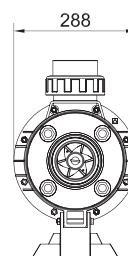
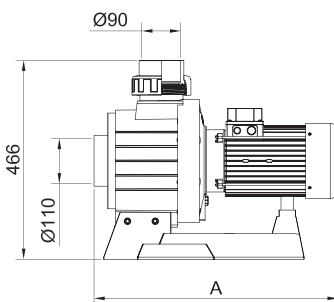
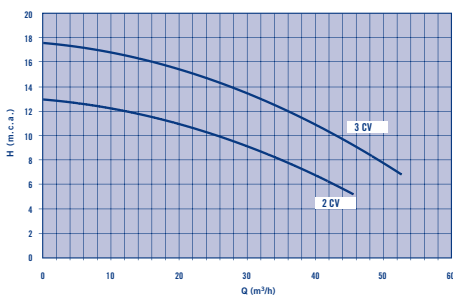
BCCIV pump, for vertical propulsion countercurrent equipment



Specially designed for countercurrent equipment with high performance output, greater diameter of return and propulsion pump connections for enhanced performance output, required for this type of equipment. It is important not to add any special features to the installation, as they may limit connections significantly. All the pumps' metal components in contact with water are manufactured in AISI-316 Stainless Steel, highly resistant to corrosion.

Power 1.5 Kw 2 HP Monoph., 230 V 50 Hz
 Power 2.2 Kw 3 HP Monoph., 230 v 50 Hz
 Power 2.2 Kw 3 HP Triph., 230/400 V 50 Hz

Discount group	Code	Unit £
J	28566	997.00
J	28568	1,096.00
J	30774	913.00



Code	HP	A
28566	2 II	496
28568	3 II	538
30774	3 III	538



Control boxes



Electro-pneumatic box. Pumps are operated through the nozzle actuators.

For 230 V II 1.5 kW (2 HP) pumps
 For 230 V II 2.2 kW (3 HP) pumps
 For 230/400 V III 2.6 kW (3.5 HP) pumps
 For 400 V III 4 kW (5.5 HP) pumps

Discount group	Code	Unit £
J	11507	576.00
J	25456	578.00
J	11506	576.00
J	65536	501.00

COUNTERCURRENT SWIMMING EQUIPMENT

New Countercurrent Swimming Equipment. The innovative design and concept supplied as a kit (including faceplate, housing, control box and pump) makes it an element which will add significant value to your pool. A highly competitive product thanks to its high performance hydraulic features, the Marlin Countercurrent System is available in 3 models: the Marlin 30 II, the Marlin 30 III and the Marlin 45 III. Possibility of attaching grab rails and hydromassage hose.



Marlin 30 II (single phase)

Consists of: Nozzle faceplate, plastic housing, control box and pump 2.2 kW (3 HP) 230 V II 50 Hz.

Discount group	Code	Unit £
J	35375	1,609.00

Marlin 30 III (three phase)

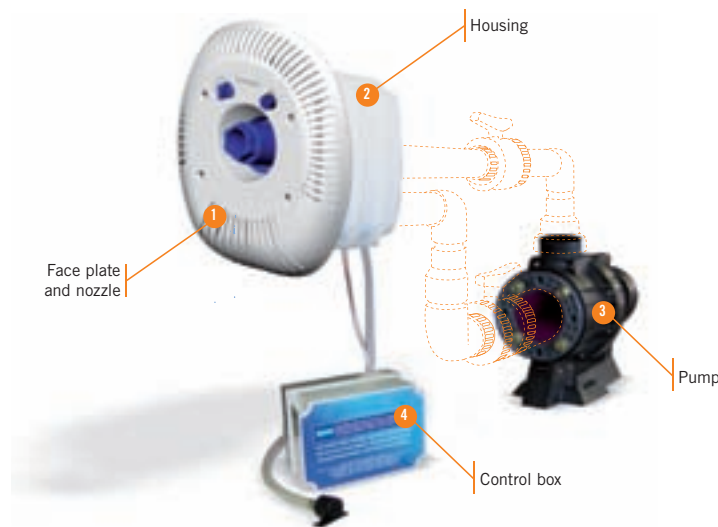
Consists of: Nozzle faceplate, plastic housing, control box and pump 2.2 kW (3 HP) 400 V III 50 Hz.

Discount group	Code	Unit £
J	35376	1,671.00

Marlin 45 III (three phase)

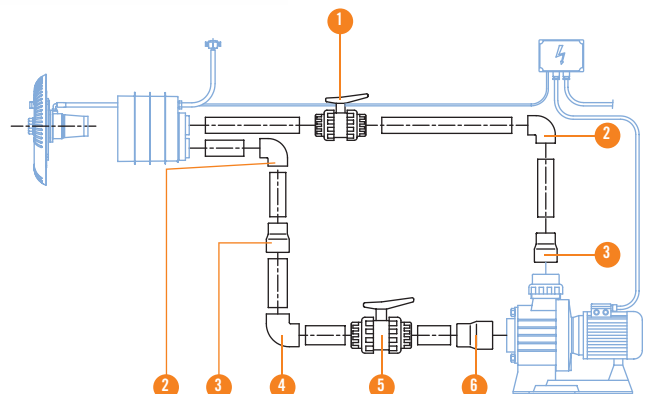
Consists of: Nozzle faceplate, plastic housing, control box and pump 3.3 kW (4.5 HP) 400 V III 50 Hz.

Discount group	Code	Unit £
J	35377	1,712.00



Accessories (not included in the kit)

Pos	Q	Denomination	Code
1	1	PVC Ball valve Ø63 mm	02458
2	2	PVC elbow 90° Ø63 mm	01717
3	2	Conical reduction Ø90-75x63 mm	01993
4	1	PVC elbow 90° Ø75 mm	01718
5	1	PVC Ball valve Ø75 mm	02459
6	1	Conical reduction Ø110-90x75 mm	01997
-	-	PVP pipe Ø63 mm PN-6	02692
-	-	PVP pipe Ø75 mm PN-6	02693





WATER TREATMENT

132 • Astral Chemical Range

WATER
TREATMENT

Water treatment products
sold in box quantities only

ASTRAL CHEMICAL RANGE
Chlorine Granules Stabilised

	Discount group	Code	Box Price £	Pack Size
Chlorine Granules 1kg	G	ACG61	65.00	6
Chlorine Granules 5kg (new pack size)	G	ACG45	74.00	2
Chlorine Granules 25kg	G	ACG25	177.00	1


Chlorine Tablets Stabilised

	Discount group	Code	Box Price £	Pack Size
Chlorine Tablets 200g wrapped 2kg	G	ACT62	135.00	6
Chlorine Tablets 200g wrapped 5kg	G	ACT45	177.00	4
Chlorine Tablets 200g wrapped 25kg	G	ACT25	214.00	1



Chlorine and Mini Chlorine Tablets

Mini Chlorine tablets Stabilised

	Discount group	Code	Box Price £	Pack Size
Mini Chlorine Tablets 20g 2.5kg	G	ACMT625	146.00	6

Multifunctional Chlorine Granules

	Discount group	Code	Box Price £	Pack Size
Multifunctional Chlorine Granules 5kg	G	AMCG45	155.00	4

Water treatment products
sold in box quantities only

ASTRAL CHEMICAL RANGE

Multifunctional Chlorine Tablets

	Discount group	Code	Box Price £	Pack Size
Multifunctional Chlorine Tablets 5kg	G	AMCT45	186.00	4

Shock Granules

	Discount group	Code	Box Price £	Pack Size
Shock Granules 5kg	G	ACSG45	192.00	2

Liquid Chlorine 14/15% 20Lts

	Discount group	Code	Box Price £	Pack Size
Pallet qty's only 32 x 20 lts	G	141	992.00	-

Non Chlorine Shock

	Discount group	Code	Box Price £	Pack Size
Non Chlorine Shock 5kg	G	ANC545	236.00	4

pH Minus

	Discount group	Code	Box Price £	Pack Size
pH Minus 1.5kg	G	APM615	56.00	6
pH Minus 7kg	G	APM27	40.00	2
pH Minus 25kg	G	APM25	62.00	1



pH Plus

	Discount group	Code	Box Price £	Pack Size
pH Plus 1kg	G	APP61	51.00	6
pH Plus 5kg	G	APP45	62.00	4
pH Plus 25kg	G	APP25	59.00	1

Water treatment products
sold in box quantities only

ASTRAL CHEMICAL RANGE
Calcium Hardness Increaser

	Discount group	Code	Box Price £	Pack Size
Calcium Hardness Increaser 5kg	G	ACG145	87.00	4

Alkalinity Increaser

	Discount group	Code	Box Price £	Pack Size
Alkalinity Increaser 5kg	G	AA145	74.00	4

Floculants

	Discount group	Code	Box Price £	Pack Size
Floc Granules 3kg	G	AF662	68.00	6


Algaecides

	Discount group	Code	Box Price £	Pack Size
Algaecide - Copper Free 1lt	G	AACF61	65.00	6
Long Life Algaecide - Copper 1lt	G	ALAC62	203.00	12
Spring Longlife Algaecide - Copper 5lt	G	ASAC45	71.00	4
Spring Longlife Algaecide - Copper Free 5lts	G	ASACF45	81.00	4

Winterisers

	Discount group	Code	Box Price £	Pack Size
Winteriser - Copper 5lts	G	AWC45	71.00	4
Winteriser - Copper Free 5lts	G	AWCF45	81.00	4

Water treatment products
sold in box quantities only

ASTRAL CHEMICAL RANGE

Cleaning products

	Discount group	Code	Box Price £	Pack Size
Tile and Liner Cleaner 1lt	G	ATLC61	74.00	6

Stabilizers and reducers

	Discount group	Code	Box Price £	Pack Size
Chlorine Stabiliser 2kg	G	ACS62	112.00	6
Chlorine / Bromine Reducer 2.5kg	G	ACBR625	121.00	6

Sauna products

	Discount group	Code	Box Price £	Pack Size
Sauna Milk (Eucalyptus) 5lts	G	ASME45	99.00	4
Sauna Milk (Mint) 5lts	G	ASME45M	99.00	4







DOSING AND CONTROL EQUIPMENT

- 138 • Blue Connect range
- 141 • Testers
- 142 • Salt electrolysis & pH control
- 144 • UV Automatic Disinfection
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- 150 • Tanks and Bunds
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- 156 • Dosing equipment
- 158 • Pocket gauges
- 158 • Test kits and photometers

BLUE CONNECT RANGE



WHAT IS BLUE CONNECT?

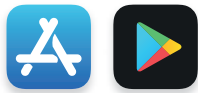
Blue Connect is smart device that tests water quality. It comes with a free app that tells you how to balance your pool water in a few easy steps.

The device is equipped with a probe that measures the four main settings for keeping your pool water crystal clear: pH, temperature, ORP (level of disinfectant) and conductivity.

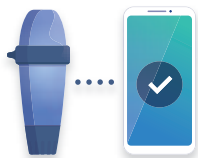


Plug & Play

Blue Connect works with all types of pools and its installation takes only 3 minutes.



1. Download the App



2. Link Blue Connect



3. Install it in the water or in the technical room (Blue Fit50)



4. Enjoy!



BLUE CONNECT APP

With the free application Blue Connect, the user access **real-time information** on the quality of the water but also weather conditions.

When an action is needed, he receives an **alert** on his smartphone. Depending on the characteristics of his pool, the application gives him the **procedure to follow** and the quantity of chemicals needed to maintain a clean and healthy water.

Always connected

Blue is always connected thanks to different technologies:



Blue Connect continuously sends the data to the cloud via a network dedicated to connected devices.



Take an instant measure directly with Bluetooth.



Use Blue Connect with your Wi-Fi thanks to the Wi-Fi gateway Blue Extender.

BLUE CONNECT RANGE

Blue Extender Wi-Fi Gateway

If there is no Sigfox coverage in your area, Blue Connect can be connected to the Wi-Fi thanks to the **Blue Extender Wi-Fi gateway**.

Check your coverage on blueconnect.io




Blue Fit50, 50 mm saddle clamp

Blue Connect can float or can be installed in the technical room thanks to the **Blue Fit50** saddle clamp.




Blue Connect packages


There are 2 packages of Blue Connect: **Blue Connect** and **Blue Connect Plus**.




Blue Connect (white)
The smart pool tester and the free Blue Connect app



Monitor your pool 24/7, wherever you are with the connected pool water analyser and the free Blue Connect app.



Integral probe
Blue Connect accurately measures and analyses your pool's settings



Step-by-step assistant
Follow your custom practical guide and save time and money



Blue Connect (blue)
The smart pool analyser and the advanced app Blue Plus



In addition to all the Blue Connect features, Blue Connect Plus gives access to a powerful web platform that allows local pool professional to monitor the pool remotely, for the ultimate peace of mind.



Blue Fit50
Saddle clamp to install Blue Connect in the technical room



Virtual Pool Care
Web platform for pool Professional virtualpoolcare.io


Blue Connect Standard or Salt?

Each of those packages are declined in 2 versions: a version for chlorine and bromine pools (platinum probe) and a version optimized for salt water pools (gold probe).

BLUE CONNECT RANGE

Blue Connect App

There are two versions of the Blue Connect app: Blue Connect and Blue Plus (advanced mode).




The condition of your pool at a glance.
Not only do you see the general condition of your pool, but also the perfect time for swimming thanks to the weather info.

Down to the finest detail
It displays the exact values of the main settings of your pool or spa.

Notifications
Blue Connect notifies you when it detects a change in your pool or spa.

Step-by-step assistant
Gives you step by step instructions on which chemicals to add to get your pool into optimal swimming conditions again.

In addition to all the Blue Connect app features, Blue Plus gives access to more advanced features:

- 20 daily readings (instead of 2)
- Up to 5 days weather forecasts
- Multi-user: share your pool with relatives
- Data history: see the evolution of your parameters
- Custom alerts: chose when and how you want to receive alerts

Blue Plus is included in the Blue Connect Plus package or can be purchased directly in the app.



Blue Check, 5-in-1 test strips that work with the app

Blue Check has 50 test strips that are used with the free Blue Connect app, on which customers can find tips on how to maintain their pools. A simple solution for keeping clean with total peace of mind.

Blue Check works with Blue Connect to check additional settings, such as alkalinity, hardness and cyanuric acid.

Further information on page 141.



Smart Pool Analyzer

Blue Connect (white)
Blue Connect Plus (blue)
Blue Connect Plus Salt (blue)
Blue Battery, lithium battery
Blue Sensor Pt
Blue Sensor Au*
Blue Fit50
Blue Extender (Wi-Fi)
Blue calibration KIT

Discount group	Code	Unit £
H	70158	299.00
H	70159	472.00
H	71663	501.00
H	7015C001	16.00
H	7015R001	103.00
H	7015R002	123.00
H	7015C002	26.00
H	7015C004	51.00
H	71666	19.00

* Optimized sensor for salt water pools

TESTERS

New

Blue Check, test strips for use with the Blue Connect maintenance app



DOSING AND CONTROL EQUIPMENT



Blue Check has 50 test strips that are used with the free Blue Connect app, on which customers can find tips on how to maintain their pools. A simple solution for keeping clean with total peace of mind.

Blue Check measures:

- pH (6.8 - 8.2)
- Free chlorine (0.0–5.0)
- Bromine (0.0–11.0)
- Total alkalinity (0–240)
- Total Hardness (40–1000)
- Cyanuric Acid (0–150)

Blue Check works in conjunction with **Blue Connect**, the smart pool water tester (see page 138). Thanks to Blue Check you will be able to ensure that your pool water is balanced by checking other settings, such as alkalinity, hardness and cyanuric acid.



1

Test the water and enters the values in the app **Blue Connect**



2

See the state of your pool and the weather forecast



3

Receive customized tips on which chemicals to use and in which amounts



Discount group	Code	Unit £
H	71664	14.00

Blue Check, test strips (pack in EN, FR, DE, NL)

SALT ELECTROLYSIS & pH CONTROL



Sel Clear



Reverse polarity self cleaning chlorinator. Easy installation and use. Meant for pools up to 95 m³. Provides a good quality/price ratio. Optional flow switch. (available on request). Assembly on panel NOT included. Meant for pool up to 95 m³.

	Discount group	Code	Unit £
Up to 30 m ³	H	54041	689.00
Up to 55 m ³	H	54042	869.00
Up to 95 m ³	H	54043	996.00



Sel Pure



Reverse polarity self cleaning chlorinator. Salt concentration: 5 g/l. Includes: Flow switch, Pool Terre and salt analysis strips. Assembly on panel NOT included.

	Discount group	Code	Unit £
Up to 60 m ³	H	66675	1,458.00
Up to 100 m ³	H	66676	1,574.00
Up to 160 m ³	H	66677	1,895.00



pH Pure



pH automatic control system. Includes: proportional dosing pump; 1 electrode; 1 reagent kit; 1 installation Kit. Automatic calibration. Assembly on panel NOT included.

	Discount group	Code	Unit £
Up to 160 m ³	H	66674	1,452.00




Bering Sel



The Bering sel is designed for pools up to 55 cbm. It's equipped with an electrode in 3 plates placed in an opaque chamber. The electrode is automatic cleaning (via an inversion of polarity adjusted every 4 hours). The manipulation is simplified => The regulation of the production is manual (from 0 to 100%). Automatic calibration. Assembly on panel NOT included.

	Discount group	Code	Unit £
Bering Sel	H	64315	686.00



VOLUME	55 cbm
BOX DIMENSIONS	200 mm x 100 mm x 80 mm
PRODUCTION ADJUSTMENT	MANUAL
CHLORINE PRODUCTION	8 g/h
DISPLAY	POTENTIOMETER Steady Red = Stand By Flashing Red = Default (Water missing, Salt missing) Steady Green = Production
CHAMBER / ELECTRODE	
RECOMMENDED RATE OF SALT	4 g/L
MINIMUM RATE OF SALT	3,2 g/L
CONTACT FOR AUTOMATIC COVER	NO
BOX WATERPROOFNESS	IP 24
FLOW SWITCH	NO
GROUDING PRONG	OPTION
INVERSION OF POLARITY	FACTORY SETTING (4 HOURS)
WARRANTY	2 YEARS

SALT ELECTROLYSIS & pH CONTROL

	SELWATCH	SELWATCH +	SELWATCH PLATINUM
Code	54048	54049	54050
Maximun volume of the pool		100	100
Polarity inversion		•	•
Cover contact	auto	auto	auto
7 blades electrodes		•	•
Flow detector		•	•
Pacific chamber		•	•
Earth plug		•	•
Autotest & configuration menu		•	•
9 blades electrodes		•	•
Chlorine regulation	•	•	•
Chlorine colorimetric analysis	•	•	•
Chlorine reagent	•	•	•
External electrolyser	•		
Internal electrolyser		•	•
Chlorine pump			
Automatic chlorine calibration	•	•	•
pH regulation			•
pH reagent			•
pH colorimetric analysis			•
Automatic pH calibration			•
Automatic proportional pH injection			•



Selwatch

Selwatch - is the first system to regulate electrolysis or dosing pump, analyzes, adjusts and automatically maintains the correct chlorine level. Suitable for all pool treated with chlorine. It also controls all the electrolysis, valves and dosing pumps in the current market. Through automation of water treatment, Selwatch ensures a perfect water treatment with easy maintenance. It works according to the needs of the pool. It also preserves the environment of the pool.

	Discount group	Code	Unit £
Selwatch	H	54048	1,605.00



Selwatch +

Selwatch + regulates the rate of chlorine by colorimeter. Works by observing the parameters of the pool, with a high end electrolysis and regulating system. This system also has an earth device and flow detector - its titanium electrodes self clean the glass and has a translucent electrolysis integrated instrument holder.

	Discount group	Code	Unit £
Selwatch +	H	54049	3,384.00



Selwatch Platinum

Selwatch Platinum is the flagship model offering complete freedom for the user. It ensures water quality in the absence of the user. It regulates the rate of chlorine colorimetric, non-toxic reagent patented electrolysis up to 100m3 and regulates the colorimetric pH without the need for a probe. This 3 in 1 system automatically regulates the chlorine and pH, by colorimeter and automatically corrects the pH (using pH- or pH+) through selwatch. It has an adjustable set point and a safe injection timer.

	Discount group	Code	Unit £
Selwatch Platinum	H	54050	3,290.00

UV AUTOMATIC DISINFECTION

Domestic UV Systems

New range of domestic UV systems. Tough outer casing withstanding upto 4 bar pressure. Low energy electronic ballast positioned in a fully water tight compartment with full thermal overload protection. Supplied with 1.5" male threaded connections. Easy to install with pre-fitted stainless steel mounting brackets.

	Discount group	Code	Unit £
15 W UV System	H	UVC-15AN	197.00
25 W UV System	H	UVC-25AN	217.00
30 W UV System	H	UVC-30AN	294.00
55 W UV System	H	UVC-55AN	308.00
75 W UV System	H	UVC-75AN	358.00



MP range - Dechloraminators public pools and spas with medium pressure lamps "MP"

	UVC15N	UVC25N	UVC30N	UVC55N	UVC75N
For Swimming Pools upto (litres)	15,000	25,000	30,000	55,000	75,000
Max. Flow rate (litres / hour)	7,500	10,000	15,000	20,000	25,000
Bulb life (hours)	9000	9000	9000	9000	9000
Connections	1.5" BSP Male Thread	1.5" BSP Male Thread	1.5" BSP Male Thread	1.5" BSP Male Thread	1.5" BSP Male Thread
Dimensions (mm)	450 x 167 x 88	450 x 167 x 88	1000 x 167 x 88	1000 x 167 x 88	1300 x 167 x 88



UVC-15AN



UVC-25AN



UVC-30AN



UVC-55AN



UVC-75AN

UV AUTOMATIC DISINFECTION



Hanovia

MEDIUM PRESSURE UV TREATMENT FOR POOLS AND SPAS

Hanovia medium pressure UV systems deliver effective treatment (chloramine removal and disinfection) for all leisure facilities from spas through to large competition pools. By using medium pressure lamps we break down not only monochloramine but also di- and trichloramine which are responsible for eye and skin irritation, headaches and unpleasant odours. Using UV in the water treatment process provides bathers and staff with a pleasant and safe environment. UV has the added advantage of being effective against chlorine resistant microorganisms such as Cryptosporidium and Giardia.

Model	Description	Flange Type	Flow Rate m ³ /hr	UV Dose mJ/cm ²	Lamp Power	Connection Size	Unit £
SWIMLINE 60	All UV systems include:	PN16	51	60	1.2 kW	DN 80	14,470.00
SWIMLINE 70		PN16	61	60	1.2 kW	DN 100	14,700.00
SWIMLINE 120	316L SS chamber;	PN16	128	60	2.5 kW	DN 150	16,078.00
SWIMLINE 195	mild steel cabinet;	PN16	181	60	3.5 kW	DN 150	16,423.00
SWIMLINE 295	automatic wiper;	PN16	251	60	3.5 kW	DN 200	17,571.00
SWIMLINE 470	UV monitor;	PN16	318	60	5.5 kW	DN 200	21,246.00
SWIMLINE 600	temperature sensor;	PN16	500	60	5.5 kW	DN 250	26,414.00
SWIMLINE 705	energy-saving function;	PN16	547	60	5.5 kW	DN 300	28,711.00
SWIMLINE 850	strainer and	PN16	707	60	10.5 kW	DN 300	37,325.00
SWIMLINE 990	10m cables	PN16	854	60	14.0 kW	DN 350	43,641.00

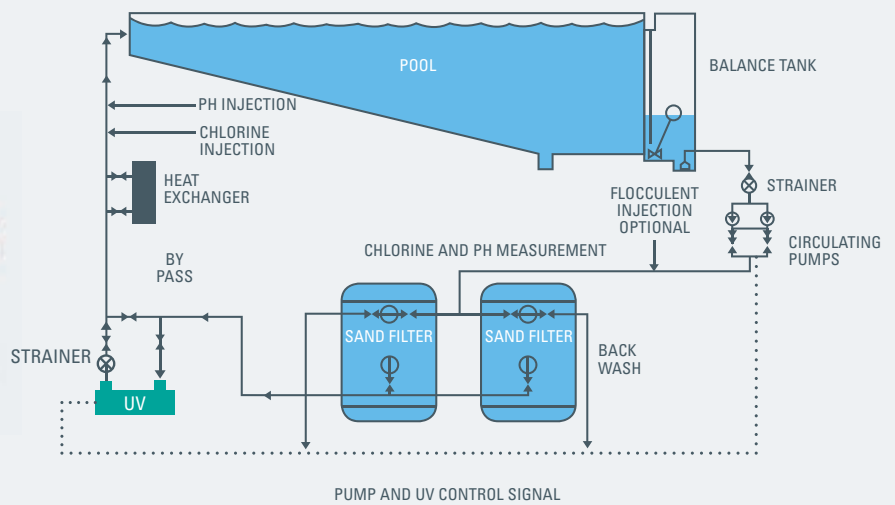
SwimLine UV™ Range



Hanovia

UV TECHNOLOGY FOR POOLS & SPAS

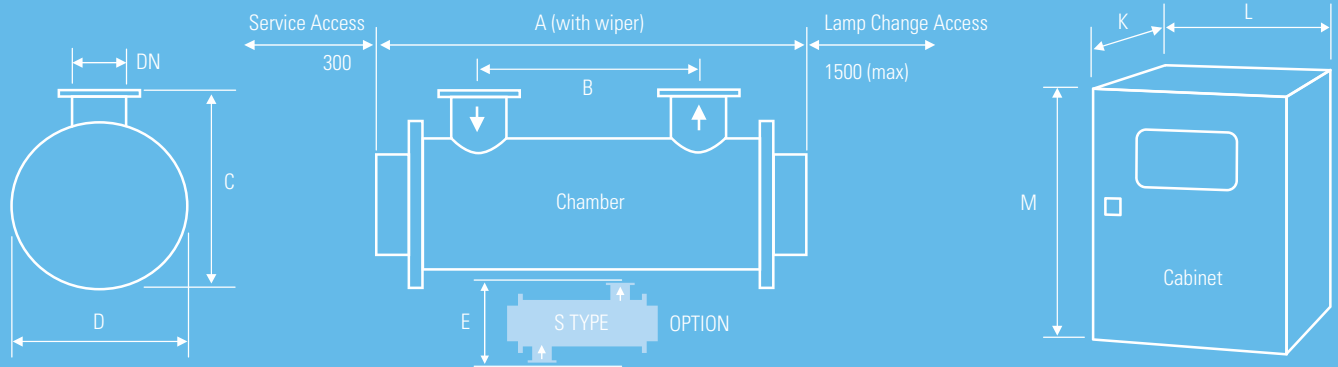
FLOW DIAGRAM FOR SINGLE POOL WITH ULTRAVIOLET TREATMENT



UV TREATMENT FOR POOLS AND SPAS

Hanovia's SwimLine UV systems deliver effective treatment (chloramine removal and disinfection) for all leisure facilities from spas through to large competition pools. By using medium pressure lamps we break down not only monochloramine but also di- and trichloramine which are responsible for eye and skin irritation, headaches and unpleasant odours. Using UV in the water treatment process provides bathers and staff with a pleasant and safe environment. UV has the added advantage of being effective against chlorine resistant microorganisms such as *Cryptosporidium* and is up to 5 times cheaper to maintain and occupies only 1/10th of the space of ozonation equipment.

KEY FEATURES	WHAT IT GIVES YOU	BENEFITS FOR YOU
INTELLIGENCE		
UV intensity monitor	Continuous verification of performance with in-built low intensity alarm	Easy to monitor and log system performance
Flow meter input	Real time adjustment of lamp power based on flow	Saves power
OPTIMISATION		
Medium pressure lamp	Provides UV light at 200 to 400 nm wavelengths ideal for the destruction of mono-, di- and trichloramine	Visibly clear water with reduced odours
		Reduced corrosion risk
		Minimises bathers' eye and skin irritation
	Provides germicidal wavelengths to disinfect the water	Protect bathers from chlorine resistant microorganisms such as <i>Cryptosporidium</i> or <i>Giardia</i>
	Automatic wiper (quartz cleaning)	Self cleaning
INTEGRATION		
Designed specifically for pools	UVShield™ power cut-out for lamp access (option)	Enhanced operator safety when changing a lamp
	Water leak detection (option)	Increased bather safety when used with a strainer



Model	Maximum Power (kW)	Min UVT (%)	Dimensions (mm)								Approx weight (Kg)		
			A	B	C	D	E	DN	K*	L	M**	Chamber (Empty)	Control Cabinet
SwimLine 60	1.6	85	850	240	320	240	400	80	330	750	850	40	85
SwimLine 70	1.6	85	850	240	320	240	400	100	330	750	850	45	85
SwimLine 120	2.7	78	1300	660	320	240	400	150	330	750	850	50	85
SwimLine 195	4.4	81	1300	660	320	240	400	150	330	750	850	50	85
SwimLine 295	4.4	90	1300	610	420	290	550	200	330	750	850	75	85
SwimLine 470	5.8	84	1300	610	420	290	550	200	330	900	1100	75	165
SwimLine 600	5.8	93	1300	550	505	410	600	250	330	900	1100	120	165
SwimLine 705	5.8	93	1800	960	505	410	600	300	330	900	1100	160	165
SwimLine 850	12.5	62	1800	960	505	410	600	300	330	1100	1600	160	270
SwimLine 990	16.5	76	1800	930	540	430	650	350	330	1100	1600	200	282

* Allow dimension L in front of cabinet for door opening and panel access.

** M dimension includes the space for the cabinet mounting brackets but you need to allow space below the cabinet for cable entry and access (minimum of 250 mm).

All dimensions are approximate for clearance purposes only. Hanovia has a policy of continuous product development, exact drawings are available on request. All specifications are subject to change without notification. Your distributor or Hanovia account manager can advise on correct sizing and specification requirements

DOSING AND CONTROL EQUIPMENT

UV CHAMBER

Material:	Stainless steel 316L / 1.4404
Internal finish:	As made pipe and tube, welds as laid, electropolished and passivated
External finish:	Sateen polish (120 grit) electropolished and passivated
Process (mating) connections:	Flange EN 1092-1 PN16
Drain connection:	BSPT
End plate:	Removable end plate
Degree of protection:	IP65 equivalent to NEMA 4 but not for outside use
Wiper:	Automatic (electrically driven)
Arc tube (lamp):	Medium pressure
Arc tube enclosure:	Pure quartz
Number of arc tubes (lamps):	1 to 4 dependent on model
Expected lamp life:	4000-8000 hours
Temperature sensor:	Yes
UV monitor:	Wet UV monitor (to minimum UVT)
Working fluid temperature:	5°C to 60°C (80°C unwiped)
Strainer:	Yes
Hydrostatically pressure tested:	Yes to PED requirements EN 13445
Chamber mounting:	Horizontal only
Operating pressure:	6 bar
Pressure loss:	Typically < 70 mbar
Seals:	EPDM

OPTIONS

Operation and Maintenance manual and printed Installation and Commissioning manual in Chinese, English, French, German and Spanish
Flange options: ANSI 150 (with NPT drain), JIS, Table 'E'
Lead length: 20 m, 30 m or 50 m cabinet to chamber
Skid mounting
Vent valve: Manual valve
Aggressive water package: For 400 ppm to 20000 ppm chloride water
UVShield™: Power cut-out for lamp access
Water leak detection: Detects water leaks from quartz sleeve
Chamber configuration: S shape

CABINET

Material:	Polyester coated carbon steel
Degree of protection:	IP54 NEMA 12
Supply voltages (nominal):	SL 60-120 95 V to 260V SL 195-705 190 V to 480 V SL 850-990 380 V to 480 V 50/60 Hz (voltage tolerance ± 10% of nominal)
Operating temperature range:	5°C to 40°C
Relative humidity:	<95% non-condensing
Cooling fans:	Yes
Interconnecting cable lengths:	10 m cabinet to chamber
Power adjustment:	4 level power stepping

CUSTOMER OUTPUTS

4-20 mA passive or active outputs:	UV intensity, UV dose
VFC outputs:	System warning, lamp ready, low UV intensity, common trip, remote reset, ELCB or water leak, system available, local or remote mode

CUSTOMER INPUTS

4-20 mA passive or active input:	Flow meter
VFC inputs:	Remote stop/start and remote reset

CUSTOMER COMMUNICATIONS PORT

None

APPROVALS

CE marked, UL listed E 149108

CONTROL PANELS

The **LD Series** of controllers are suitable for almost all chemical dosing applications and feature a wide range of inputs and outputs for connection to new and existing equipment alike.

Full connectivity

Allows users to 'dial in' to the controller to access real time updates from the controller via the internet. Controllers can be connected via GPRS/GSM modem or local ethernet.

Inputs

Standy; flow; pH (+) level; pH (-) level; sanitiser level; pH probe; sanitiser probe; temperature probe and power supply.

pH Priority

Controller can be set to give priority to pH dosing, i.e sanitiser dosing is 'paused' until pH levels are within acceptable limits.

Password Protected

Controllers are fully protected with a tiered password system. End users can be given a limited access password for calibration purposes whereas the engineers password gives full unrestricted access to the controller.

Encoder Wheel Technology

Gives easy navigation of the controller menu system.

Alarms

Wide range of alarms available, including Probe damage, over dosing, set point, chemical tank levels and flow.



Controller Panels

	Discount group	Code	Unit £
PH + ORP based system	H	PAN.AS.001	2,490.00
PH + CL Potentiostatic based system	H	PAN.AS.002	3,649.00
PH + CL Open Amperometric Cell based system	H	PAN.AS.003	3,774.00
PH + CL Closed Amperometric Probe based system	H	PAN.AS.004	4,739.00

Connectivity

	Discount group	Code	Unit £
USB Connectivity Upgrade - LD Controllers Only	H	CON.AS.001	191.00
LAN / CAT5e Ethernet Connectivity Upgrade LD Controllers Only	H	CON.AS.002	311.00
GSM / GPRS Modem Connectivity Upgrade LD Controllers Only - No Sim	H	CON.AS.003	538.00



DOSING PUMPS

EF Pumps (Economy Manual)

EF Wall Mounted Dosing Pump
 5 Lph / 5 Bar - 230VAC 1PH 50 Hz
 2.2 Lph / 10 Bar - 230VAC 1PH 50 Hz

Discount group	Code	Unit £
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H	PEF.AS.001	260.00
H	PEF.AS.002	260.00

MH Pumps (Manual)

MH Foot Mounted Dosing Pump
 2 Lph / 18 Bar - 230VAC 1PH 50Hz
 2 Lph / 10 Bar - 230VAC 1PH 50Hz
 5 Lph / 7 Bar - 230VAC 1PH 50Hz

Discount group	Code	Unit £
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H	PMH.AS.001	389.00
H	PMH.AS.002	389.00
H	PMH.AS.003	389.00

MK Pumps (Manual with Level)

MK Foot Mounted Dosing Pump with Low Level
 18 Lph / 2 Bar - 230VAC 1PH 50Hz
 10 Lph / 5 Bar - 230VAC 1PH 50Hz
 5 Lph / 10 Bar - 230VAC 1PH 50Hz
 2 Lph / 18 Bar - 230VAC 1PH 50Hz

Discount group	Code	Unit £
----------------	------	--------

H	PMK.AS.001	571.00
H	PMK.AS.002	571.00
H	PMK.AS.003	571.00
H	PMK.AS.004	571.00

MA Pumps (Manual with Level)

MA Foot Mounted Dosing Pump with Low Level
 20 Lph / 7 Bar - 230VAC 1PH 50Hz
 40 Lph / 3 Bar - 230VAC 1PH 50Hz

Discount group	Code	Unit £
----------------	------	--------

H	PMA.AS.001	971.00
H	PMA.AS.002	1,028.00

PH Pumps (Pulse Proportional)

PH Foot Mounted Dosing Pump
 2 Lph / 18 Bar - 230VAC 1PH 50Hz
 2 Lph / 10 Bar - 230VAC 1PH 50Hz
 5 Lph / 7 Bar - 230VAC 1PH 50Hz

Discount group	Code	Unit £
----------------	------	--------

H	PPH.AS.001	508.00
H	PPH.AS.002	508.00
H	PPH.AS.003	508.00

PA Pumps (Pulse Proportional)

PA Foot Mounted Dosing Pump with Low Level
 20 Lph / 7 Bar - 230VAC 1PH 50Hz
 40 Lph / 3 Bar - 230VAC 1PH 50Hz

Discount group	Code	Unit £
----------------	------	--------

H	PPA.AS.001	1,297.00
H	PPA.AS.002	1,352.00

TANKS AND BUNDS

Holding Tanks

Cylindrical Holding Tank

50L - 380 mm Dia x 635 mm H
 108L - 470 mm Dia x 680 mm H
 230L - 610 mm Dia x 870 mm H
 315L - 680 mm Dia x 960 mm H

Discount group	Code	Unit £
H	TAN.AS.001	134.00
H	TAN.AS.002	186.00
H	TAN.AS.003	254.00
H	TAN.AS.004	349.00



Bund Tanks

Carboy Bund Tank

440 mm x 300 mm x 600 mm H

Bund for TAN.AS.001 - 66L - 470 mm Dia x 430 mm H
 Bund for TAN.AS.002 - 119L - 610 mm Dia x 480 mm H
 Bund for TAN.AS.003 - 253L - 680 mm Dia x 800 mm H
 Bund for TAN.AS.004 - 477L - 830 mm Dia x 960 mm H

Discount group	Code	Unit £
H	BUN.AS.001	187.00
H	BUN.AS.002	183.00
H	BUN.AS.003	254.00
H	BUN.AS.004	297.00
H	BUN.AS.005	545.00

Support Plinths

Support Plinth

for TAN.AS.001 - 9 mm PP
 for TAN.AS.002 - 9 mm PP
 for TAN.AS.003 - 9mm PP
 for TAN.AS.004 - 9 mm PP

Discount group	Code	Unit £
H	TSP.AS.001	104.00
H	TSP.AS.002	113.00
H	TSP.AS.003	151.00
H	TSP.AS.004	186.00

MIXERS

Manual Mixers

Manual Agitator - Piston Plunger

500 mm Shaft
 600 mm Shaft
 700 mm Shaft
 800 mm Shaft

Discount group	Code	Unit £
H	MMA.AS.001	171.00
H	MMA.AS.002	171.00
H	MMA.AS.003	195.00
H	MMA.AS.004	208.00



Electric Mixers (High Speed)

Electric Agitator 1400 rpm

630 mm Shaft - 230VAC 1PH 50Hz
 730 mm Shaft - 230VAC 1PH 50Hz
 830 mm Shaft - 230VAC 1PH 50Hz
 980 mm Shaft - 230VAC 1PH 50Hz

Discount group	Code	Unit £
H	MHS.AS.001	756.00
H	MHS.AS.002	756.00
H	MHS.AS.003	756.00
H	MHS.AS.004	807.00



Electric Mixers (Slow Speed)

Electric Agitator - 65 or 200 rpm

630 mm Shaft - 230VAC 1PH 50Hz
 730 mm Shaft - 230VAC 1PH 50Hz
 980 mm Shaft - 230VAC 1PH 50Hz

Discount group	Code	Unit £
H	MSS.AS.001	1,058.00
H	MSS.AS.002	1,058.00
H	MSS.AS.003	1,109.00



ACCESSORIES

Injection Valves



- 3/8" 4X6 Injection Valve**
Economy
- 1/2" 4X6 Injection Valve**
Standard
PAC
Withdrawable - c/w Ball Valve
Rodable - Calcium Hypochlorite

Discount group	Code	Unit £
H	INJ.AS.001	10.00
H	INJ.AS.002	30.50
H	INJ.AS.003	30.50
H	INJ.AS.004	165.00
H	INJ.AS.005	467.00

Relief Valves



- Multifunction Valve - Pump Mounted
- Multifunction Valve - Wall Mounted

Discount group	Code	Unit £
H	MFV.AS.001	145.00
H	MFV.AS.002	136.00

Suction Lances



- Rigid Suction Lance with Level Float**
45 cm
63 cm
72 cm
90 cm
100 cm

Discount group	Code	Unit £
H	RSL.AS.001	154.00
H	RSL.AS.002	154.00
H	RSL.AS.003	154.00
H	RSL.AS.004	177.00
H	RSL.AS.005	177.00

Carboy Suction Lances

- Rigid Suction Lance with Level Float to suit Chemical Carboy

Discount group	Code	Unit £
H	CSL.AS.001	154.00

Foot Valves

- Foot Strainer Valve**
4X6 with Level Float - PVDF
6X8 with Level Float - PVDF
4X6 no Level - PVDF
4X6 no Level - PP

Discount group	Code	Unit £
H	FSV.AS.001	61.00
H	FSV.AS.002	61.00
H	FSV.AS.003	31.00
H	FSV.AS.004	31.00

DOSING AND CONTROL EQUIPMENT

SPARES

Buffer Solutions



pH 4 Buffer Solution - 50 ml	H	BUF.AS.001	8.00
pH 7 Buffer Solution - 50 ml	H	BUF.AS.002	8.00
pH 9 Buffer Solution - 50 ml	H	BUF.AS.003	8.00
650 mV ORP Buffer Solution - 50 ml	H	BUF.AS.004	14.00
KCL pH/ORP Electrode Storage Solution - 50 ml	H	BUF.AS.005	8.00

Discount group	Code	Unit £
H	BUF.AS.001	8.00
H	BUF.AS.002	8.00
H	BUF.AS.003	8.00
H	BUF.AS.004	14.00
H	BUF.AS.005	8.00

Tubing



4 mm ID x 6 mm OD PE Tubing - 30 m Coil	H	FDL.AS.001	29.00
4 mm ID x 6 mm OD PVC Tubing - 30 m Coil	H	FDL.AS.002	34.50
6 mm ID x 8 mm OD PE Tubing - 30 m Coil	H	FDL.AS.003	33.00
8 mm ID x 10 mm OD PVDF Tubing - 30 m Coil	H	FDL.AS.004	373.00
8 mm ID x 12 mm OD PE Tubing - 50 m Coil	H	FDL.AS.005	203.00

*PVC for suction & LDPE for delivery / discharge

Discount group	Code	Unit £
H	FDL.AS.001	29.00
H	FDL.AS.002	34.50
H	FDL.AS.003	33.00
H	FDL.AS.004	373.00
H	FDL.AS.005	203.00

Labels



Calibration Guide pH/CL/ORP	H	LAB.AS.001	6.20
Sodium Hypochlorite Bund & Injection Point Pack	H	LAB.AS.002	12.50
Calcium Hypochlorite Bund & Injection Point Pack	H	LAB.AS.003	12.50
Sodium Bisulphate Bund & Injection Point Pack	H	LAB.AS.004	12.50
Hydrochloric Acid Bund & Injection Point Pack	H	LAB.AS.005	12.50
Poly Aluminium Chloride Bund & Injection Point Pack	H	LAB.AS.006	12.50
Sample Flow and Sample Return Pack	H	LAB.AS.007	6.20

Discount group	Code	Unit £
H	LAB.AS.001	6.20
H	LAB.AS.002	12.50
H	LAB.AS.003	12.50
H	LAB.AS.004	12.50
H	LAB.AS.005	12.50
H	LAB.AS.006	12.50
H	LAB.AS.007	6.20

PAC Dosing Package



Poly Aluminium Chloride Dosing Package Inc. Pump, Carboy Bund and Rigid Suction Lance	H	PAC.AS.001	1,053.00
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Discount group	Code	Unit £
H	PAC.AS.001	1,053.00

SPARES

Pump Maintenance Kits

	Discount group	Code	Unit £
EF Maintenance Kit	H	PMK.SS.001	177.00
MH/PH Maintenance Kit	H	PMK.SS.002	177.00
MK Maintenance Kit	H	PMK.SS.003	184.00
MA/PA 20Lph Maintenance Kit	H	PMK.SS.004	195.00
MA/PA 40Lph Maintenance Kit	H	PMK.SS.005	271.00

Diaphragm



	Discount group	Code	Unit £
EF/MH/PH Diaphragm	H	DIA.AS.001	18.00
MK Diaphragm	H	DIA.AS.002	25.00
MA/PA 20Lph Diaphragm	H	DIA.AS.003	82.00
MA/PA 40Lph Diaphragm	H	DIA.AS.004	64.00

Hose Holding Kit

	Discount group	Code	Unit £
EF/MH/PH/MK Pump Hose Holding Kit	H	HHK.AS.001	6.00
EF/MH/PH/MK Accessory Hose Holding Kit	H	HHK.AS.002	7.50
MA/PA 20Lph Pump or Accessory Hose Holding Kit	H	HHK.AS.003	8.00
MA/PA 40Lph Suction Hose Holding Kit	H	HHK.AS.004	19.00
MA/PA 40Lph Discharge or Accessory Hose Holding Kit	H	HHK.AS.005	19.00

pH Probes



	Discount group	Code	Unit £
pH Electrode - 15 m Cable	H	PHE.AS.001	223.00
pH Electrode - 4.5 m Cable	H	PHE.AS.002	182.00
pH Electrode - 0.8 m Cable	H	PHE.AS.003	173.00

ORP (Redox) Probes



	Discount group	Code	Unit £
ORP (Redox) Electrode - 15 m Cable	H	ORE.AS.001	223.00
ORP (Redox) Electrode - 4.5 m Cable	H	ORE.AS.002	191.00
ORP (Redox) Electrode - 0.8 m Cable	H	ORE.AS.003	182.00

SPARES

Open Amperometric



Complete Open Amperometric Cell
Platinum and Copper Electrode Only

Discount group	Code	Unit £
H	OAC.AS.001	1,808.00
H	OAC.AS.002	681.00



Closed Amperometric



ECL3S/10 Complete Closed Probe
Membrane Cap with Cleaning Cloth
Electrolyte Solution

Discount group	Code	Unit £
H	CAP.AS.001	2,206.00
H	CAP.AS.002	216.00
H	CAP.AS.003	124.00

Pre-Filter



Pre-filter Complete
Filter Cartridge

Discount group	Code	Unit £
H	PFS.AS.001	66.00
H	PFS.AS.002	32.00



ON-SITE

On-site

On-site Commissioning Package - 1 System

On-site Installation and Commissioning
Package - 1 System

Discount group	Code	Unit £
H	ONS.AS.001	POA
H	ONS.AS.002	POA

CONTROL SYSTEMS



09392 - 06935



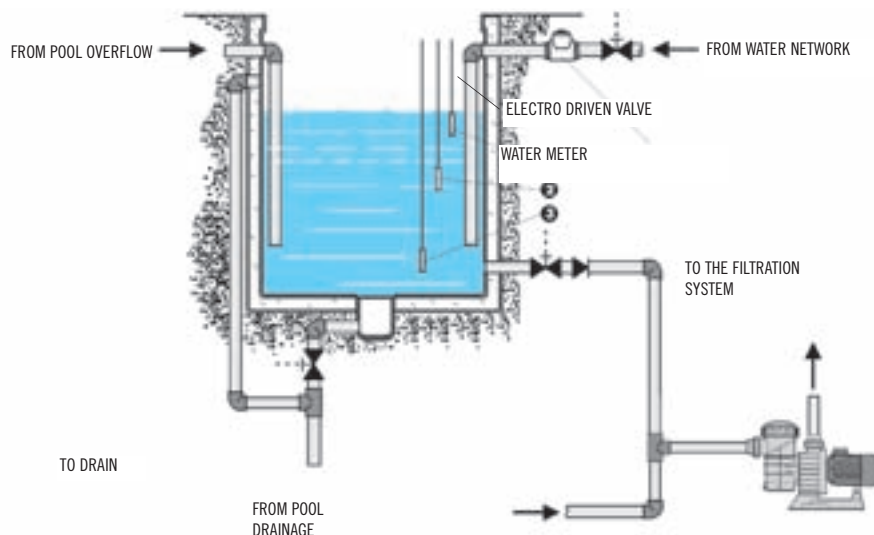
09393

Nylon solenoid valves

Threaded connection. Manually operated ON position Flow regulator. Stainless Steel AISI-302 spring. Maximum working pressure = 10 atm.

Connection	Min. pressure kg/cm ²	Max. pressure kg/cm ²	Max. flow m ³ /h	Discount group	Code	Unit £
1 1/2"	1	10	30	H	56115	47.00
2"	1	10	40	H	56116	53.00
24 V Solenoid				H	56699	10.00

BALANCE TANK INSTALLING DIAGRAM



- 1 Maximum water level signal in BALANCE TANK for starting the pumping system and electrodriven water inlet valve shut down.
- 2 Minimum water level signal in BALANCE TANK for opening the electrically operated valve for make up water.
- 3 Minimum level signal in BALANCE TANK for shutting down the pumping system.

Electronic operating panel for deck level pool balance tank



For overflow pool. Water level sensor with 2 m cable.

For 2 water levels control panel:

* Minimum safety level for pump operation: The pump stops working if water level doesn't have the minimum set level.

* Water make up level: Gives the solenoid valve the opening signal to keep correct water level in balance tank.

Solenoid valve signal in 220 V II & 24 V II.

Discount group	Code	Unit £
H	12061	622.00

3 water level control panel:

* Minimum safety level for pump operation: The pump stops working if water level reaches the minimum set level.

* Water make up level: Gives the solenoid water inlet valve, the opening signal to keep correct water level in balance tank. Solenoid valve signal in 220 V II & 24 V II.

* Pump start level: The pump starts operation when water level in balance tank reaches the overflow level (pipe burst or check valve failure).

Discount group	Code	Unit £
H	12062	817.00

DOSING EQUIPMENT



Floating dispenser

The ergonomic cap makes it easy to handle the chemical products and measure out the amounts needed. It has a capacity for 5 tablets of 200 g.



Shark Series
Basic Line
Basic Line with tablet consumption level indicator
For 20g tablets

Discount group	Code	Unit £
A	36620	14.00
A	38630	7.00
A	69668	10.50
A	38629	4.50

Dossi-5 in-line and Dossi-10 in-line brominator

Bromine dispenser. Manufactured from unalterable plastic materials (ABS). With regulation valve, manual purge, Venturi automatic depression purge, and opening key. For pools up to 45 m³ with the Dossi-5 dispenser and up to 90 m³ Dossi-10 dispenser. Connections 1½", Ø 200 mm.



Dossi-5 in-line. Height 486 mm.
Approximate capacity: 5 kg of tablets
Dossi-10 in-line. Height 725 mm.
Approximate capacity: 10 kg of tablets

Discount group	Code	Unit £
A	21438	174.00
A	21439	205.00

Chlorine and Bromine Feeders Dossi-5 and Dossi-10 off-line

Bromine and Chlorine feeders. Manufactured from unalterable plastic materials (ABS). Approximate capacity: 5 kg of tablets (Dossi-5) and 10 kg of tablets (Dossi-10). Supplied with two valves in order to stop the water flow. Connections Ø 20 mm.



Dossi-5 off-line (for pools up to 100 m³)
Dossi-10 off-line (for pools up to 200 m³)

Discount group	Code	Unit £
A	01413	240.00
A	43998	252.00

Chlorine and Bromine Feeder 3.5 kg Dossi-3

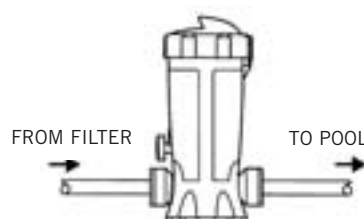
Chlorine and Bromine feeder. Manufactured from unalterable plastic materials (ABS). Approximate capacity: 3.5 kg of tablets. Lid closing with double safety system. Easy to operate regulation valves. For pools up to 60 m³ with Chlorine and up to 30 m³ with Bromine. Height: 405 mm.



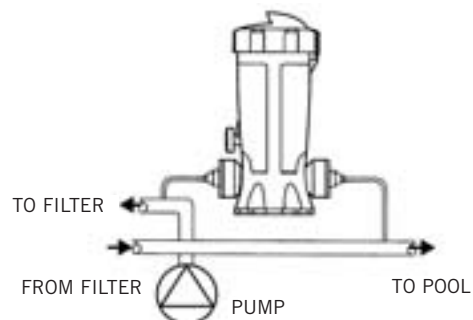
Dossi-3, in-line
For direct connection to pipework
With 1½" connectors
Dossi-3 off-line
For by-pass connection with flexible tube

Discount group	Code	Unit £
A	24429	129.00
A	24430	137.00

Code 24429 IN-LINE

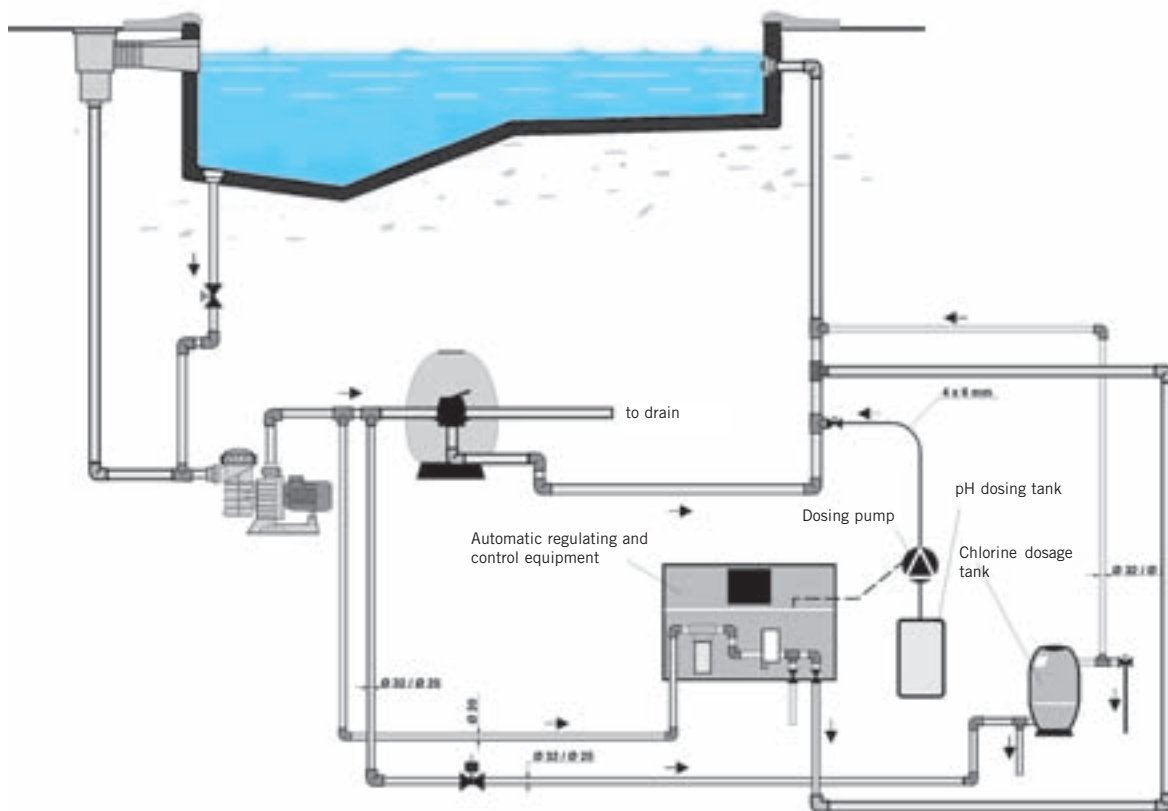


Code 24430 OFF-LINE



DOSING EQUIPMENT

INSTALLATION DIAGRAM OF CHLORINE/BROMINE DOSING UNITS AND AUTOMATIC REGULATING AND CONTROL EQUIPMENT



DOSING AND CONTROL EQUIPMENT



Compact dosage tank



Trichlor and Bromine tablet dosage unit with automatic safety valve. Made out of fibreglass and polyester.

Compact dosage tank 40 l

Trichlor (for pools from 200 to 500 m³)
Bromine (for pools from 150 to 300 m³)

Compact dosage tank 60 l

Trichlor (for pools from 500 to 1000 m³)
Bromine (for pools from 300 to 450 m³)

Discount group	Code	Unit £
A	16631	1,018.00
A	16632	1,161.00



Safety valve kit



PVC safety valve, with a spring and metallic pull ring. Opening pressure 2.5 - 3 bar (Kg/cm²).

For 40 l dosage tank
For 60 l dosage tank

Discount group	Code	Unit £
A	16633	127.92
A	16634	151.00

POCKET GAUGES



Dissolved solids pocket gauge

A small, practical pocket gauge for quickly measuring the solids dissolved in the water.

Discount group	Code	Unit £
H	41928	336.00



pH pocket gauge

A small, practical pocket gauge for quickly measuring the pH level in pool water.

Discount group	Code	Unit £
H	43447	284.00



Conductivity pocket gauge

A small, practical pocket gauge for quickly measuring conductivity.

Range: 0.1–19.9 mS/cm.

Discount group	Code	Unit £
H	43428	335.00

TEST KITS AND PHOTOMETERS



3-in-1 photometer

Chlorine: 0.01–5.0 mg/l
Isocyanuric acid 2–200 mg/l
pH: 6.8 - 8.4



Discount group	Code	Unit £
H	47189	784.00



6-in-1 photometer

Chlorine range: 0.01–5.0 mg/l
ph range: 6.8–8.4
Isocyanuric acid 2–200 mg/l
Calcium hardness: 5–500 mg/l
Bromine: 0.01–5.0 mg/l
Alkalinity: 10–500 mg/l



Discount group	Code	Unit £
H	47190	988.00

TEST KITS AND PHOTOMETERS



Pool-Control-Direct

Multiparameter photometer that enables a wide range of tests to be performed that cover all pool water readings. Intended for pool dealers.

	Discount group	Code	Unit £
Pool-Control-Direct	H	41922	2,867.00

Parameters tested (the reagents required can be ordered):

Alkalinity: 10 – 500 mg/l	Total copper 0.03–5.0 mg/l
Aluminium: 0.02–0.5 mg/l	Free copper: 0.03–5.0 mg/l
Ammonia: 0.01–1.0 mg/l	Total hardness: 5–500 mg/l
Cyanuric acid: 2–200 mg/l	Phosphates: 0.03–4.0 mg/l
Biguanide: 2–100 mg/l	Iron: 0.01–1.0 mg/l
Bromine: 0.04–10.0 mg/l	Manganese: 0.001–0.03 mg/l
Calcium hardness: 5–500 mg/l	Nitrates: 0.02–20 mg/l
Chloride: 10–500 mg/l	Ozone: 0.01–2.0 mg/l
Free chlorine: 0.01–5.0 mg/l	Hydrogen peroxide: 1–100 mg/l
Total chlorine: 0.01–5.0 mg/l	pH: 6,8 – 8,4
Free chlorine released: 0.01–10 mg/l	Salt level: 0–10.000 mg/l
Total chlorine released: 0.01–10 mg/l	Sulphates: 5–200 mg/l
Chlorine range: 1–250 mg/l	

Reagents for Photometers

	Discount group	Code	Unit £
Alkalinity, total (Alkaphot) 250	H	AP188	78.00
Bromine 250	H	AP060	25.00
Calcium Hardness 250	H	AP252	91.00
DPD No 1 Phot 250	H	AP011	25.00
DPD No 1 Phot XF 250	H	AP013/1	30.00
Chlorine (DPD n° 1 and n° 3) 0 to 5 range 250	H	AP031	49.00
Cyanuric Acid 250	H	AP087	65.00
ph (Phenol Red) 250	H	AP130	25.00
TDS Meter	H	PT153T	178.00





POOL CLEANING EQUIPMENT

- 162 • Automatic suction cleaners
- 163 • Top access automatic cleaners
- 167 • Automatic suction cleaners for commercial pools
- 169 • Manual pool cleaners - Blue Line Range
- 170 • Manual pool cleaners - Shark Range
- 171 • Handles
- 172 • Suction hoses

AUTOMATIC SUCTION CLEANERS

Comparative table of automatic top access cleaners for private pools

						
MODELS	Pulit Advance+ 3	Pulit Advance+ 5	Pulit Advance+ 7 Duo	AstralPool H3 DUO	AstralPool H5 DUO	AstralPool H7 DUO
Code	67975	63176	64573	63179	66016	69967
Bottom	Yes	Yes	Yes	Yes	Yes	Yes
Walls and water line	No	Yes	Yes	No	Yes	Yes
Technology	Robotics ⁽¹⁾					
Remote control	No	No	Yes, APP	No	No	Yes, APP
Cleaning cycles (h)	1.5	1.5 / 2	1.5 / 2 / 2.5	1.5 / 2	1.5 / 2	1.5 / 2 / 2.5
Aquasmart	Yes	Yes	Yes	Yes	Yes	Yes
Smart Gyro navigation system	Yes	Yes	Yes	Yes	Yes	Yes
External programmer option	Yes	Yes	Yes	Yes	Yes	Yes
Built-in programmer	No	No	Yes	No	No	Yes
LED indicator (filter full)	No	Yes	Yes	Yes	Yes	Yes
Electronic swivel	Yes	Yes	Yes	Yes	Yes	Yes
Pool shape selector	No	No	Yes	No	No	Yes
Obstacle detector	Yes	Yes	Yes	Yes	Yes	Yes
Length of cable (m)	16	18	18	18	18	18
Caddy	No	Caddy	Caddy	Trolley	Trolley	Trolley
Rate of suction (m ³ /h)	19	19	22	20	20	20
Filter type	Top access	Top access	Top access	Top Access - Easy View 3D	Top Access - Easy View 3D	Top Access - Easy View 3D
Extra-deep cleaning system	No	Vibrating brush	Vibrating brush	Vibrating brush	Vibrating brush	Vibrating brush
Adjustable suction nozzles	Yes	Yes	Yes	Yes	Yes	Yes
Brushes / Wheels	PVA wheels	PVA brush	PVA brush	PVA brush	PVA brush	PVA brush
Power pack	Basic SPS	SPS 100	SPS Bluetooth	SPS 100	SPS 100	SPS APP
Electrical specifications	100-250 V / 50-60 Hz / 210 W	100-250 V / 50-60 Hz / 210 W	100-250 V / 50-60 Hz / 210 W	100-250 V / 50-60 Hz / 210 W	100-250 V / 50-60 Hz / 210 W	100-250 V / 50-60 Hz / 210 W

(1) Robotic technology uses one or two motors for moving the pool cleaner.

+ info

Robots

Further information at robots.astralpool.com

TOP ACCESS AUTOMATIC CLEANERS



The leading model



AstralPool HDuo is our leading model of robotic pool cleaners. Its cutting-edge technology and contemporary design make it our top-of-the-range cleaner for private pools.



Vibrating brush

Raised adjustable suction nozzles for better suction



Gyro Technology

This new smart navigation system will ensure your pool is thoroughly cleaned every time. It avoids all types of obstacles and has a tangle-free power cable.



MORE POWERFUL MORE EFFICIENT MORE RELIABLE

Advantages of a single platform and a block comprising 2 motors and 1 filtration pump:

- Improved power transmission.
- More effective vibration cleaning brush.
- Lasts longer: no drive belts required and enhanced motor seals.
- Enhanced features: double traction motor + Gyro system.
- Easy for customers to repair: 4 screws to replace the motor block and direct access to gears and bearings.
- Recommended for gradients of up to 30°.

MODELS			
Code	63179	66016	69967
Bottom	Yes	Yes	Yes
Walls and water line	No	Yes	Yes
Remote control	No	No	Yes, with APP
Cleaning cycles (h)	1.5 / 2	1.5 / 2	1.5 / 2 / 2.5
Aquasmart	Yes	Yes	Yes
Gyro navigation system	Yes	Yes	Yes
External programmer option	Yes	Yes	Yes
Built-in programmer	No	No	Yes
LED indicator (filter full)	Yes	Yes	Yes
Electronic swivel	Yes	Yes	Yes
Length of cable (m)	18	18	18
Maximum pool length (m)	15	15	15
Maximum pool surface area (m ²)	100	100	100
Caddy	Trolley	Trolley	Trolley
Rate of suction (m ³ /h)	20	20	20
Filter type	Top access - Easy view	Top access - Easy view	Top access - Easy view
Extra-deep cleaning system	Vibrating brushes	Vibrating brushes	Vibrating brushes
Adjustable suction nozzles	Yes	Yes	Yes
Drive motors	2	2	2
Suction motors	1	1	1
Brushes / Wheels	PVA brushes	PVA brushes	PVA brushes
Power pack	SPS 100	SPS 100	SPS APP
Required power supply	100-259 V / 50-60 Hz / 210 W	100-259 V / 50-60 Hz / 210 W	100-259 V / 50-60 Hz / 210 W



Robots

Further information at robots.astralpool.com

AUTOMATIC TOP ACCESS CLEANERS

Three-dimensional filters
Come with a new ultrafine 3D filter as a standard feature.

LED indicator
The LED indicator shows when the filter is full.

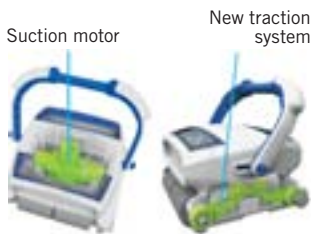
Easy view
The transparent windows make it easy to see the level of debris.

Easy open
The filters are easy to reach from the top of the cleaner.

Clean hands
There is no need to come into contact with the dirt to clean the filter.

PVA brushes
The best quality for a better grip on stick surfaces.

Adjustable suction nozzles
Maximum suction.



All units come with a 3-year warranty.



Video available



Cleaning **Bottom**



Pool size **100 m²**



Cleaning cycles **1.5 H / 2 H**



Cable **18 m**



Cleaning **Bottom, walls and water line**



Pool size **100 m²**



Cleaning cycles **1.5 H / 2 H**



Cable **18 m**



Cleaning **Bottom, walls and water line**



Pool size **100 m²**



Cleaning cycles **1.5 H / 2 H / 2.5 H**



Cable **18 m**



Discount group	Code	Unit £
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I	63179	1,218.00
I	66016	1,550.00
I	69967	1,767.00

+ info Robots **New**

Further information at robots.astralpool.com

AUTOMATIC SUCTION CLEANERS

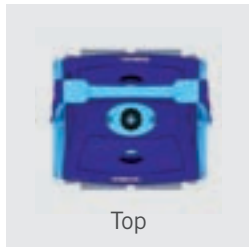
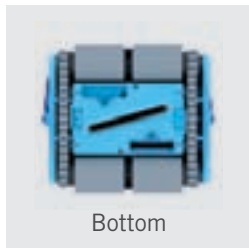


PULIT+ advance

The experts' choice



AstralPool's PULIT Advance + cleaners are robust, reliable and efficient. Top-of-the-range cleaners with Gyro technology, 3D filters, with the classic 2 motors or a cylinder block with app makes it and its features the experts' choice.



	PULIT+ advance³	PULIT+ advance⁵	PULIT+ advance⁷ dual
Code	67975	63176	67976
Bottom	Yes	Yes	Yes
Walls	No	Yes	Yes
Remote control from app	No	No	Yes
Cleaning cycles (h)	2	1.5 / 2	1.5 / 2 / 2.5
Aquasmart	Yes	Yes	Yes
Possibility of external programmer	Yes	Yes	Yes
Built-in programmer	No	No	Yes
Filter dirt level indicator	No	Yes	Yes
Smart Gyro navigation system	Yes	Yes	Yes
Pool shape selector	No	No	Yes
Obstacle detector	No	No	Yes
Length of floating cable (m)	16	18	18
Caddy	No	Caddy	Caddy
Rate of suction (m ³ /h)	19	19	22
Filter type	Top access	Top access	Top access
Extra-deep cleaning system	No	Vibrating brush	Vibrating brush
Adjustable suction inlet	No	Yes	Yes
Drive motor	24V DC brushless	24V DC brushless	Block with 2 motors
Suction motor	24V DC brushless	24V DC brushless	In block
Brushes / Wheels	PVA brush	PVA brush	PVA brush
Power pack	SPS Basic	SPS 100	SPS Bluetooth
Required power supply	100-259 V / 50-60 Hz / 210 W	100-259 V / 50-60 Hz / 210 W	100-259 V / 50-60 Hz / 210 W

+ info

Robots

New

Further information at robots.astralpool.com

AUTOMATIC SUCTION CLEANERS

Three-dimensional filters
Come with a new ultrafine 3D filter as a standard feature.

LED indicator
The LED indicator shows when the filter is full.





Easy open
The filters are easy to reach from the top of the cleaner.

Clean hands
There is no need to come into contact with the dirt to clean the filter.

PVA brushes
The best quality for a better grip on stick surfaces.





Adjustable suction nozzles
Maximum suction.

PULIT+*advance*3

-  **Cleaning**
Bottom
-  **Pool size**
60 m²
-  **Cleaning cycles**
2 H
-  **Cable**
16 m







PULIT+*advance*5

-  **Cleaning**
Bottom, walls and water line
-  **Pool size**
80 m²
-  **Cleaning cycles**
1.5 H / 2 H
-  **Cable**
18 m



PULIT+*advance*7*duo*

-  **Cleaning**
Bottom, walls and water line
-  **Pool size**
100 m²
-  **Cleaning cycles**
1.5 H / 2 H / 2.5 H
-  **Cable**
18 m



Aquabot RC app for iOS and Android



Bluetooth remote control

Discount group	Code	Unit £
I	67975	1,091.00
I	63176	1,447.00
I	67976	1,823.00



AUTOMATIC SUCTION CLEANERS FOR COMMERCIAL POOLS



Ultra 125



Pool cleaner for commercial pools up to 15 m. Cleans the floor, wall and waterline in a cycle of 3 h. It includes 23 m of cable and high quality DC brushless motors (1 pump motor and 1 drive motor). The pump capacity is 16.4 m³/h. It has 24 months of warranty.

Ultra 125 suction cleaner

Discount group	Code	Unit £
I	60165	1,887.58



Pool coverage
Bottom, walls and water line



Pool size
Up to 15 m and 100 m²



Cleaning cycles
3 H



Cable
23 m



Ultra 250



Pool cleaner for commercial pools up to 25 m. Cleans the floor, wall and waterline. With a gyroscope build in ensures the total coverage of the pool surface. It has three different programs: 2 h (floor only), 4 h (floor and wall), 5 h (floor and wall). Remote control, 30 meters of cable and a caddy. It has 3 high quality DC brushless motors. The pump capacity is 16.4 m³/h. It has 24 months of warranty.

Ultra 250 suction cleaner

Discount group	Code	Unit £
I	60140	3,141.84



Pool coverage
Bottom, walls and water line



Pool size
Up to 25 m and 165 m²



Cleaning cycles
3 H (bottom) - 4 H - 5 H (bottom + walls)



Cable
30 m

AUTOMATIC SUCTION CLEANERS FOR COMMERCIAL POOLS



Ultra 500



Pool cleaner Ultra 500 for commercial pools up to 25 m. Cleans the floor, wall and waterline. With a gyroscope build in ensures the total coverage of the pool surface. It has three different programs: 3 h (floor only), 4 h (floor and wall), 5 h (floor and wall). Remote control, 3 meters of cable and a caddy. It has 3 high quality DC brushless motors. The pump capacity is 22 m³/h. It has 24 months of warranty.

Ultra 500 suction cleaner

Discount group	Code	Unit £
I	66015	4,280.65



Pool coverage
Bottom, walls and water line



Pool size
Up to 25 m and 165 m²



Cleaning cycles
3 - 4 - 5 H



Cable
30 m



Ultramax Gyro



Pool cleaner specially designed for public pools of up to 50 m. The unit is made of resistant materials for the toughest applications. Equipped with a gyroscope, it ensures the whole of the pool floor is covered. It includes a programmable power source with different cleaning programs, a remote control, 36 m or 45 m of cable and a stainless steel caddy. Fitted with 4 high quality brushless DC motors, the pump's motor gives it a suction flow of 37.7 m³/h, the possibility of setting the length of the cycles (from 3 to 9 hours) and of delaying their start time.

Ultramax Gyro with 36 m cable
Ultramax Gyro with 45 m cable

Discount group	Code	Unit £
I	60164	7,892.55
I	62268	8,046.46



Pool coverage
Bottom only



Pool size
Up to 50 m



Cleaning cycles
3 - 5 - 7 - 9 H



Cable
36 m / 45 m

MANUAL POOL CLEANERS - BLUE LINE RANGE

Blue Line

ASTRALPOOL



69661

Blue Line manual suction cleaner - wing-nut fastening

- 1 ½" 350 flexible pool cleaner
- 1 ½" 350 aluminium pool cleaner
- Triangular pool cleaner
- Oval pool cleaner

Discount group	Code	Unit £
A	69661	26.50
A	69673	33.50
A	69663	21.00
A	69664	20.00



69673



69663



69664



69656

Blue Line wall brush - wing-nut fastening

- Adjustable handle wall brush (48 cm)
- Fixed handle wall brush (50 cm)
- Multifunction manual brush

Discount group	Code	Unit £
A	69656	19.00
A	69658	15.00
A	69669	9.00



69658



69669

POOL CLEANING EQUIPMENT

MANUAL POOL CLEANERS - SHARK RANGE

Blue Line

ASTRALPOOL 



69665

Blue Line leaf skimmer - wing-nut fastening

- Plastic flat leaf skimmer
- Plastic net leaf skimmer fixed handle
- Aluminium net leaf skimmer

Discount group	Code	Unit £
A	69665	13.00
A	69666	14.00
A	69667	14.00



69666



69667

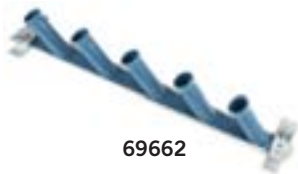


69659 - 69660

Blue Line handles - wing-nut fastening

- 1.8-3.6 m easy regulation aluminium handle
- 2.4-4.8 m easy regulation aluminium handle

Discount group	Code	Unit £
A	69659	28.00
A	69660	35.00



69662

Blue Line cleaning material wall bracket

- Cleaning material wall bracket

Discount group	Code	Unit £
A	69662	19.00



69668

Blue Line floating dispenser

- Floating dispenser for 200g tablets

Discount group	Code	Unit £
A	69668	10.50



HANDLES

Shark pool cleaner - wing-nut or wishbone fixing

	Discount group	Code	Unit £
Shark Flexo pool cleaner	A	36618	52.00
Shark Oval pool cleaner	A	40997	30.00
Shark Injected Aluminium pool cleaner	A	41625	78.00
Shark Triangular pool cleaner	A	36619	22.00



36618



40997



41625



36619

Shark brushes - wing-nut or wishbone fixing

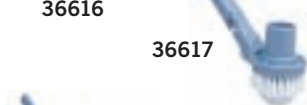
	Discount group	Code	Unit £
Shark special bottom curved brush	A	36615	15.00
Shark bottom/walls curved brush	A	36616	12.50
Shark corner suction brush	A	36617	14.00



36615



36616



36617

Shark leaf skimmers - wing-nut or wishbone fixing

	Discount group	Code	Unit £
Shark water surface leaf skimmer	A	36613	14.00
Shark deep water leaf skimmer	A	36614	19.00



36613



36614

Shark telescopic pole - wing-nut or wishbone fixing

	Discount group	Code	Unit £
Shark 1.8 - 3.6 m telescopic pole	A	38422	69.00
Shark 2.4 - 4.8 m telescopic pole	A	38423	81.00



38422 - 38423

Shark floating dispenser for 5 tablets

	Discount group	Code	Unit £
Floating dispenser for 5 tablets 200 g Shark	A	36620	14.00



Shark submergible analogue thermometer

	Discount group	Code	Unit £
Shark submergible analogue thermometer	A	36622	45.00



POOL CLEANING EQUIPMENT

SUCTION HOSES

Shark telescopic pole - wing-nut or wishbone fixing



Classic 1.8 - 3.6 m telescopic pole
Classic 2.4 - 4.8 m telescopic pole

Discount group	Code	Unit £
A	01359	74.00
A	01360	89.00

Classic reinforced telescopic pole - Public pools



Reinforced telescopic pole, aluminium
2.5 - 5 m
3.75 - 7.5 m
5 - 10 m
6.5 - 13 m

Discount group	Code	Unit £
A	01361	144.00
A	15838	214.00
A	01362	313.00
A	01363	364.00

Hose adapter



For connecting wing nut assembly to clip hose or clip assembly to wing nut hose.

Adapts the wishbone handle connection to wing-nut connection
Adapts the reinforced pole connection to wing-nut connection

Discount group	Code	Unit £
A	08465	21.00
A	17937	35.00

Hose adapter



For connecting wing nut assembly to clip hose or clip assembly to wing nut hose.

Adapts the connection hose clip to wing nuts

Discount group	Code	Unit £
A	14592	20.00

Thermometers



Celsius & Fahrenheit scale.

Discount group	Code	Unit £
A	20594	14.00

Floating thermometers ZOO



Celsius & Fahrenheit scale.

Basic line. Desktop display. This includes:
6 models of each one: duck, dolphin, frog and whale
Duck model
Dolphin model
Frog model
Whale model

Discount group	Code	Unit £
A	66058	131.00
A	38613	5.20
A	58652	5.20
A	58653	5.20
A	58654	5.20



SUCTION HOSES



Hose connectors



Ø 38 mm for connections to inlets 16328, 16329, 16330, in white ABS
 Ø 50 mm connections to inlets 00315, grey PP

Discount group	Code	Unit £
A	05684	5.70
A	01392	4.50

Hose fitting



White ABS plastic.

For Ø 38 mm hose, male thread 1½"

Discount group	Code	Unit £
A	01393	4.40

Hose cuffs



Made in blue PVC

For Ø 38 mm (01372) hose
 Only for vac inlets 24415
 For Ø 38 mm hose (01372)
 For Ø 50 mm hose (01373)

Made in flexible white PVC

For Ø 38 mm hose (01374-01375, 01376-01377-01378)
 For Ø 50 mm hose (01379)

Discount group	Code	Unit £
A	07958	4.00
A	01385	4.20
A	01386	7.00
A	01387	2.60
A	01388	6.70

Floating suction hose



Transparent blue Polyethylene hose.

Ø 38 mm (1½") 30 metre roll
 Ø 50 mm (2") 30 metre roll

Discount group	Code	Unit £
A	01372	168.00
A	01373	243.00

Floating suction hose boxed



Blue plastic. Includes connecting cuffs., except in the 30 m hose (01374, 01379).

Ø 38 mm (1½")

30 m
 15 m
 12 m
 10 m
 8 m

Ø 50 mm (2")

30 m

Discount group	Code	Unit £
A	01374	99.00
A	01375	54.00
A	01376	43.00
A	01377	36.00
A	01378	32.00
A	01379	176.00

Hose roller



For hoses of up to 15 metres.

Hose roller

Discount group	Code	Unit £
A	66042	58.00





POOL LIGHTING

- 176 • LED lighting - LumiPlus
- 188 • LED lighting - Control systems
- 190 • LED lighting - LumiPlus - Price list
- 193 • Halogen lighting - Price list
- 194 • Niches
- 195 • Niches - Price list
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LED LIGHTING - LUMIPLUS



AstralPool Lumiplus is the most extensive family in the market of underwater spotlights for public, commercial and residential pools.

The entire Lumiplus range is made of high-quality LEDs and electronic components, and is manufactured entirely in the EU to European quality standards.

The AstralPool Lumiplus family delivers:

- Greater energy efficiency.
- High performance floodlights with top quality lighting (TQL) technology.
- Enhanced energy efficiency in pools thanks to the use of Lumiplus DC lamps and projectors run from a direct current power source (24 V DC).
- Great control over the range with the inclusion of the Internet of Pools (IoT) concept by Fluidra Connect.
- IP68 protection rating.

The most comprehensive range for every type of pool



PROJECTOR

LumiPlus Flexi New

The LED solution that adapts to every type of pool

The new LumiPlus projectors, FlexiNiche, FlexiSlim and FlexiRapid, are characterised by their more stylish finish and their great adaptability to any type of new-build or existing pool, whether a liner or concrete pool, that can be fitted to niches on the surface or in bushings.

“AstralPool’s new LumiPlus Flexi system delivers top flexibility”



WHITE ANTHRACITE BEIGE LIGHT
GREY GREY GREY GREY



PROJECTOR

New

LumiPlus Flexi

The LED solution that adapts to all types of pool



The new family of LumiPlus Flexi spotlights, FlexiNiche, FlexiSlim and FlexiRapid, is characterized by its great adaptability to any type of new-build and existing liner or concrete pool and can be fitted in a niche, on the surface or to bushing.

Maximum flexibility with the new LumiPlus Flexi system by AstralPool.

Ideal for public/hotel pools and residential pools in version V2 and V1, respectively.

LumiPlus Flexi is made up of 3 components

1



Light chip

2



Niche

3



Faceplate

The 3 components are required for the proper installation of FlexiNiche and FlexiRapid.



LumiPlus FlexiNiche



LumiPlus FlexiSlim



LumiPlus FlexiRapid

* Resistant to salt water

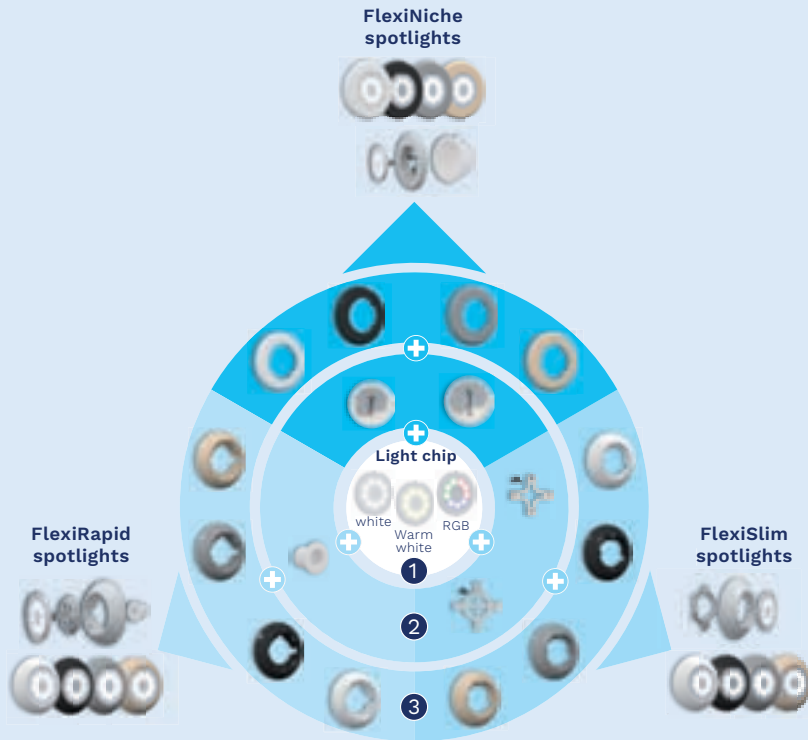
LED LIGHTING - LUMIPLUS



LumiPlus Flexi projectors - The LED solution that adapts to every type of pool

The new family of LumiPlus Flexi spotlights – FlexiNiche, FlexiSlim and FlexiRapid – is characterised by its great adaptability to any type of new-build or existing pool, whether a liner or concrete pool, that can be fitted to niches, on the surface or in bushings. The new LumiPlus Flexi system delivers top flexibility. Versions V1 and V2 are ideal for public/hotel pools and residential pools, respectively.

Note: To correctly light a pool, it is advisable to install a LumiPlus Flexi V1 for every 20m² of water surface or a LumiPlus Flexi V2 for every 25m² of water surface. Floodlights should always be installed submerged in water.



Faceplate colours available:
white, Anthracite grey, light grey and beige

	LumiPlus FlexiNiche	LumiPlus FlexiSlim	LumiPlus FlexiRapid
Type of installation	Niche Ø180 - Ø230	Walls	INLET
Ø of faceplate	294 mm	290 mm	257 mm
Depth of faceplate	20 mm	51 mm	48 mm

How to install them?

LumiPlus FlexiNiche

LumiPlus FlexiSlim

LumiPlus FlexiRapid



LumiPlus FlexiNiche



LumiPlus FlexiSlim



LumiPlus FlexiRapid

LumiPlus Flexi LED configurator



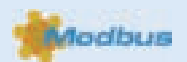
<https://www.astralpool.com/configurador-led-lumiplus-flexi>



The models with RGB light are compatible with Fluidra Connect.



Seawater-proof.



LED LIGHTING - LUMIPLUS



LumiPlus Flexi projectors - Selection guide

Follow the steps below to choose the LumiPlus Flexi that best suits your pool:

		Niche				Walls				Inlet			
1 Select colour of light	RESIDENTIAL V1 White 1,485 lm / RGB 1,100 lm	PUBLIC/HOTEL V2 White 4,320 lm / RGB 2,544 lm		RESIDENTIAL V1 White 1,485 lm / RGB 1,100 lm	PUBLIC/HOTEL V2 White 4,320 lm / RGB 2,544 lm		RESIDENTIAL V1 White 1,485 lm / RGB 1,100 lm	PUBLIC/HOTEL V2 White 4,320 lm / RGB 2,544 lm					
	V1 - AC	V1 - DC	V2 - AC	V2 - DC	V1 - AC	V1 - DC	V2 - AC	V2 - DC	V1 - AC	V1 - DC	V2 - AC	V2 - DC	
	WHITE	White 16W 	White 14W 		White 32W 	White 16W 	White 14W 		White 32W 	White 16W 	White 14W 		White 32W
		Warm white 16W 	Warm white 14W 		Warm white 32W 	Warm white 16W 	Warm white 14W 		Warm white 32W 	Warm white 16W 	Warm white 14W 		Warm white 32W
	RGB	RGB 22W 		RGB 43W 		RGB 22W 		RGB 43W 		RGB 22W 		RGB 43W 	
		Wireless 22W 		RGB-DMX 43W 		Wireless 22W 		RGB-DMX 43W 		Wireless 22W 		RGB-DMX 43W 	
2 Select a model according to the type of installation	<p>Ø230 mm models</p>		<p>Ø180 mm models</p>		<p>Compatible with the brackets for Flat, Extraflat and Slim projectors by AstralPool</p>			<p>FlexiSlim adapter for new-build pools</p>		<p>Any bushing with 1 1/2 inch internal thread</p>			
3 Select faceplate colour	FlexiNiche <p>WHITE ANTHRACITE BEIGE LIGHT GREY</p>				FlexiSlim <p>WHITE ANTHRACITE BEIGE LIGHT GREY</p>				FlexiRapid <p>WHITE ANTHRACITE BEIGE LIGHT GREY</p>				

All models with RGB light are compatible with Fluidra Connect.

Seawater-proof.



Power pack supplied with FLEXI DC spotlights

Note: AC - Alternating current. DC - Direct current

LED LIGHTING - LUMIPLUS



LumiPlus Flexi projectors - Components required to install a LumiPlus Flexi

Choose from among the components according to your requirements:

- New-build pools - FlexiNiche or FlexiRapid: 1+2+3
- New-build pools - FlexiSlim: 1+3
- Replacement without changing niche: 1+3

1 SPOTLIGHT		Code	Code
		V1	V2
	White AC LumiPlus Flexi spotlight	71200	
	White warm AC LumiPlus Flexi spotlight	71200WW	
	White DC LumiPlus Flexi spotlight	71201	71202
	White warm DC LumiPlus Flexi spotlight	71201WW	71202WW
	RGB AC LumiPlus Flexi spotlight*	71203	71204
	Wireless AC LumiPlus Flexi spotlight*	71205	
	Wireless AC 1 PL LumiPlus Flexi spotlight + 1 Control Motion	71206	
	Wireless AC 2 PL LumiPlus Flexi spotlight + 1 Control Motion	71207	
	DMX RGB AC LumiPlus Flexi spotlight*		71208

All spotlights come with a 2.5 m power cable. Power cables of 5 m, 10 m and 15 m available on request.
* Choose the most suitable remote control (see control systems section)

2 NICHE		Code
	NICHE Ø230	
	Ø230	00349
	Niche for prefabricated pools with inserts	00364
	Niche for prefabricated pools without inserts	28887
	Niche for panel pools with inserts	23671
	RAPID INLET	
	Inlet for concrete pools with 1 1/2" threaded Ø63 PN-6 piping	35418
	Inlet for concrete pools with 1 1/2" threaded Ø63 PN-10 piping	35421
	Inlet for liner prefabricated pools with 1 1/2" thread	27084
	Inlet for polyester prefabricated pools	38805

Other Ø230 and Ø180 niches also available (see catalogue).

3 TRIM		Code
	NICHE Ø230 - Ø180	
	white	71209
	White	71209CL090
	Light Grey	71209CL129
	Anthracite grey	71209CL144
	SLIM	
	White	71210
	Beige	71210CL090
	Light Grey	71210CL129
	Anthracite grey	71210CL144
	RAPID	
	White	71211
	Beige	71211CL090
	Light Grey	71211CL129
	Anthracite grey	71211CL144

SETS OF WHITE FACEPLATE + WHITE SPOTLIGHT		Code	Code
		WHITE AC	WHITE DC
	Assembly with white faceplate + white FlexiNiche light chip	71212	71213
	Assembly with white faceplate + white FlexiSlim light chip	71214	71215
	Assembly with white faceplate + white FlexiRapid light chip	71216	71217

AC - Alternating current DC - Direct current













LED LIGHTING - LUMIPLUS



LumiPlus lights for PAR56 V2 floodlights

To correctly light a pool it is advisable to install a light from the LumiPlus V2 range every 25 m² of water surface.

Note: this recommendation applies to pools light in colour with white light spotlights, but if there are RGB spotlights more should be fitted. In dark or stainless steel pools it is recommended to use more projectors per m².

























	DC PAR56 V2 lamp				Rated voltage: 12 V AC. Protection rating: IPX8. Includes 220 V AC - 24 V DC power pack. Does not work with 220 V AC-12 V AC electromagnetic transformers. The PAR56 lamp can be ordered with the following emission colours: red, green blue.
	Light Colour	Code	Consumption	Light intensity	
White	 67516 	32W	4.320 lm		
Warm white	 67516WW 				
	PAR56 V2 light				Rated Voltage: 12 V AC. Protection: IPX8. Cable not included. It always has to be installed submerged in water. Made to order, is possible to supply the PAR56 LEDs lamp in this emission of colours: Red / Green / Blue / Warm White / Cool White / Neutral White.
	Light Colour	Code	Consumption	Light intensity	
	RGB 	 43411 	48W (64VA)	2.544 lm	
RGB DMX 	 45637 	48W (64VA)	2.544 lm		



LumiPlus lights for PAR56 V1 floodlights

To correctly light a pool it is advisable to install a light from the LumiPlus V1 range every 20m² of water surface.

Note: this recommendation applies to pools light in colour with white light spotlights, but if there are RGB spotlights more should be fitted. In dark or stainless steel pools it is recommended to use more projectors per m².

	DC PAR56 V1 lamp				Rated voltage: 12V AC. Protection rating: IPX8. Includes 220 V AC - 24 V DC power pack. Does not work with 220 V AC-12 V AC electromagnetic transformers. The PAR56 lamp can be ordered with the following emission colours: red, green blue.		
	Light Colour	Code	Consumption	Light intensity			
White	 67515 	14W	1.485 lm				
Warm white	 67515WW 						
	PAR56 V1 light				Rated Voltage: 12 V AC. Protection: IPX8. Cable not included. It always has to be installed submerged in water. Made to order, is possible to supply the PAR56 LEDs lamp in this emission of colours: Red / Green / Blue / Warm White / Cool White / Neutral White.		
	Light Colour	Code	Consumption	Light intensity			
	White	 52596 	16W (24VA)	1.485 lm			
Warm white	 52596WW 						
RGB 	 56001 	27W (37VA)	1.100 lm				
	Wireless PAR56 V1 light						
		1 light + 1 Control Motion	2 lights + 1 Control Motion	1 lamp RGB 1.11 Wireless	Consumption per lamp	Luminous flux per lamp	Rated voltage: 12 V AC. Protection rating: IPX8. Cable not included. Must always be installed underwater. The LumiPlus Control Motion remote control is not waterproof.
		 59126 	 59127 	 59124 	27W (37VA)	1.100 lm	
	Pack of 8 boxes with 2 lams + Control Motion with their respective display stand 						
		 59127K 					



Fluidra Connect-compatible if installed with the LumiPlus RGB modulator + Fluidra Connect module



Seawater-proof

LED LIGHTING - LUMIPLUS



Floodlight design

To correctly light a pool it is advisable to install a floodlight from the LumiPlus Design range every 25 m² of water surface.

Note: this recommendation applies to pools light in colour with white light spotlights, but if there are RGB spotlights more should be fitted. In dark or stainless steel pools it is recommended to use more projectors per m².

The projector must be always be submerged in water.

Floodlights for installation in "Design" type niches (not included)

The RGB model is compatible with LumiPlus Eco, LumiPlus Top, LumiPlus LED APP and LumiPlus Modbus controls. The RGB DMX model requires the LumiPlus DMX 41107 modulator.

	Light Colour	Type of faceplate		Consumption	Luminous flux		
		White	Stainless steel effect				
	RGB DMX	59811	59809	40W (55VA)	2544 lm		Rated voltage: 12V AC. IPX8 protection. Includes 2.5 m H07RN-F 2x1.5 mm ² cable. Adaptor kit available for other niche types from diameter 180 to 190 mm.
	White	59807	59805	45W (50VA)	4320 lm		
	RGB	59803	59801	40W (50VA)	2544 lm		

Niches for floodlight design

	Niches				
	Concrete pool	Prefabricated pools		Fixing kit for other niches	
		With inserts	Without inserts		
	59813	59814	59815	59818*	Compatible with: LumiPlus Design series. *Compatible with the majority of niches from Ø180 to Ø190 mm on the market (Hugo Lahme, MTS Productsts, Wibre...).



Fluidra Connect-compatible if installed with the LumiPlus RGB modulator + Fluidra Connect module



Seawater-proof

LED LIGHTING - LUMIPLUS







Stainless steel PAR56 floodlight – AISI-316

To correctly light a pool it is advisable to install a floodlight from the LumiPlus V1 range every 20m² of water surface or a LumiPlus V2 floodlight every 25m² of water surface. These recommendations are valid for light coloured pools and white light floodlights; oversize in RGB colours, darker coloured pools or stainless steel pools. Floodlights should always be installed submerged in water.

Supplied with cable duct with a PG 16 thread and PG16 to M25 converter.

Niche not supplied - install with the 54102 stainless steel niche for concrete pools or the 54103 for liner/prefabricated pools.

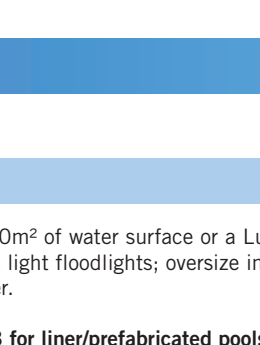
The RGB model is compatible with LumiPlus Eco, LumiPlus Top, LumiPlus app and LumiPlus Modbus controls.

Stainless steel PAR56 projector						
Light Colour	Image	V1	Faceplate		Consumption	Luminous flux
			Ø 250 mm	Ø 295 mm		
RGB		V1	54094	54099	27W (37VA)	1100 lm
White			7165 New	7166 New	14 W (14 VA)	1485 lm
RGB		V2	54092	54097	48W (64VA)	2544 lm
white			7166 New	7166 New	32 W (32 VA)	4320 lm

RGB:
Nominal voltage: 12 V AC.
IPX8 protection rating
Includes 2.5 m H07RN-F 2x1.5 mm² cable.

White:
Nominal voltage: 12 V AC.
IPX8 protection rating
2.5 m H07RN-F 2x1.5 mm² cable.
Includes 220 V AC-24 DC power pack.
Does not work with 220V AC-12V AC electro-magnetic transformers.
PAR56 light can be supplied on request in the following emission colours: red, green, blue, warm white or neutral white.

Niche for stainless steel PAR56 floodlight

Image	Niche		
	Concrete pool	Prefabricated/liner pools	
		With inserts	Without inserts
	54102	54103	

Compatible with: Stainless steel PAR56 range.



New white projectors with a power pack.

LED LIGHTING - LUMIPLUS



LumiPlus MINI V3 floodlights

Range of floodlights to be integrated in the pool. Very easy to install. Suitable for installation in bushings, connector inlets, niches and spas. Available in white and stainless steel effect finish. Manufactured with IMD (in-mould decoration) technology.

	MINI V3 floodlight							
	Colour	Faceplate	Concrete	Prefabricated/ Liner	SPAS	Consumption	Light	
	RGB 	white	59971	69633	59973	4 W (6 VA)	186 lm	Rated voltage: 12V AC. IPX8 protection. 2.5 m H07RN-F 2 x 1 mm ² cable. They must be installed submerged in water. The RGB model is compatible with all LumiPlus control devices.
		Stainless steel effect	59972	69634	59974			
	RGB DMX	white	59975	69635	59977	4 W (4 VA)	186 lm	
		Stainless steel effect	59976	69636	59978			
	White	white	59979	69637	59981	4 W (7 VA)	315 lm	
		Stainless steel effect	59980	69638	59982			

Niches for LumiPlus MINI V3 and LumiPlus FlexiRapid projectors

Niches for LumiPlus MINI V3							
Concrete pools				Prefabricated pools			
				Liner	Fibreglass		
Bushing / Tube ø63 PN-6 / PN-10	1"½ threaded inlet Ø 63 PN-6 piping	1"½ threaded inlet Ø 63 PN-10 piping	Niche	1 ½" thread inlet	Niche	INLET	Snap-in LumiPlus Mini niches (for concrete or prefabricated/liner pools) can also be installed.
62395	35418	35421	53956	27084	59983	38805	



Fluidra Connect-compatible if installed with the LumiPlus RGB modulator + Fluidra Connect module



Seawater-proof



LED LIGHTING - LUMIPLUS







LumiPlus MINI V2 floodlights

To correctly light a pool it is advisable to install a floodlight from the LumiPlus Mini V2 range every 5 m² of water surface. NB: recommendations valid for light coloured pools and white light floodlights; oversize in RGB colours. In darker coloured pools or stainless steel pools, we recommend oversizing the proportion of floodlights per m².

Floodlights may be installed both in and out of the water. Niche according to model; not included and needed to finish the installation. The RGB model is compatible with LumiPlus Eco, LumiPlus Top, LumiPlus LED APP and LumiPlus Modbus controls. The RGB DMX model requires the LumiPlus DMX 52142 feed controller (see page 189). The RGB floodlight can be installed with the 27818 modulator and control a power charge of up to 900VA.

	Snap-in MINI V2 floodlight				Rated voltage: 12V AC. IPX8 protection. Includes 2.5 m H07RN-F 2x1.5 mm ² cable. May be installed both in and out of the water. Compatible with a 63 bushing (code 15661) or snap-in mini niche (not included) code 53596. Select the appropriate option for each pool (see page 194).	
	Light Colour	Type of faceplate		Consumption		Light
		white	S.S.			
RGB 	52124	52125	4W (7VA)	186 lm		
White	52130	52131	4W (6VA)	315 lm		
RGB DMX	52136	52137	4W (4VA)	186 lm		

	MINI V2 floodlight for SPA and prefabricated pool				Rated voltage: 12V AC. IPX8 protection. Includes 2.5 m H07RN-F 2x1.5 mm ² cable. Fastened between a threaded bolt and 2" nut.	
	Light Colour	Type of faceplate		Consumption		Light
		white	S.S.			
RGB 	52126	52127	4W (7VA)	186 lm		
White	52132	52133	4W (6VA)	315 lm		
RGB DMX	52138	52139	4W (4VA)	186 lm		

	MINI V2 floodlight for Mini Niche (light point)				Rated voltage: 12V AC. IPX8 protection. Includes 2.5 m H07RN-F 2x1.5 mm ² cable. Compatible with mini niche (not included). Select the appropriate option for each pool (see page 194).	
	Light Colour	Type of faceplate		Consumption		Light
		white	S.S.			
RGB 	52128	52129	4W (7VA)	186 lm		
White	52134	52135	4W (6VA)	315 lm		
RGB DMX	52140	52141	4W (4VA)	186 lm		



 Fluidra Connect-compatible if installed with the LumiPlus RGB modulator + Fluidra Connect module



LED LIGHTING - LUMIPLUS



LumiPlus MICRO floodlights







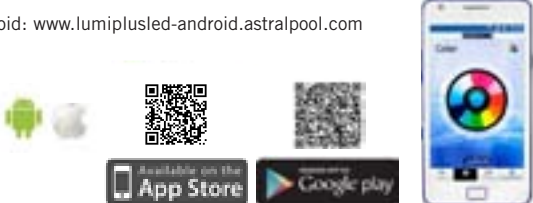
To illuminate a pool properly, it is recommended that a spotlight from the LumiPlus Micro family be installed for every 5 m² of water surface.
 Note: this recommendation applies to pools light in colour with white light spotlights, but if there are RGB spotlights more should be fitted. In dark or stainless steel pools it is recommended to use more projectors per m².
 The RGB model is compatible with LumiPlus Eco, LumiPlus Top, LumiPlus app and LumiPlus Modbus controls.
 The RGB DML model is comparable with the LumiPlus DMX 52142 feed controller (see page 189).

	Fast assembly MICRO lights				Rated Voltage: White: 12V AC (RGB & White) Protection: IPX8. Cable: 2,5 m. H07RN-F section 2x1,5 mm ² . It is possible to be installed inside or outside the water. RGB light can be installed with the Modulator, code 27818 and control up to 900 VA. RGB-DMX lights are going to be installed together with the DMX Power supply, code 52142 (maximum 9 lights).	
	Light Colour	Type of faceplate		Consumption		Light
		White	S.S.			
RGB 	64552	64553	4W (7VA)	186 lm		
White	38814	38816	6W (9VA)	315 lm		
RGB DMX	64557	64558	4W (4VA)	186 lm		

	MICRO lights for SPA and prefabricated pool				Rated Voltage: White: 12V AC (RGB & White) Protection: IPX8. Cable: 2,5 m. H07RN-F section 2x1,5 mm ² . It is possible to be installed inside or outside the water. RGB light can be installed with the Modulator, code 27818 and control up to 900 VA. RGB-DMX lights are going to be installed together with the DMX Power supply, code 52142 (maximum 9 lights).	
	Light Colour	Type of faceplate		Consumption		Light
		White	S.S.			
RGB 	64554	64555	4W (7VA)	186 lm		
White	40765	40766	6W (9VA)	315 lm		
RGB DMX	64559	64560	4W (4VA)	186 lm		

Models with various existing light points as well.

LED LIGHTING - CONTROL SYSTEMS

System		Codes	Description	Floodlights
LumiPlus RGB ECO		32458	<p>The simplest and most economical colour change system.</p> <p>LumiPlus Eco is a push-button switch that allows 14 modes of operation: 7 fixed colours and 7 different colour sequences.</p> <p>Each time the push button is pressed, the colour or sequence will change. By pressing for several seconds, the light is white.</p> <p>The push button must be sized to withstand the power consumed by the number of lights in the facility.</p> <p>Maximum charge 700 VA. Must be connected in the transformer primary.</p>	Any LumiPlus RGB floodlight.
LumiPlus WIRELESS	LumiPlus Control Motion 	59125	<p>Colour change CONTROL in your hand.</p> <p>The LumiPlus Control Motion remote control enables wireless floodlight control, directly offering on/off options, 12 colour changes, 8 sequence changes and sequence speed.</p> <p>It also detects movement, letting you activate colours and sequences by vertical and horizontal movements, respectively.</p> <p>Compatible with the LumiPlus Wireless range of floodlights only.</p> <p>Can control 2 wireless floodlights.</p>	Flexi V1 RGB Wireless PAR56 V1 RGB Wireless S-Lim V1 RGB Wireless Rapid V1 RGB Wireless
	LumiPlus Wireless Range Extender 	64633	<p>Allows expansion of the signal that the LumiPlus Control Motion sends to the floodlights with the wireless control system.</p> <p>Ideal for facilities whose architectural features or floodlights installation makes it hard for the LumiPlus Control Motion signal to reach the wireless floodlights properly.</p>	
LumiPlus RGB TOP		27818 + 41988	<p>The LumiPlus TOP system for the remote control of pool colour changes.</p> <p>System comprising the 27818 modulator and 41988 remote control that enables the control of a large number of floodlights. The modulator has an antenna with a 50m range to receive the signal from the remote control (bought separately).</p> <p>The LumiPlus TOP system enables:</p> <ul style="list-style-type: none"> • Floodlight on/off action. • Colour selection: 12 fixed colours available. • Sequence selection: 8 sequences available. • Sequence speed selection: 8 speeds available for each sequence. <p>Supplied separately. A total of 10 LumiPlus modulators can be synchronised.</p>	Any LumiPlus RGB floodlight.
LumiPlus LED APP LumiPlus WIFI	Existing installation 	59131	<p>Control your pool lighting from your smartphone.</p> <p>App to check LumiPlus lights and floodlights from an Android or iOS smartphone or tablet.</p> <p>If the pool has a LumiPlus 27818 modulator, you can control your LumiPlus lights or spotlights from your smartphone or tablet just by installing the LumiPlus Wi-Fi access point together with the modulator. The LumiPlus app should only be installed as an additional feature to the LumiPlus Modulator. It offers a range of 12 colours and 8 sequences or colour change programs.</p>	To control any LumiPlus RGB floodlight
	New installation 	59132	<p>Free app you can download directly from the following sites:</p> <p>Apple: www.lumiplusled-ios.astralpool.com</p> <p>Android: www.lumiplusled-android.astralpool.com</p> 	

LED LIGHTING - CONTROL SYSTEMS

System		Codes	Description	Floodlights
LumiPlus Modbus FLUIDRA CONNECT 			Control your pool lighting anywhere, anytime.	
	Existing installation	 57434	<p>The Modbus protocol enables the control of the LumiPlus modulator. It can be used to switch the floodlights on and off, change their colours and sequence speed and set the time for putting the floodlights in sleep mode.</p> <p>Download the Fluidra Connect app for instant information about the state of your pool 365 days a year. Fluidra Direct is peace of mind, comfort and leisure. In addition to controlling floodlights, LumiPlus lets you control the filtration, water treatment and more of your pool through the Modbus protocol.</p>	Can control any LumiPlus floodlight
	New installation	 57435	<p>The LumiPlus Modbus should only be installed as an additional feature to the LumiPlus 27818 modulator for correct installation and operation.</p>	
		System to prepare lighting scenes for fountains and large aquatic spaces		
LumiPlus RGB DMX	RGB DMX Modulator	 41107	<p>DMX LED projector modulator/12V AC</p> <ul style="list-style-type: none"> DMX receiver for the Flexi, PAR56, S-LIM and Design ranges. Interprets the commands received from the DMX controller and makes the projectors work. Operates at 12V AC. 	Can control any LumiPlus RGB-DMX floodlight
	RGB-DMX power pack	 52142	<p>Product designed exclusively for use with V2 and V3 Mini LED and RGB DMX Micro floodlights.</p> <p>The power pack can control up to 9 floodlights, receiving orders from the system's DMX controller (Astral DMX 41329 or Astral DMX Pro 41330) via the DMX bus and acting on the floodlights that are connected.</p> <p>The power pack has been designed to be used solely with DMX protocol and 24V DC DMX controllable parts from AstralPool.</p>	
	DMX controller	 41329	<p>System that makes it possible to single out lights individually or by groups.</p> <p>Total control for fountain lighting by means of a PC or through a programmable, autonomous module.</p> <p>Includes the Astral DMX module (USB-DMX interface) and intuitive software, giving users full control over a floodlight or group of floodlights.</p> <p>Makes it possible to choose a desired colour from among more than 16 million colours.</p>	
	DMX PRO controller	 41330	<p>This system is the ideal solution for creating practically indefinite scenes with spectacular results.</p> <p>System advantages/benefits:</p> <ul style="list-style-type: none"> Very accurate (and coordinated) control over the lights (light and intensity control). Supports a lot of equipment, operating independently or combined. Great versatility to form sequences. The AstralPool DMX system does not require any additional wiring for floodlights with PAR 56 lights. 	

LED LIGHTING - LUMIPLUS - PRICE LIST

New



Cables also available to buy:

- 5 metres
- 10 metres
- 15 metres
- 20 metres
- 25 metres
- 30 metres

LumiPlus Flexi projectors

	Discount group	Code	Unit £
Spotlights			
LumiPlus Flexi V1			
White AC LumiPlus Flexi spotlight	A	71200	176.00
White warm AC LumiPlus Flexi spotlight	A	71200WW	176.00
White DC LumiPlus Flexi spotlight	A	71201	196.00
White warm DC LumiPlus Flexi spotlight	A	71201WW	196.00
RGB AC LumiPlus Flexi spotlight*	A	71203	222.00
Wireless AC LumiPlus Flexi spotlight*	A	71205	281.00
Wireless AC 1 PL LumiPlus Flexi spotlight + 1 Control Motion	A	71206	414.00
Wireless AC 2 PL LumiPlus Flexi spotlight + 1 Control Motion	A	71207	695.00
LumiPlus Flexi V2			
White DC LumiPlus Flexi spotlight	A	71202	331.00
White warm DC LumiPlus Flexi spotlight	A	71202WW	331.00
RGB AC LumiPlus Flexi spotlight*	A	71204	371.00
DMX RGB AC LumiPlus Flexi spotlight*	A	71208	566.00
Niches and inlets			
Ø230 niche	A	00349	21.00
for prefabricated pools with inserts	A	00364	55.00
for prefabricated pools without inserts	A	28887	57.00
for panel pools with inserts	A	23671	58.00
for panel pools without inserts	A	23670	49.00
Rapid inlet - 1½" thread	A	35418	6.00
for concrete pools 1½" threaded Ø63 PN-6 piping	A	35421	5.50
for concrete pools 1½" threaded Ø63 PN-10 piping	A	27084	19.50
for liner prefabricated pools with 1 1/2" thread	A	38805	8.50
for polyester prefabricated pools	A		
Trim			
Ø230 - Ø180 niche			
White	A	71209	71.00
Beige	A	71209CL090	78.00
Light grey	A	71209CL129	75.00
Anthracite grey	A	71209CL144	76.00
Slim			
White	A	71210	63.00
Beige	A	71210CL090	72.00
Light grey	A	71210CL129	69.00
Anthracite grey	A	71210CL144	70.00
Rapid			
White	A	71211	36.00
Beige	A	71211CL090	39.00
Light grey	A	71211CL129	38.00
Anthracite grey	A	71211CL144	38.00
Sets of white faceplate + white spotlight			
White AC			
FlexiNiche	A	71212	247.00
FlexiSlim	A	71214	242.00
FlexiRapid	A	71216	212.00
White DC			
FlexiNiche	A	71213	267.00
FlexiSlim	A	71215	261.00
FlexiRapid	A	71217	231.00

LED LIGHTING - LUMIPLUS - PRICE LIST

PAR 56 LED Bulbs only



52596-52596WW-56001



43411-45637

PAR56 V1 white Bulb
 PAR56 V1 warm white Bulb
 PAR56 V1 RGB Bulb

PAR56 V2 RGB Bulb
 PAR56 V2 DMX RGB Bulb

Discount group	Code	Unit £
A	52596	198.00
A	52596WW	198.00
A	56001	313.00
A	43411	502.00
A	45637	561.00

DC Bulbs only



67515-67515WW

DC PAR56 V1 white lamp
 DC PAR56 V1 warm white lamp

DC PAR56 V2 white lamp
 DC PAR56 V1 warm white lamp

Discount group	Code	Unit £
A	67515	205.00
A	67515WW	205.00
A	67516	410.00
A	67516WW	410.00



67516-67516WW

Lamps for PAR56 V2 Wireless projectors



1 lamp + 1 remote control
 2 lamps + 1 remote control
 1 lamp
 Pack 8 units code 59127
 (2 lamps + 1 remote control)

Discount group	Code	Unit £
A	59126	425.00
A	59127	716.00
A	59124	333.00
A	59127K	5,063.00

LumiPlus Design projectors



RGB light, S.S effect finish
 RGB light, Pure white finish
 RGB-DMX light, S.S effect finish
 RGB-DMX light, Pure white finish
 White light, S.S effect finish
 White light, Pure white finish

Discount group	Code	Unit £
A	59801	617.00
A	59803	590.00
A	59809	744.00
A	59811	707.00
A	59805	582.00
A	59807	555.00

LED LIGHTING - LUMIPLUS - PRICE LIST

LumiPlus PAR56 floodlights in stainless steel



- 1.11 RGB light Ø250 mm
- 1.11 RGB light Ø295 mm
- 1.11 White light Ø250 mm
- 1.11 White light Ø295 mm
- 2.0 RGB light Ø250 mm
- 2.0 RGB light Ø295 mm
- 2.0 White light Ø250 mm
- 2.0 White light Ø295 mm

Discount group	Code	Unit £
J	54094	551.00
J	54099	568.00
J	71659	470.00
J	71660	460.00
J	54092	899.00
J	54097	919.00
J	71661	846.00
J	71662	872.00

LumiPlus MINI V2 projectors



Fast assembly

- RGB light, ABS faceplate
- RGB light, S.S. faceplate
- White light, ABS faceplate
- White light, S.S. faceplate
- RGB DMX light, ABS faceplate
- RGB DMX light, S.S. faceplate

For spa and prefabricated pool

- RGB light, ABS faceplate
- RGB light, S.S. faceplate
- White light, ABS faceplate
- White light, S.S. faceplate
- RGB DMX light, ABS faceplate
- RGB DMX light, S.S. faceplate

For Mini Niche (spotlight)

- RGB light, ABS faceplate
- RGB light, S.S. faceplate
- White light, ABS faceplate
- White light, S.S. faceplate
- RGB DMX light, ABS faceplate
- RGB DMX light, S.S. faceplate

Discount group	Code	Unit £
A	52124	263.00
A	52125	278.00
A	52130	258.00
A	52131	272.00
A	52136	269.00
A	52137	284.00
A	52126	270.00
A	52127	285.00
A	52132	265.00
A	52133	279.00
A	52138	277.00
A	52139	291.00
A	52128	237.00
A	52129	256.00
A	52134	236.00
A	52135	254.00
A	52140	241.00
A	52141	261.00

LumiPlus MICRO projectors



Fast assembly

- RGB light, ABS faceplate
- RGB light, S.S. faceplate
- White light, ABS faceplate
- White light, S.S. faceplate
- RGB DMX light, ABS faceplate
- RGB DMX light, S.S. faceplate

For spa and prefabricated pool

- RGB light, ABS faceplate
- RGB light, S.S. faceplate
- White light, ABS faceplate
- White light, S.S. faceplate
- RGB DMX light, ABS faceplate
- RGB DMX light, S.S. faceplate

Discount group	Code	Unit £
A	64552	253.00
A	64553	300.00
A	38814	248.00
A	38816	293.00
A	64557	253.00
A	64558	300.00
A	64554	260.00
A	64555	307.00
A	40765	255.00
A	40766	301.00
A	64559	260.00
A	64560	307.00

LED LIGHTING - LUMIPLUS - PRICE LIST



LumiPlus RGB ECO control systems

	Discount group	Code	Unit £
N/C ECO push-button	A	32458	138.00



LumiPlus WIRELESS control systems

	Discount group	Code	Unit £
LumiPlus Control Motion Wireless	A	59125	164.00
LumiPlus Wireless Range Extender	A	64633	138.00



LumiPlus RGB TOP control systems

	Discount group	Code	Unit £
LumiPlus RGB modulator with antenna	A	27818	382.00
LumiPlus remote control	A	41988	161.00

LumiPlus LED APP, LumiPlus WIFI control systems

	Discount group	Code	Unit £
LumiPlus Wifi access point	A	59131	305.00
LumiPlus modulator + Wifi access point	A	59132	636.00



LumiPlus Modbus FLUIDRA CONNECT control systems

	Discount group	Code	Unit £
LumiPlus Fluidra Connect	A	57434	324.00
LumiPlus modulator + Fluidra Connect	A	57435	655.00

LumiPlus RGB DMX control systems

	Discount group	Code	Unit £
DMX Modulator	A	41107	476.00
RGB-DMX power pack for Mini 2.0 and Quadraled 2.0	A	52142	606.00
Software / DMX controller	A	41329	968.00
Software / DMX Pro controller	A	41330	3,089.00

HALOGEN LIGHTING - PRICE LIST






Lamps



	Discount group	Code	Unit £
PAR56, for projectors with niche	A	00370	57.00
Halogen, for extraflat and flat projectors	A	00371	25.00
Dicroic, for Mini projectors	A	19334	35.00



NICHES



Niches

	Standard niches					Compatible with: LumiPlus PAR56 series, Standard halogen lights and Global.
	Concrete pool	Prefabricated pools		Panels pool		
		With inserts	Without inserts	With inserts	Without inserts	
	00349 	00364	28887	23671	23670	

	AISI-36 stainless steel niches		Compatible with: LumiPlus stainless steel range, stainless steel incandescent floodlights.
	Concrete pools	Liner swimming pool	
	54102	54103	

	PS niches			Compatible with: PS halogen lights series and Global.
	Concrete pool	Prefabricated pools		
		With inserts	Without inserts	
00355 	-	00367		

	MINI niches			Compatible with: LumiPlus Mini 2.11 series and Mini halogen lights for niche.
	Concrete pool	Prefabricated pools	Panel pools	
	06967 	00369	49828	

	Fast assembly MINI niches		53956: Compatible with the LumiPlus Mini 2.11, LumiPlus Mini 3.13, LumiPlus Rapid and Mini halogen snap-in ranges. 59983: Compatible with the LumiPlus Mini 3.13 and LumiPlus Rapid ranges.
	Concrete pools	Prefabricated pools	
	53956 	59983	

NICHES - PRICE LIST



Niches for Design Lights

	Discount group	Code	Unit £
Concrete niche for Design	A	59813	31.00
Prefabricated niche for Design	A	59814	67.00
Fixing kit for other niches (wibre, hugo lahm, MTS)	A	59818	21.00



Niches for Standard Lights

	Discount group	Code	Unit £
Concrete Niche	A	00349	21.00
Niche for Prefabricated pools	A	00364	55.00
Niche for panel pools	A	23671	58.00



Stainless steel light niche

	Discount group	Code	Unit £
Stainless light niche concrete	A	54102	178.00
Stainless light niche liner	A	54103	256.88



Niche for mini light

	Discount group	Code	Unit £
Concrete niche for mini light	A	06967	68.00
Prefabricated niche for mini light	A	00369	74.00
Panel niche for mini light	A	49828	79.00



Niche for Mini Rapid and Rapid

	Discount group	Code	Unit £
1 ½" threaded inlet 63mm, PN 6	A	35418	6.00
1 ½" threaded inlet 63mm, PN 10	A	35421	5.50
Concrete niche	A	53956	41.00
Prefabricated niche	A	59983	68.00
Prefabricated pools 1 ½" threaded inlet	A	27084	19.50
Fibreglass inlet	A	38805	8.00

TRANSFORMERS AND ACCESSORIES

Transformers

	Discount group	Code	Unit £
300W Transformer 12V	A	74065	333.00
100W Transformer 12V	A	74067	198.00



Connection box with security cover

Manufactured in ABS, made up of three 3/4" inlets/outlets M-25 and 3/4" thread connections.

	Discount group	Code	Unit £
Standard version	A	30825	27.00



Connection box

In AISI-316 stainless steel. Two PG 15 thread side outlets with two PG16 to M25 converters. 3/4" BSP threaded bottom connection.

	Discount group	Code	Unit £
	J	00393	205.00



Flexible conduit hose

For connection from light to connection box, length 1 m hose.

	Discount group	Code	Unit £
Threaded ends 3/4" & M25	A	28138	9.30



Underwater connection kit

The kit has all the necessary components to carry out any watertight connection. Due to the properties of the product, the resin seals all gaps. Maximum safety, easy installation, in 2 hours it is ready to be submerged.

	Discount group	Code	Unit £
Kit for Ø 13 to 15 mm cables	A	32803	41.00
Kit for Ø 8 to 12 mm cables	A	35661	36.00



Overhead connector with IP68 protection rating and 4 poles

Has 5 connectors and two wrenches.

	Discount group	Code	Unit £
	A	71318	147.00

New

AQUARMONY UNDERWATER MUSIC SYSTEM



Aquarmony Loudspeaker

With frontal installation. To listen to music and voice underwater creating a magical and different atmosphere. Aquarmony is a sealed waterproof loudspeaker designed for your pool. It is made of high quality components, innovative technology and with an assembly system assuring a correct operation in salt water or with a high Chlorine content. Easy installation.



Aquarmony Loudspeaker
Niche for concrete pool
Niche for liner pool

Discount group	Code	Unit £
A	25680	1,640.00
A	00349	21.00
A	00364	55.00

Note: The niches come with a stuffing box assembly and a 1.5-m cable grommet specially designed for the Aquarmony range.



TECHNICAL FEATURES	
Maximum power	60 W
Impedance	4 ohm
Frequency	200-12000 Hz
Maximum area per loudspeaker	80 m ²
Maximum installation depth	40 cm
Weight	5 Kg
Cable length supplied	5 m





ORNAMENTAL WATER FEATURES

200 • Ornamental water features

NOTE: The water features do not include anchoring, pump, control panel or suction system.

ORNAMENTAL WATER FEATURES

Range of water curtains for residential pools made of 316 stainless steel. The range is made up of three water curtains in different, updated designs.

All models come with anchoring. A 1/2 HP pump is recommended (code 38769).

A-350 residential water curtain



A-350 residential water curtain (satin finish)
A-500 residential water curtain (AISI-316 S.S.)

Discount group	Code	Unit £
W	65104	685.00
W	65105	867.00



Classic water curtain



Classic water curtain AISI-316.

Discount group	Code	Unit £
W	57095	1,626.00



Straight water curtain



Straight water curtain AISI-316.

Discount group	Code	Unit £
W	57096	1,870.00



One water curtain



One water curtain AISI-316.

Discount group	Code	Unit £
W	57097	1,571.00

ORNAMENTAL WATER FEATURES



Cannon domestic

Cannon domestic in AISI-316 S.S.

Circular
Flat

Discount group	Code	Unit £
W	52242	339.00
W	52243	339.00

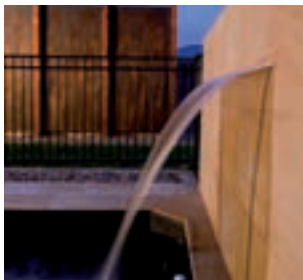


Curtain domestic

Curtain domestic in AISI-316 S.S.

Curtain A-350
Curtain A-500

Discount group	Code	Unit £
W	52244	731.00
W	52245	772.00

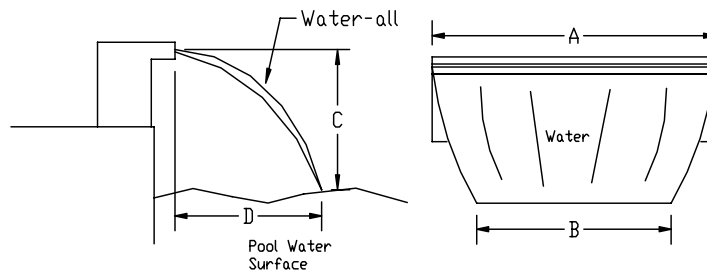


Silkflow Waterfall

Waterfall made of corrosion resistant ABS. Can be fed through the return circuit of the pool filter or pump.

300 mm waterfall
600 mm waterfall
900 mm waterfall
1200 mm waterfall

Discount group	Code	Unit £
W	45205	180.00
W	45206	210.00
W	45207	216.00
W	45208	296.00



Code	Required water flow l/min	Standard pump size ICV	A Length of waterfall	B Width of waterfall over the pool surface, at the recommended rate of l/min/m	C Recommended height for the waterfall	D Distance of the water at the recommended rate of l/min/m
45205	50	0.5	300 mm	200 mm	300 mm	300 mm
45206	100	0.5	600 mm	500 mm	600 mm	300 mm
45207	150	0.75	900 mm	800 mm	900 mm	300 mm
45208	200	0.75	1200 mm	1100 mm	900 mm	300 mm

NOTE: The water features do not include anchoring, pump, control panel or suction system.

ORNAMENTAL WATER FEATURES



Cobra Curtain



Height: 1.2 m. Width: 600 mm. Stainless Steel AISI-316.

Matte finish
Painted in white

Discount group	Code	Unit £
W	19972	1,707.00
W	19973	1,713.00



Boa Curtain



Height: 1.2 m. Width: 340 mm. Stainless Steel AISI-316.

Brightly polished

Discount group	Code	Unit £
W	19974	1,364.00



Deluxe Curtain



Height: 0.9 m. Stainless Steel AISI-316.

Brightly polished

Discount group	Code	Unit £
W	19975	2,760.00



Arched Curtain

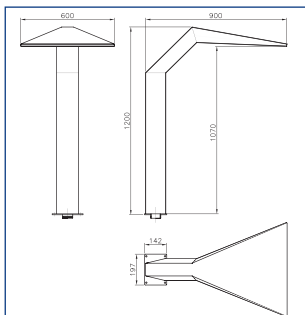


Stainless Steel AISI-316 matte finish.

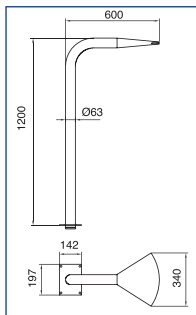
Width 600 mm, Height 800 mm
Width 600 mm, Height 1000 mm
Width 1000 mm, Height 1000 mm

Discount group	Code	Unit £
W	20129	2,126.00
W	20130	2,965.00
W	20131	4,408.00

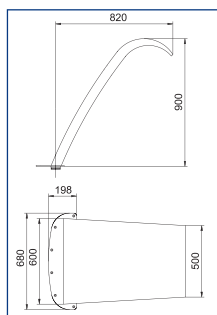
19972-19973



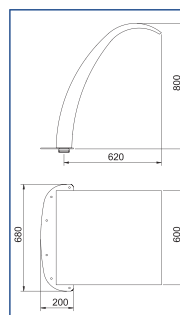
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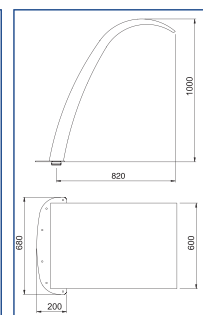
19975



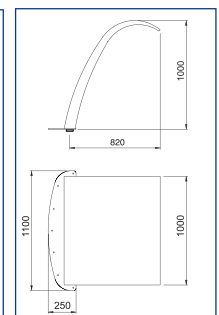
20129



20130



20131



Feature code	Base cover	Anchor			Suction		Pump	Control Box	
		Concrete	Concrete	Liner	Manual Switch	Pneumatic switch			
						Concrete		Liner	
19972	19981	19983	19987 x 3	20091 x 3	38780	19990	07537	07867	
19973	19982	19983	19987 x 3	20091 x 3	38780	19990	07537	07867	
19974	19977	19983	19987 x 2	20091 x 2	38776	19989	17154	17155	
19975	–	19985	19987 x 3	20091 x 3	38780	19990	07537	07867	
20129	–	19985	19987 x 3	20091 x 3	38780	19990	07537	07867	
20130	–	19985	19987 x 3	20091 x 3	38780	19990	07537	07867	
20131	–	20135	19987 x 3	20091 x 3	38780	19990	07537	07867	

Note: The pneumatic switch includes: control box, wall conduits and switch.

NOTE: The water features do not include anchoring, pump, control panel or suction system.



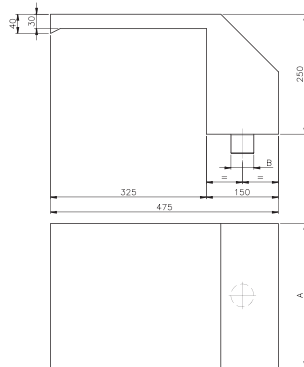
ORNAMENTAL WATER FEATURES



Waterfalls

Stainless Steel AISI-316.

Width 300 mm. Connection 1 1/2"
Width 600 mm. Connection 2"



Discount group	Code	Unit £
W	05577	464.00
W	05578	851.00

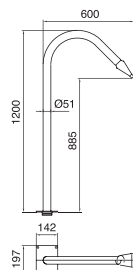
Feature code	Base cover	Anchor		Suction		Pump	Control Box		
		Concrete	Liner	Concrete	Liner		Manual switch	Pneumatic switch	
								Concrete	Liner
05577	-	-	-	19987 x 1	20091 x 1	38770	19988	07669	07868
05578	-	-	-	19987 x 2	20091 x 2	38776	19989	17154	17155

Note: The pneumatic switch includes: control box, wall conduits and switch.



Cannons

In AISI-316 Stainless Steel. (pipe only, without nozzles). Pipe: Ø 50 mm. Height 1.2 m.



Discount group	Code	Unit £
W	19968	940.00



Interchangeable nozzles



	Discount group	Code	Unit £
Nozzle No 1	W	05572	243.00
Nozzle No 2	W	05573	243.00
Nozzle No 3	W	05574	243.00
Nozzle No 4	W	05575	243.00

NOTE: The water features do not include anchoring, pump, control panel or suction system.



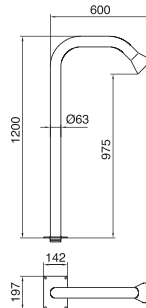
ORNAMENTAL WATER FEATURES

Bell



In Stainless Steel AISI-316. Pipe: Ø 63 mm. Height 1.2 m.

Discount group	Code	Unit £
W	19971	1,364.00



Deluxe Cannon



Stainless Steel polished AISI-316. Pipe: Ø 63 mm. Height: 0,8 mm.

Discount group	Code	Unit £
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Flat

W

19970

1,271.00



Circular

W

20132

1,446.00

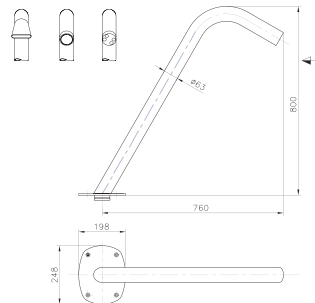


6 outlets

W

20133

1,446.00



19970-20132-20133

Feature code	Base cover	Anchor	Suction			Pump	Control Box		
			Cement	Cement	Liner		Manual switch	Pneumatic Switch	
								Cement	Liner
19968	19976	19983	19987 x 1	20091 x 1	38770	19988	07669	07868	
19970	-	19983	19987 x 1	20091 x 1	38770	19988	07669	07868	
19971	19977	19983	19987 x 2	20091 x 2	38776	19989	17154	17155	
20132	-	19983	19987 x 1	20091 x 1	38770	19988	07669	07868	
20133	-	19983	19987 x 1	20091 x 1	38770	19988	07669	07868	

Note: The pneumatic switch includes: control box, wall conduits and switch.

NOTE: The water features do not include anchoring, pump, control panel or suction system.



ORNAMENTAL WATER FEATURES

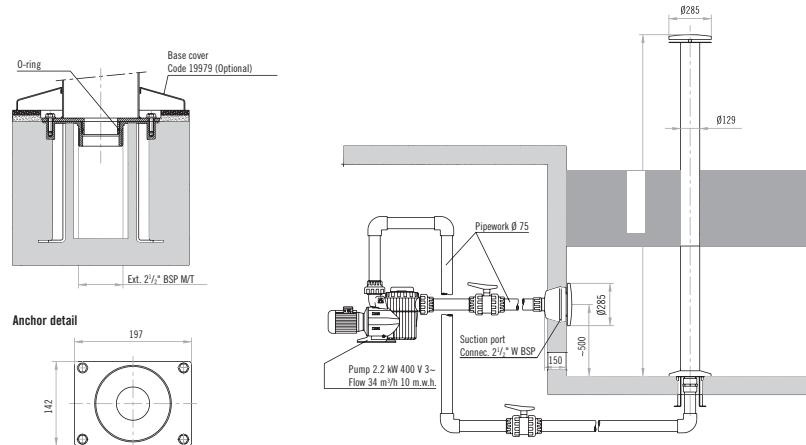
Mushrooms



In AISI-316 polished Stainless Steel. Column Ø 129 mm. Height 2.3 m.

Mushroom Ø 285 mm

Discount group	Code	Unit £
W	19966	1,387.00



Feature code	Base cover	Anchor		Suction		Pump	Manual switch	Control Box	
		Concrete	Liner	Concrete	Liner			Pneumatic Switch	
								Concrete	Liner
19966	19979	19983	15833	19987 x 3	20091 x 3	38780	19990	07537	07867

Note: The pneumatic switch includes: control box, wall conduits and switch.



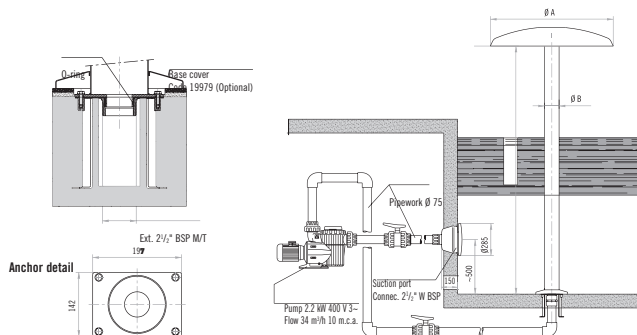
Umbrellas



In AISI-316 polished Stainless Steel. Umbrella in polyester.

Umbrella, Ø 1100 mm
 Umbrella, Ø 1500 mm
 Umbrella, Ø 2500 mm
 Column Ø 129 mm
 Column Ø 254 mm

Discount group	Code	Unit £
W	22750	792.00
W	22751	955.00
W	22753	3,370.00
W	22754	1,063.00
W	22755	1,920.00



Note: The pneumatic switch includes: control box, wall conduits and switch.

Umbrella Ø	Top	Column	Base cover	Anchor		Suction		Pump	Manual switch	Control Box	
				Concrete	Liner	Concrete	Liner			Pneumatic Switch	
										Concrete	Liner
1100	22750	22754	19979	19983	15833	19987 x 3	20091 x 3	38780	19990	07537	07867
1500	22751	22755	19980	19984	19986	19987 x 4	20091 x 4	08003	19991	-	-
2500	22753	22755	19980	19984	19986	19987 x 5	20091 x 5	08004	19992	-	-

ORNAMENTAL WATER FEATURES



Concrete pool wall suction point



In AISI-316 Stainless Steel. Ø 285 mm. Suction point for water features. Connection 2 1/2". Max. recommended flow: 13 m³/h.

Discount group	Code	Unit £
W	19987	523.00



Anchoring for concrete pools



In AISI-316 Stainless Steel. Includes base for embedding, screws, washers and earth connection. Connection 2 1/2" BSP.

Rectangular anchoring
 Ø 254 mm anchoring
 600 mm wide anchoring
 1000 mm wide anchoring

Discount group	Code	Unit £
W	19983	416.00
W	19984	830.00
W	19985	665.00
W	20135	1,044.00



Base cover



In AISI-316 Stainless Steel.

Polished Ø 51 mm

Discount group	Code	Unit £
W	19976	339.00



Base cover



In AISI-316 Stainless Steel.

Polished Ø 63 mm

Discount group	Code	Unit £
W	19977	339.00



Base covers



In AISI-316 Stainless Steel.

Polished Ø 129 mm

Discount group	Code	Unit £
W	19979	339.00



SPAECIAL THE WELLNESS SOLUTION

- 208 • Hydro-leisure elements
- 213 • Showers
- 215 • Saunas
- 218 • Accessories for saunas

HYDRO-LEISURE ELEMENTS

Pool surround cascade



A cascade for pool surround designed to create an intense yet deeply relaxing curtain of water. This accessory is made from mirror-polished AISI 316 stainless steel and needs to be ordered with the anchor plate for secure installation.

Pool surround cascade
Anchoring plate

Discount group	Code	Unit £
W	34032	1,941.00
W	34033	491.00

Pool surround water jet



Water jet for pool surround, featuring swans-neck shaped cylindrical section, providing a high-pressure jet of water for a relaxing massage.

This accessory is made from polished AISI -316 stainless steel and has to be ordered with the anchor plate for secure installation.

Features 4 interchangeable nozzles:

- 34041 uniform pressure nozzle
- 34042 double pressure nozzle
- 34043 diffuser spray nozzle
- 34044 fan spray nozzle
-

Pool surround water jet
Assembly Plate

Uniform pressure nozzle
Double pressure nozzle
Diffuser spray nozzle
Fan spray nozzle

Discount group	Code	Unit £
W	34039	492.00
W	34040	259.00
W	34041	108.00
W	34042	101.00
W	34043	101.00
W	34044	101.00

Wall-mounted water jet



Wall-mounted water jet featuring cylindrical cross-section, Designed to produce multiple high-pressure water jets for a back and shoulder massage of medium intensity, depending on model.

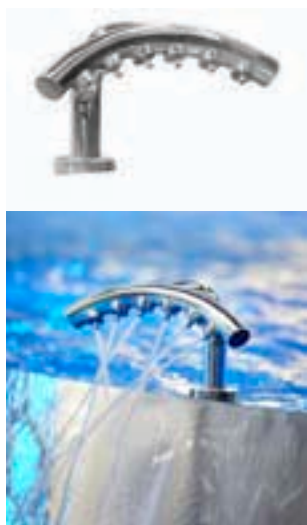
This accessory is manufactured from polished AISI-316 stainless steel. Anchor system for wall mounting.

Ø84 wall-mounted circular water jet

Discount group	Code	Unit £
W	34464	447.00

HYDRO-LEISURE ELEMENTS

Neck Massage



A new hydro-leisure element for neck massage. Its design enables it to surround the entire neck area for an effective, enjoyable massage.

Made from AISI-316 Stainless Steel, it consists of 6 adjustable mini jet streams..

	Discount group	Code	Unit £
Neck massage	W	60792	1,320.00

Massage nozzles



Set comprising three massage effect nozzles, using a combination of water and air to stimulate calves, thighs and hips. These are hung in a vertical arrangement on the wall of the pool, at a height of 30, 60 and 90 cm. from the pool bottom.

The set is completed with a polished rounded stainless steel handrail which can either be attached to the pool surround or the wall of the pool itself. This handrail serves two functions - it gives pool users something to hold onto whilst at the same time, allows air to enter through holes situated along its length which is then directed to the nozzle by the so-called venturi effect. Made from AISI-316 Stainless Steel.

	Discount group	Code	Unit £
3 massage nozzle kit for concrete	W	34049	2,281.00
Handrail for massage nozzle set	W	34050	694.00

Hydromassage jet



Hydromassage jet system, specifically designed to be situated in areas where there are benches, water channels etc. Wherever an intense, localised massage is required. The acceleration of the water jet resulting from the venturi effect creates hundreds of thousands of tiny air bubbles which further intensify the massage effect. This accessory is 100% mirror-polish AISI-316 stainless steel with interchangeable nozzles.

	Discount group	Code	Unit £
9 nozzle trim and jet set for concrete	W	35754	267.00
Ball jet trim set for concrete	W	35753	234.00

Hydromassage minijet



Hydromassage jet system, specifically designed to be situated in areas where there are benches, water channels etc. Wherever an intense, localised massage is required. The acceleration of the water jet resulting from the venturi effect creates hundreds of thousands of tiny air bubbles which further intensify the massage effect. This accessory is 100% mirror-polish AISI-316 stainless steel with interchangeable nozzles.

	Discount group	Code	Unit £
9 nozzle trim and minijet set	W	41282	194.00
Ball minijet trim set	W	41283	271.00

HYDRO-LEISURE ELEMENTS

Dynamic hydro-channel jet



Comprised of a set of water jet nozzles in mirror-polish AISI-316 stainless steel which, when situated and directed correctly, provide a flow of water using recycled pool water. Creates water currents of varying strengths.

Dynamic hydro-channel jet concrete
Dynamic hydro-channel jet liner

Discount group	Code	Unit £
W	34055	945.00
W	40984	1,115.00

Pool floor massage grills



Pool floor massage effect air bubble generator. Cylindrical polished AISI-316 stainless steel accessory to be installed in pool floors.

Available in the following diameters: 300 mm, 300x300 mm, 550x500 mm, 675x675 mm and 750x750 mm.



300 mm diameter hydromassage grill concrete
300 mm diameter hydromassage grill liner

Hydromassage grill 300 x 300 Concrete
Hydromassage grill 500 x 500 Concrete
Hydromassage grill 675 x 675 Concrete
Hydromassage grill 750 x 750 Concrete

Hydromassage grill 300 x 300 Liner
Hydromassage grill 500 x 500 Liner
Hydromassage grill 675 x 675 Liner
Hydromassage grill 750 x 750 Liner

Discount group	Code	Unit £
W	35078	599.00
W	40989	706.00
W	35077	528.00
W	35074	854.00
W	35075	822.00
W	35076	1,006.00
W	40985	624.00
W	40986	1,008.00
W	40987	969.00
W	40988	1,187.00

Bubble snake



Elongated pool floor massage effect air bubble generator.

The casing is made from polished AISI-316 stainless steel in the form of a long snake, to be installed in pool floors. The steel sheeting has holes along its length to allow the bubble to escape and create the desired effect.

Bubble snake concrete

Discount group	Code	Unit £
W	34048	2,681.00

Hydromassage bench



Elongated massage effect air bubble generator for pool floor and/or bench for feet and buttocks.

Polished AISI 316 rectangular or semi-circular stainless steel casing accessory for mounting on pool bottoms or benches. The steel sheeting has holes along its length to allow the bubble to escape and create the desired effect.

600 mm model concrete
600 mm model liner
300 mm model
1200 mm model concrete

Discount group	Code	Unit £
W	34051	705.00
W	40982	832.00
W	60714	338.00
W	34052	896.00

HYDRO-LEISURE ELEMENTS

Air beds



Ergonomically designed massage accessory with air jets in the back, lumbar and leg regions. The bed is comprised of AISI-316 stainless steel casing with air holes situated in the key massage areas.

The range includes both a single and double model.

	Discount group	Code	Unit £
Single model concrete	W	35249	665.00
Single model liner	W	41158	1,532.00
Double model concrete	W	35250	1,450.00
Double model Liner	W	41159	3,145.00

Hydromassage lounger



Manufactured in AISI-316 stainless steel and ergonomically designed to provide maximum comfort. The system is based on air which is injected through the base of the lounger, providing a muscle-relaxing massage.

	Discount group	Code	Unit £
1700 mm embedded lounger	W	31998	3,158.00
1450 mm embedded lounger	W	32071	2,957.00
1700 mm embedded column lounger	W	31996	3,468.00
1450 mm embedded column lounger	W	32070	2,600.00

Hydromassage beds



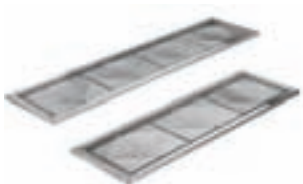
An elegant, modern design made of stainless steel tubes.

Easy to install.

A single bed to which additional units can be added to achieve the desired width.

	Discount group	Code	Unit £
Tubular concrete hydromassage bed	W	58812	4,792.00

High flow suction grills



An attractive element manufactured in AISI-316 stainless steel, comprised of a frame and modular grill, this piece has been especially designed to protect the suction tubes which feature in high-flow grills.

The modular grill system provides the necessary surface area for the centralised suction from one or more water effects and the high flow capacity that these need, as well as concentrating in one single spot all the suction and drainage installations that such effects require.

	Discount group	Code	Unit £
High flow suction grill for concrete			
90 m ³ /h concrete	W	35368	372.00
125 m ³ /h concrete	W	35369	446.00
190 m ³ /h concrete	W	35370	538.00
250 m ³ /h concrete	W	35371	621.00
125 m ³ /h liner	W	41165	1,409.00
190 m ³ /h liner	W	41166	1,888.00

HYDRO-LEISURE ELEMENTS

Piezoelectronic push button kit



Push button based on the piezoelectric principle. Light pressure on the piezo-electric element generates the necessary voltage to activate the electric circuitry. Especially designed for use in the most demanding of environments. Indestructible, vandal-proof, resistant to water and dust, free of moving parts and maintenance-free, keeping repair costs to a minimum.

Manufactured from aluminium or stainless steel, depending on the model, housing in AISI-316 stainless steel.

Simple push button
1 LED push button
2 LEDs push button

Discount group	Code	Unit £
W	45219	311.00
W	35759	407.00
W	35760	315.00



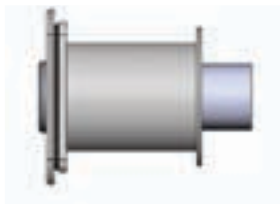
45219



35759



35760



Single piezoelectric push button kit

A new piezoelectric push button with an attractive design. It is especially designed to work in adverse environments.

Its high resistance helps reduce maintenance costs.

Despite IP-68 protection, immersion is not recommended.



Single piezoelectric push button

Discount group	Code	Unit £
W	60747i	POA



Water effect timer

This accessory allows for timed shut off of water effects such as cascades, water jets etc, meaning that they do not have to be permanently connected.

This is activated via a piezo-electric switch situated near the pool. When the switch is pressed, a relay circuit is activated which starts up the mechanism and the timer, which may be programmed for a period of time from 0 to 30 minutes. Once that time is up, the relay system automatically disconnects.

The timer also permits simple on/off operation, without the timer function. In this case it needs to be switched to "Manual" mode.

The timer LEDs indicate installation activity:

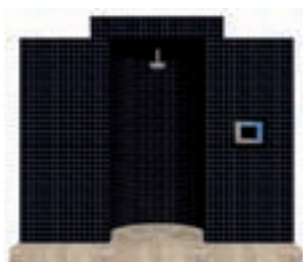
- Red LED = Effect deactivated
- Green LED = Effect activated

The terminal also features two additional outlets for push button LED indicators.

Water effect timer

Discount group	Code	Unit £
W	35761	205.00

SHOWERS



Custom Built Mist Head Shower

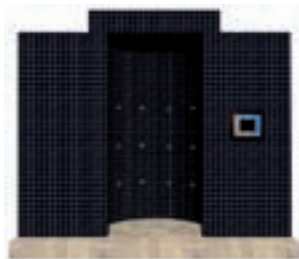


Fine mist effect designed for cold and hot water contrast. The fine mist water creates a foggy environment which helps to create a totally relaxing experience.

Thanks to it's digital screen all functions and programmes can be selected.

As an option, it is possible to include aroma dosification (aromatherapy) and light effects through mini leds (chromotherapy).

	Discount group	Code	Unit £
Custom Built Mist Head Shower	W	50008	4,140.00
Optional			
Simple Shower push button	W	52060	142.00
Double Shower push button	W	52061	188.00
Triple Shower push button	W	52062	253.00



Custom Built Side Mist Shower



Fine mist effect designed for cold and hot water contrast. The fine mist water creates a foggy environment which helps to create a totally relaxing experience.

The shower has 18 nozzles for spray effect located at three different heights which creates a filiform shower to the user.

Thanks to it's digital screen all functions and programmes can be selected.

As an option, it is possible to include aroma dosification (aromatherapy) and light effects through mini leds (chromotherapy).

	Discount group	Code	Unit £
Custom Built Mist Side Shower	W	50010	5,175.00
Optional			
Shower kit piping system for rounded shower	W	52636	622.00
Shower kit piping system for squared shower	W	50006	593.00
Simple Shower push button	W	52060	142.00
Double Shower push button	W	52061	188.00
Triple Shower push button	W	52062	253.00

SHOWERS

The Mist shower



Cold fine mist effect throughout the shower cabin, specially designed to alternate and contrast with heat treatments. The unit comprises two in-built polished stainless steel panels which face each other. The removable front panels have an enamel finish and feature 16 especially fine nozzles. The water distribution circuit and valves are housed behind the panels. A push button control is also built into the system.

	Discount group	Code	Unit £
Stainless steel mist shower	W	60716	11,729.00
Optional			
Simple Shower push button	W	52060	142.00
Double Shower push button	W	52061	188.00
Triple Shower push button	W	52062	253.00

Cold Rain shower



Shower with an enveloping fine cold rain effect. The unit comprises of a polished stainless steel panel with holes in it which is recessed into a false ceiling. The panel's interior housing contains an internal water circuit and valves.

	Discount group	Code	Unit £
Stainless steel Cold Rain shower	W	60719	POA
Optional			
Simple Shower push button	W	52060	142.00
Double Shower push button	W	52061	188.00
Triple Shower push button	W	52062	253.00

Dousing Bucket



Dousing buckets are made of wood and provided with wood and interior and exterior coating. They are also equipped with a rocker, requiring less effort to tip the bucket. All fittings, links and tipping devices are made of rust-resistant stainless steel and therefore have an unlimited lifespan. The fittings are assembled in such a way as to avoid unwanted discharge of water onto the borehole-partitions of the dousing bucket. The volume of water can be adjusted from 4.5 to 7.5 litres. The flow of water remains constant.

	Discount group	Code	Unit £
Bucket with bracket attached to the wall or the ceiling	W	87038	708.00

SAUNAS

The benefits of an AstralPool sauna range from muscle relaxation to stimulation of sweating thanks to its hot and dry environment (relative humidity of between 20-50%). Astralpool saunas are produced with pre-fabricated panels, with internal insulation of mineral wool and aluminum. The wall coating is covered with wood with a pre-treatment, baked and dried to last for many years.



Sauna Miramonte



The latest generation Astralpool sauna, with an elegant, exclusive design. Made with wood of great quality and durability for public installations.

- Construction of White Pine wood vertical panels 70 mm thick.
- Tongue and groove system for optimum sealing. Temperature resistance up to 150° Celsius.
- Thermal insulated inside with mineral wool and moisture insulated with aluminium foil.
- Floor frame made of impregnated solid wood.
- Floor grill made of Abachi wood.
- Full glass front panel of 8 mm tempered transparent glass with solid wooden frame.
- Door: 8 mm tempered transparent glass no frame ; handle square profile with locking mechanism.
- Covered Benches with wall backrests, made of Abachi or similar type with low heat conductivity. Benches withstand the weight of 200 kg/m.
- Headrest made of Abachi.
- Sauna Led light along benches, 12 V, white light.
- Heater Power according to size.
- Control panel: Standard series.
- Silicon wiring 400 V III + N- wire + Ground wire.
- Sauna rocks.
- Air ventilation.
- Wooden accessories set – bucket with ladle, combined thermo-hygrometer, sand timer.
- Option: Stone wall behind heater.

Code	Dimensions (cm)	Heating (kW)	Control unit	Discount group	Unit £
70470	200 x 150 x 210	7 kW 230/400V 3~	Touch screen / Exterior	W	8,010.00
70471	200 x 200 x 210	7 kW 230/400V 3~	Touch screen / Exterior	W	8,565.00
70439	250 x 200 x 210	9 kW 230/400V 3~	Touch screen / Exterior	W	9,170.00
70440	250 x 250 x 210	9 kW 230/400V 3~	Touch screen / Exterior	W	9,678.00
70441	300 x 300 x 210	10,8 kW 230/400V 3~	Touch screen / Exterior	W	11,011.00
70442	300 x 300 x 210	13,5 kW 230/400V 3~	Touch screen / Exterior	W	12,634.00

Accessories

- Set of sauna accessories in stainless steel
- Set of decorative elements in salt
- Exterior wall finish with vertical wood panels
- Protection decorative wall made of stones
- Remote control kit for RGB color therapy

Discount group	Code	Unit £
W	70443	222.00
W	70444	625.00
W	70447	89.00
W	70456	861.00
W	70457	1,638.00

SAUNAS



Sauna Honey



With an innovative design based on bee hives, the sauna meets demands for both residential and public use.

- Construction of Hemlock plywood vertical panels 57 mm thick Tongue and groove system for optimum sealing. Temperature resistance up to 150° Celsius.
- Thermal insulated inside with mineral wool and moisture insulated with aluminium foil.
- Floor frame made of impregnated solid wood.
- Floor grill made of Thermo Aspen / Thermo Alder.
- Full glass front panel of 8 mm tempered transparent glass with solid wooden frame.
- Door: 8 mm tempered transparent glass no frame ; wooden handle square profile.
- Benches made of Thermo Aspen or similar type with low heat conductivity. Benches withstand the weight of 200 kg/m.
- Sauna Led light along benches and wall light shades, 12 V, warm white light.
- Heater Power: according to size.
- Control panel: touch screen series.
- Silicon wiring 400 V III + N- wire + Ground wire.
- Sauna rocks
- Air ventilation
- Wooden accessories set – bucket with ladle, combined thermo-hygrometer, sand timer.

Code	Dimensions (cm)	Heating (kW)	Discount group	Unit £
71598	180 x 180 x 212	8 kW 230/400V 3~	W	POA
71599	233 x 180 x 212	9 kW 230/400V 3~	W	POA
71600	233 x 233 x 212	9 kW 230/400V 3~	W	POA
71601	285 x 233 x 212	10,8 kW 230/400V 3~	W	POA
71602	285 x 285 x 212	13,5 kW 230/400V 3~	W	POA

SAUNAS



Sauna Classic



The Classic Sauna is designed with vertical panels and fir wood flooring. Glass door with wooden frame, two seats with backrest for wall and headrest in Abachi. Includes: Accessory kit wooden sauna, ergonomic seats, rounded backrest, heater with premium protector, light LED behind backrest. Frontal with vertical panels of fir wood.

Code	Dimenions (cm)	Heating (kW)	Control unit	Discount group	Unit £
70431	150x 150x210	4,5 kW 230/400 3~	Exterior	W	5,905.00
70432	200x 150x210	6 kW 230/400 3~	Exterior	W	6,219.00
70433	200x 200x210	6 kW 230/400 3~	Exterior	W	6,520.00
70455	250x 200x210	8 kW 230/400 3~	Exterior	W	7,164.00
70434	250x 250x210	9 kW 230/400 3~	Exterior	W	7,714.00
70436	300x 250x210	10,5 kW 230/400 3~	Exterior	W	9,217.00
70437	300x 300x210	13,5 kW 230/400 3~	Exterior	W	11,055.00
70438	400x 300x210	16,5 kW 230/400 3~	Exterior	W	14,583.00

Accessories

Set of sauna accessories in stainless steel
 Set of decorative elements in salt
 Remote control kit for LED RGB lights
 Touch screen control unit for sauna heater
 Exterior wall finish with vertical wood panels
 Roof extension
 Vented with tinted / transparent glass
 Hidden heater for sauna up to 300x250 cm
 Hidden heater for sauna upper 300x250 cm
 Additional wall for hidden heater
 Aroma dosage system

Discount group	Code	Unit £
W	70443	222.00
W	70444	625.00
W	70445	608.00
W	70446	815.00
W	70447	89.00
W	70448	63.00
W	70449	206.00
W	70450	2,031.00
W	70451	642.00
W	70452	105.00
W	70453	749.00



Saunas Basic

- Finnish cabin sauna made of solid wood spruce.
- Roof (tongue & groove with 30 mm isolation).
- Full glass door.
- 2 x 50 cm benches and 1 head rest.
- Sauna heater with built in control.
- Sauna stones.
- Heater guard.
- Light shade.
- Ventilation slide.
- Transport package; installation manual.
- Wooden accessories kit.

Code	Dimensions (cm)	Heating (kW)	Control unit	Discount group	Unit £
70454	194,5 x 156 x 204	6 kW 230/400 3~	Built-in	W	4,619.00
70430	194,5 x 186,5 x 204	8 kW 230/400 3~	Built-in	W	7,164.00

ACCESSORIES FOR SAUNAS

Sauna accessories



Code	Type of accessory	Discount group	Unit £
34008	Bronze colored glass door	W	428.00
34009	Sauna kit consisting of: wooden bucket and bucket, hourglass, thermometer, hydrometer	W	191.00
34010	Wood ventilation grating	W	23.00
34011	head rest	W	58.00

Sauna Heaters



- Heater Vega BC 4,5Kw Controls Incl.
- Vega BC 4.5Kw heater for Dig Panel
- Heater Vega BC 6Kw Controls Incl.
- Vega BC 6Kw heater for Dig Panel
- Heater Vega BC 8Kw Controls Incl.
- Vega BC 8Kw heater for Dig Panel
- Heater Vega BC 9Kw Controls Incl.
- Vega BC 9Kw heater for Dig Panel

Discount group	Code	Unit £
W	61387	474.00
W	61388	393.00
W	61389	491.00
W	61390	407.00
W	60323	1,329.00
W	60325	1,418.00
W	60324	527.00
W	60326	441.00

Digital panel



Light control, temperature control, operation time control, delayed start-up, IP-34 protection.

Discount group	Code	Unit £
W	56780	392.00



POOL COVERS AND ROLLERS

- 220 • Storage rollers for covers
- 222 • Hydrodeck automatic covers
- 223 • Hydrodeck automatic covers : Slat Selection
- 225 • Hydrodeck automatic covers : Submerged Systems
- 227 • Swimming-pool enclosures

STORAGE ROLLERS FOR COVERS

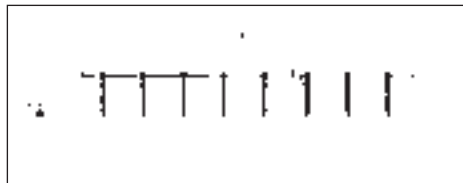
Central tube in anodised aluminium Ø 100 mm



Roller tubes only
 Fixed tube, length 4.5 m
 Fixed tube, length 5.5 m
 Fixed tube, length 6.6 m (incl.2 straps)
 Telescopic tube, length 4 - 5.5 m
 Telescopic tube, length 5 - 6.6 m
 For other lengths, please refer to sales office.

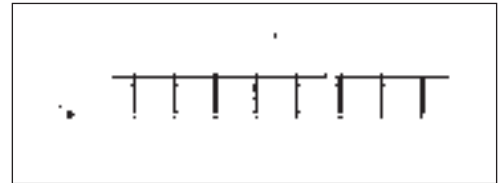
Discount group	Code	Unit £
A	07622	491.84
A	07623	566.04
A	07624	660.38
A	07625	628.58
A	07626	710.20

Fixed tube



Tube code	L (m)	Ø B (mm)	N° straps
07622	4.5	100	8
07623	5.5	100	8
07624	6.6	100	10

Telescopic tube



Tube code	L (m)	Ø B (mm)	N° straps
07625	4.0 - 5.5	95/100	8
07626	5.0 - 6.6	95/100	8



Tube not included

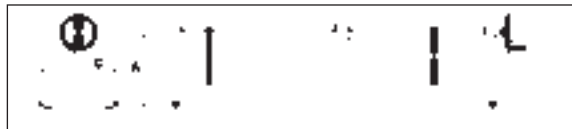
Stainless steel "T" supports for cover roller

Pair of "T" supports. Includes steering wheel operation with 8 straps and cover fixings.

A set of 2 "T" supports in AISI-304

The tube is not included in the price

Discount group	Code	Unit £
A	07631	389.02



Tube code	A (mm)	C (mm)
07631	500	514

STORAGE ROLLERS FOR COVERS

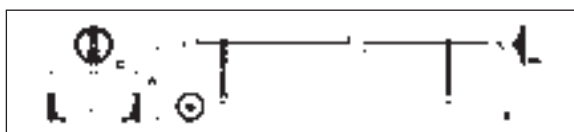
Mobile roller end supports in stainless steel



Pair of supports comprising 1 x "T" support and 1 x "T" support with wheels. Includes steering wheel operation with 8 straps and cover fixing.

Supports in AISI-304

The tube is not included in the price.



Discount group	Code	Unit £
A	07628	487.60

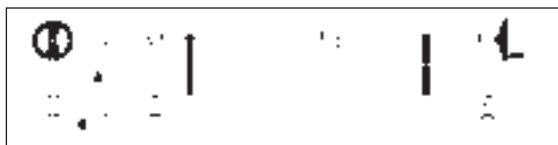
Code	A (mm)	C (mm)
07628	500	650



Stainless steel supports with adjustable height

Pair of flange fixing supports with adjustable height from 500 - 800 mm. Includes steering wheel operation with 8 straps and cover fixings.

The tube is not included in the price.



Discount group	Code	Unit £
A	07629	399.62

Code	A (mm)	B (mm)
07629	500 to 800	100

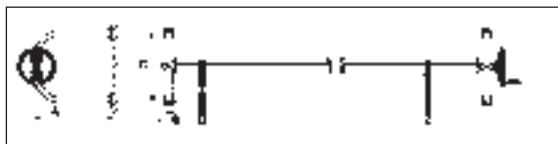


Wall support for roller

Pair of wall fixing supports. Includes steering wheel operation with 8 straps and cover fixings.

Set of 2 supports

The tube is not included in the price.



Discount group	Code	Unit £
A	07630	424.00

Code	A (mm)	B (mm)	C (mm)
07630	500	100	500

HYDRODECK AUTOMATIC COVERS

We can offer a full site survey and installation package. Please ask the sales office.

Completely re-engineered and innovated the slatted Hydrodeck pool cover range is now exclusively available to the UK water leisure market through AstralPool UK.

As well as offering superior and proven energy-saving credentials, Hydrodeck covers are available with in a choice of polycarbonate or pvc slats. With comprehensive spares stocked.

HydroDeck has everything:

- Fully automated operation, safety, heating, insulation and new innovative build-in options.
- The strong slats provide safety and insulation.
- Solar slats provide, effective, environmentally friendly heating of the water.
- HydroDeck covers can be fitted perfectly into the surroundings of the swimming pool with the aid of made-to-measure build-in and build-on systems.
- Operation can take place by means of a simple key switch or a wireless remote control.

Technical information

An outdoor swimming pool cover on a heated outdoor swimming pool generates savings of up to 60% of running costs. Covering an indoor pool will also result in significant savings because of savings on environmental control, heating, energy and maintenance due to moisture damage.

Hydrodeck covers conform to French standards NF P 90 308. NF safety straps are compulsory.

Some special configurations may not be compatible with these standards.

Please contact us to verify that the chosen system is indeed fully conform.

Transparent, solar and PC slats are not conform to the NF P 90 308.

Unless otherwise stated and except for special productions, lead times for a complete standard system are four weeks as from receipt of the filled in manufacturing sheet and the signed quote or order confirmation.



HYDRODECK AUTOMATIC COVERS : SLAT SELECTION

Polycarbonate Modern Cover Material

The 60 mm PC profile is the most sold profile in the market and can be used for new projects and replacement market.

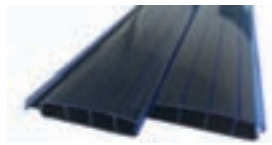
Specifications:

- Profile: 60 x 14 mm.
- Buoyancy: 78,1 N/m².
- U-Value: 3.8 W/m².K.
- End caps to be sealed with silicone glue.

Advantages of Polycarbonate compared to PVC:

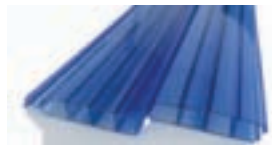
- Resistant to Higher temperatures: - 130°C.
- Increase in UV protection.
- Superior shock resistance.(hail).
- More rigidity : no deformation.
- Extended lifetime.
- Extended warranty.

About PC:
Using the best possible product source materials, Hydrodeck are able to produce all finished product to the highest quality on the market.



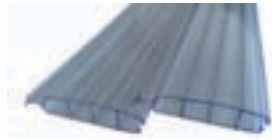
Solar Blue

An electric blue finish with excellent solar properties.



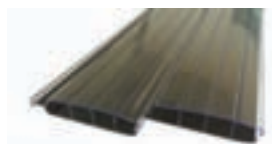
Transparent Blue

An translucent version of the solar blue slat that is more suited to indoor pools.



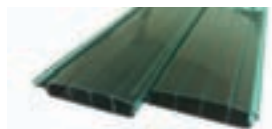
Crystal Clear

A brilliantly clear cover option designed to show off all the features and lighting of your pool. DC S.E.L.V (safety low voltage) circuit.



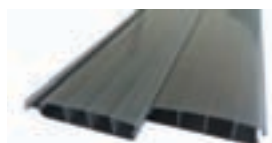
Crystal Solar

Unrivalled solar performance allows the most effective heat transfer on your outdoor pool.



Solar Green

A brilliantly clear cover option designed to show off all the features and lighting of your pool.



Aluminium

A Brand new contemporary design look - perfect for someone looking to add sophistication to their pool with the added benefit of solar heating.

HYDRODECK COVERS : SLAT SELECTION

PVC traditional cover material

The 65 mm PVC profile is a traditional design slat suitable for all types of installation designed with strengthened connections and has water evacuation slots in the end caps.

Specifications:

- Profile: 65 x 16 mm.
- Buoyancy: 80 N/m².
- U-Value: 3.5 N/m².

About PVC:

Using the best possible product source materials, Hydrodeck are able to produce all finished product to the highest quality on the market.



Solar Blue

A PVC option for your outdoor pool that provides both secondary solar heating and gives you a translucent blue finish.



Translucent Blue

Designed as a transparent indoor cover to help show off your pool lighting and features –even when your cover is on the pool!.



Grey

A versatile colour option that matches many contemporary finishes.



Blue

The perfect colour option to continue with an aqua themed pool style.



Sand

The most neutral colour option that blends effortlessly with all interior floor finishes.



White

Quintessential slatted cover colour that is as popular now as it was when it first entered the market over 25 years ago.

HYDRODECK AUTOMATIC COVERS : SUBMERGED SYSTEMS

HydroDrive

Hydrodeck have developed a purpose built drive system with a nitrogen filled stainless steel motor that runs at a harmless 24v. Fitted inside the cover roller itself means installation space minimized and there are no moving parts outside of the pool. In this system, the spindle is immersed in the pool and is supported with two flanges, which are bolted to the pool shell. The motor that winds and unwinds the cover is located inside the spindle (HydroDrive, in roller motor) and its cable passes through the pool shell in a sleeve. The cover is operated automatically by using a key switch and the limits are programmed electronically. The motor comes in 250 Nm and 500 Nm torque." Allowing for a huge range of pool sizes and depth.



HydroDrive 250 Nm submersible drives

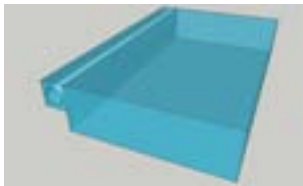
250 Nm In roller drive system fully submersible 24v drive capable of easily providing 250 Nm torque and available as standard in three variations of spindle 140, 168 and 219 mm allowing for cover systems suitable for most domestic pools.



HydroDrive 500 Nm submersible drives

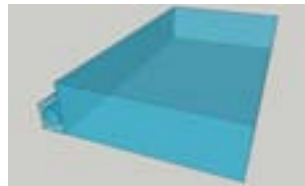
500 Nm In roller drive system fully submersible 24v drive capable of supplying 500 Nm of torque as standard, available in 168 and 219 mm spindle. This motor allows enough power for large pool cover systems or deep roller installations.

Configuration



Hydrodeck Recess with beam for decking

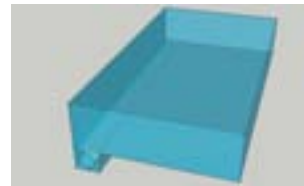
In this configuration, the cover is concealed in a wet pit located behind the pool's back wall. The cover system is accessible from the top to allow for easy maintenance and cleaning.



Hydrodeck Backwall Recess system

This configuration allows for level-deck and infinity edge pool construction whilst disguising pool cover mechanism behind a structural false wall.

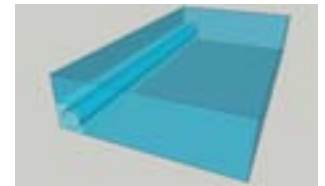
Hydrodeck's new modular design allows for an adjustable structure with made to measure removable panels suitable for tiling.



Hydrodeck Pool bottom recess structure systems

This configuration allows for level-deck and infinity edge pool construction whilst disguising pool cover mechanism under the structural false floor panel.

Hydrodeck's new modular design allows for an adjustable structure with made to measure removable panels suitable for tiling.



Hydrodeck Submerged bench system

This configuration allows for the submerged drive system to be installed when a purpose built cover pit has not been designed into an existing or new pool.

Hydrodeck's new modular design allows for an adjustable structure with made to measure removable panels suitable for tiling.

Deck Mounted Drive Systems / Configurations



HydroRoller

The HydroRoller system is suited for new or existing pools. The stainless steel spindle is located above the water level and maintained by two stainless steel consoles which are bolted to the pool copings. The consoles are finished with polyester caps and powder coated in grey or white. Other colours can be made on request. The cover is operated automatically by using a key switch and the limits are programmed electronically. The motor is an intube motor specially developed for above ground systems.



HydroBench

With the HydroBench system, slats can be concealed under its housing. This is required particularly in the case of transparent and solar slats. The HydroBench is robustly constructed from stainless steel consoles covered with aluminium finishing and profiles and is suitable for heavy loads. The aluminium parts are powder coated in grey or white. The cover is operated automatically by using a key switch and the limits are programmed electronically. The controls are located in the housing of the consoles. The motor is an intube motor specially developed for above ground systems.

HYDRODECK COVERS : ENQUIRY FORM



ENQUIRY FORM

Reference	
Company name	

SLATTED COVER

Cover material	PVC	<input type="checkbox"/>	Polycarbonate	<input type="checkbox"/>
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Colour	White	<input type="checkbox"/>	Crystal clear	<input type="checkbox"/>
	Azure blue	<input type="checkbox"/>	Crystal solar	<input type="checkbox"/>
	Grey	<input type="checkbox"/>	Transparent Blue	<input type="checkbox"/>
	Transparent blue	<input type="checkbox"/>	Solar blue	<input type="checkbox"/>
	Blue solar	<input type="checkbox"/>	Solar green	<input type="checkbox"/>
	Sand	<input type="checkbox"/>	Aluminium	<input type="checkbox"/>

DRIVE SYSTEM

Above Ground	HydroRoller	<input type="checkbox"/>	HydroBench	<input type="checkbox"/>
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Submerged systems	Hydrodeck bench	<input type="checkbox"/>		
	Hydrodeck fixed hatch	<input type="checkbox"/>		
	Hydrodeck back wall niche	<input type="checkbox"/>		
	Hydrodeck recess with decking		Finish styles	
			Tiled beam	<input type="checkbox"/>
			Brushed stainless steel beam	<input type="checkbox"/>
			Painted beam	<input type="checkbox"/>
			Concrete cantilever	<input type="checkbox"/>
		Lined cantilever	<input type="checkbox"/>	

POOL DIMENSIONS

Dimensions	Width (mm)	<input type="checkbox"/>	Length (mm)	<input type="checkbox"/>
Cut out/shapes	Roman end (mm radius)	<input type="checkbox"/>	Step end (mm length)	<input type="checkbox"/>

SWIMMING-POOL ENCLOSURES

Pool enclosures

The way to enjoy and to maximize your pool

The bathing season is normally reduced to the summer months due to low water temperatures that occur during the winter. A simple and practical solution to increase the temperature is to provide an enclosure for your pool. Our wide range of covers are available in different forms, finishes and sizes.

Main advantages:

- To increase the bathing season.
- Greenhouse effect. Reduces heat loss at night.
- Security. For peace of mind, avoiding accidents in the pool area, especially children. our products meet the safety standard NF P90-309.
- Water in better shape, thanks to the total closure of the perimeter of the pool, it is protected from direct environmental pollution and all kinds of insects, leaves, etc..
- Savings. In cleaning and maintenance, energy and the pump.

Top quality materials:

- Polycarbonate cellular double wall that prevents heat loss.
- Aluminium extruded at more than 500°c and thermolacquered, with QUALICOAT seal of quality to avoid corrosion.
- Transparent methacrylate or polymethacrylate specially treated to protect against UVA rays, very superior to conventional methacrylate in resistance and durability
- Nylon wheels set on materials highly resistant to corrosion
- Joints with nylon thread brushes that insulate and protect the inside from the cold and dirt.
- Stainless steel fixing points that guarantee a perfect ground closure.



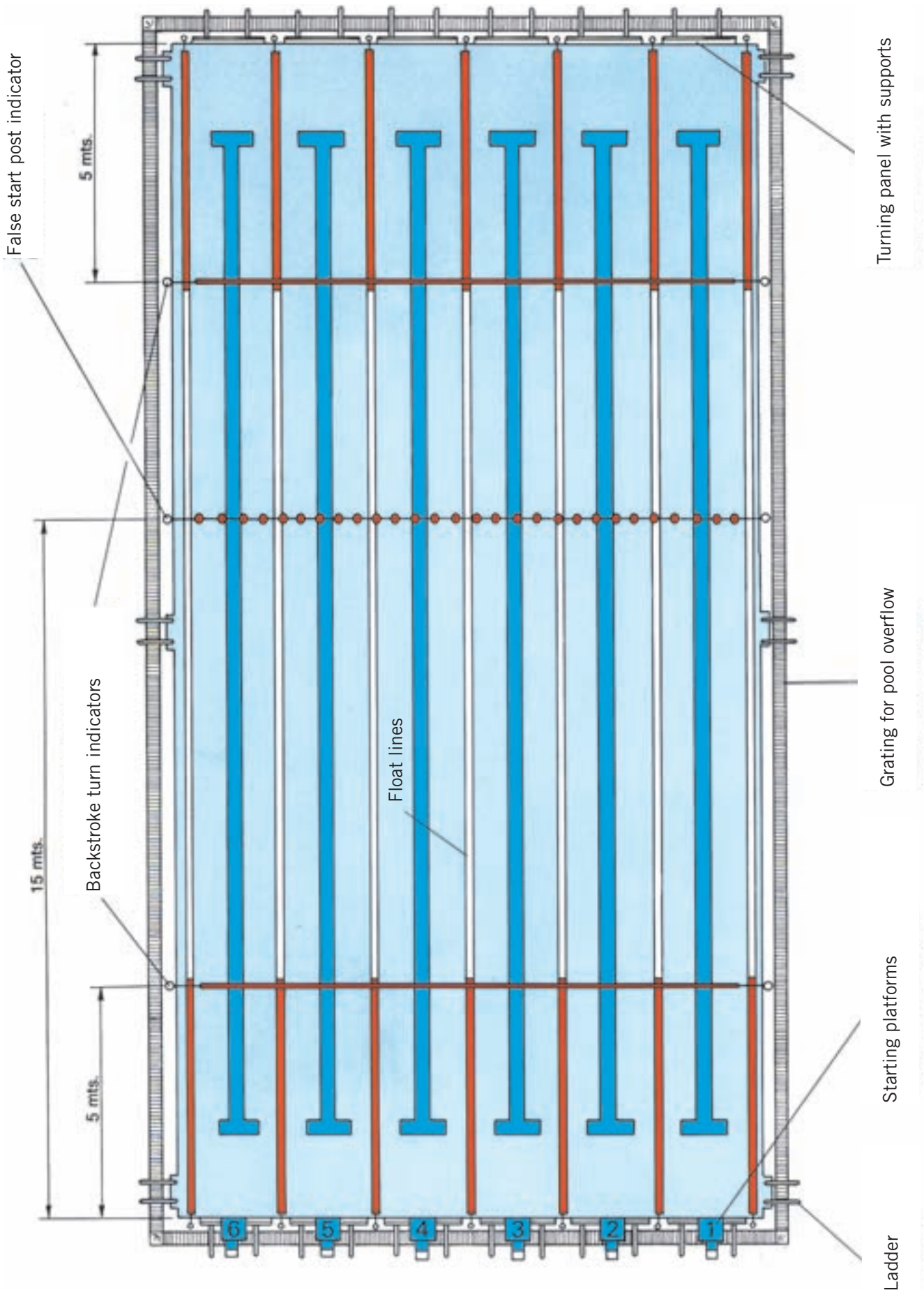
Please ask the sales office for further details.





COMPETITION POOL ACCESSORIES

- 231 • Starting blocks for competition pools
- 232 • Headwalls for competition pools
- 234 • Floats
- 235 • Lane rope storage equipment
- 236 • Lane rope accessories
- 238 • Indicators
- 239 • Turning panels
- 240 • Anchoring sockets
- 240 • WaterPolo floating goal



STARTING BLOCKS FOR COMPETITION POOLS



Starting block

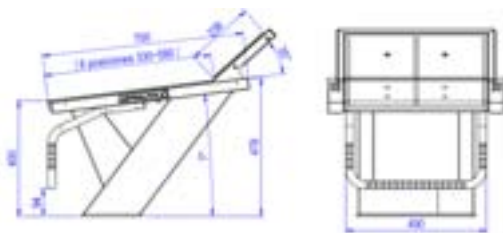


Specially designed for competition events. Available with adjustable footrest to facilitate entry into the water. Its minimalist design in high quality materials gives it an elegant and modern look. Made of AISI-316 stainless steel. Polished surface finish. Adjustable footrest (6 positions).

Starting block

Discount group	Code	Unit £
J	53875	3,524.00

Needs anchor code 54460



Starting blocks



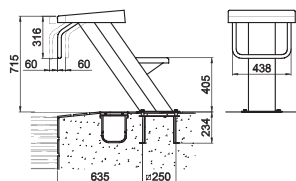
Base in S.S. AISI-316. Adjustable platform in polyester & fibreglass with non-slip finish 500 mm x 500 mm. Number sequence not included. Plate anchoring for starting block in AISI-316 code 54461 not included.

POLISHED FINISH:

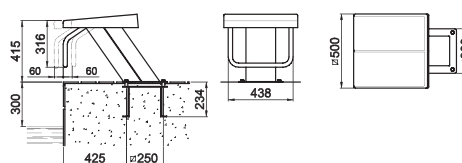
Height 700 mm
Height 400 mm

Discount group	Code	Unit £
J	00144	1,369.00
J	00145	1,045.00

00144



00145



Starting blocks



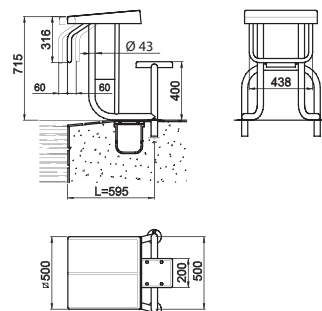
Made in S.S. AISI-304. Platform in Polyester and fibreglass with non-slip finish 500 mm x 500 mm. Number sequence not included.

Discount group	Code	Unit £
J	00146	756.00
J	27578	680.00

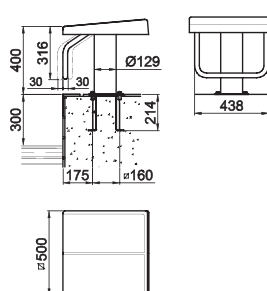
POLISHED FINISH:

Height 700 mm
Height 400 mm

00146



27578



Not Suitable for Competitive Swimming

The starting block with code number 00146 may be made to order to adapt to the position of the overflow channels. In such cases, the measurement for L must be provided.

Codes 00146 and 19958: Tube anchoring for starting block code 00143 not included.
Codes 27578 and 27836: Tube anchoring for starting block code 54462 not included.

Before specifying, please contact Astral for specific suitability

HEADWALLS FOR COMPETITION POOLS

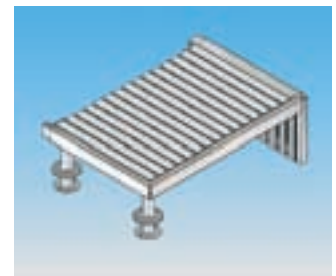
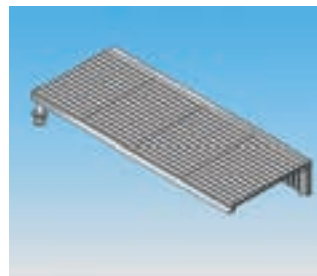
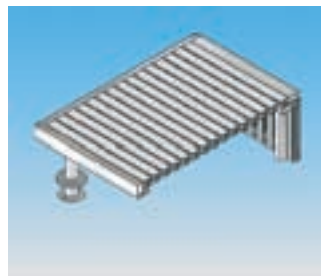


Headwall for podiums



AstralPool has created a headwall that allows starting blocks to be attached. This addition extends our range of products for competition. The item consists of an AISI-304 Stainless Steel structure and plastic grating. The platform can also be used as a turning panel and includes anchors for float lines.

	Discount group	Code	Unit £
Headwall lane width 2 m	J	34213	3,271.00
Headwall lane width 2.5 m	J	34214	3,595.00
Headwall right corner	J	34215	1,693.00
Headwall left corner	J	34216	1,555.00



Podiums fixing



Anchoring for installation of the podiums in concrete, made in Stainless Steel AISI-304/316, composed by inground base, bolts and washers, with connection to the equipotential circuit.

	Discount group	Code	Unit £
Competition podium fixing, made in AISI-316	J	54460	172.00
Fixing for the podium with rectangular feed, made in AISI-316	J	54461	99.00
Fixing for the podium with tube feed, made in AISI-304	J	54462	86.00

Fixing 54460 : For podiums codes 28760 - 28761
 Fixing 54461 : For podiums codes 00144 - 00145 - 19956 - 19957
 Fixing 54462 : For podiums codes 27578 - 27836.



Starting blocks numbers



4 units of each supplied.

	Discount group	Code	Unit £
Height 80 mm (For podiums 00146-27578-19958-27836)			
For starting blocks from 1 to 6	J	28616	66.00
For starting blocks from 1 to 10	J	28617	113.00
Height 100 mm (For podiums 00144-00145-19956-19957-28760-28761-32700)			
For starting blocks BCN03 from 1 to 6	J	34200	248.00
For starting blocks BCN03 from 1 to 10	J	34201	444.00

The lane ropes are supplied with floats, polyester cord (00210) and hook (00207).



LANE ROPES

BCN03 Competition lane rope model



The lane ropes are supplied with floats, 6 mm stainless steel cable (code 28808) and hooks (code 00207). Floats with inner turbine mechanism, with an outer diameter of 148 mm in compliance with the rules of the International Swimming Federation (FINA).

	Discount group	Code	Unit £
25 m			
Red - White colour	67599	J	2,880.00
Red - Green colour	67601	J	2,880.00
Red - Blue colour	67602	J	2,880.00
Red - Yellow colour	67603	J	2,880.00
50 m			
Red - White colour	67600	J	5,590.00
Red - Green colour	67604	J	5,590.00
Red - Blue colour	67605	J	5,590.00
Red - Yellow colour	67606	J	5,590.00



Sydney model



Range made up of lane ropes with and outer diameter of 148 mm in compliance with the rules of the International Swimming Federation (FINA) and the FR 3 regulations on swimming pools for the Olympic Games or World Championships (00207).

	Discount group	Code	Unit £
12,5 m*			
Red - White colour	67607	J	864.00
16,5 m*			
Red - White colour	67608	J	1,055.00
25 m			
Red - White colour	67609	J	1,480.00
Red - Green colour	67612	J	1,509.00
Red - Blue colour	67613	J	1,509.00
Red - Yellow colour	67614	J	1,509.00
33 m*			
Red - White colour	67610	J	1,883.00
50 m			
Red - White colour	67611	J	2,691.00
Red - Green colour	67615	J	2,766.00
Red - Blue colour	67616	J	2,766.00
Red - Yellow colour	67617	J	2,766.00

* Available in other colours (blue, green, yellow)

Rome model with polyester cord



	Discount group	Code	Unit £
12.5 m Red - White	67618	J	208.00
16.5 m Red - White	67619	J	266.00
25 m Red - White	67620	J	351.00
33 m Red - White	67621	J	459.00
50 m Red - White	67622	J	622.00

* Available in other colours (blue, green, yellow)

It is possible to supply any length, colour combination and rope.

The lane ropes are supplied with floats, polyester cord (00210) and hook (00207).



LANE ROPES

Moscow model with polyester cord



	Discount group	Code	Unit £
12.5 m Red - White	J	67623	405.00
16.5 m Red - White	J	67624	496.00
25 m Red - White	J	67625	700.00
33 m Red - White	J	67626	948.00
50 m Red - White	J	67627	1,329.00

* Available in other colours (blue, green, yellow)

FLOATS

BCN 03 model



	Discount group	Code	Unit £
Colour white	J	28204	16.00
green	J	28425	16.00
blue	J	28423	16.00
red	J	28424	16.00

Rome model



	Discount group	Code	Unit £
Colour white	J	00149	1.10
orange	J	00150	1.10
blue	J	00151	1.10
red	J	00152	1.10

Sydney model



	Discount group	Code	Unit £
Colour white	J	54032	2.00
yellow	J	54031	2.00
blue	J	54028	2.00
red	J	54029	2.00
green	J	54030	2.00

Moscow model



	Discount group	Code	Unit £
Colour white	J	00161	1.50
orange	J	00162	1.50
blue	J	00163	1.50
red	J	00164	1.50

LANE ROPE STORAGE EQUIPMENT



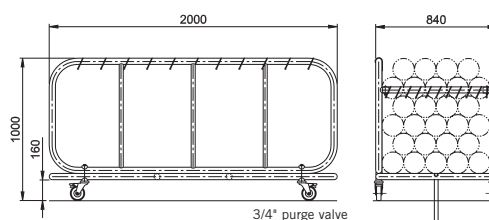
BCN03 Lane rope storage basket



A new trolley designed to transport and store the BCN03 Lane ropes after use in the swimming pool. The BCN03 lane rope storage basket is manufactured of AISI-316 Stainless Steel and includes a PVC bag for collecting excess water from the float lines. Due to the bag's bottom outlets, it is emptied in a controlled manner with no water spillage. The trolley has four castor wheels for maximum mobility. Two of these fitted with brakes. It can store a lane rope up to 50 m long (or 2 of 25) and can be used for all lane rope models.

Discount group	Code	Unit £
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J **28623** 2,659.00



Lane rope roller



Made in Stainless Steel AISI-304, fitted with a large wheel for operation. It is mounted on 4 castor wheels for easy handling. Two of these are fitted with brakes.

Discount group	Code	Unit £
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J **58860** 1,445.00

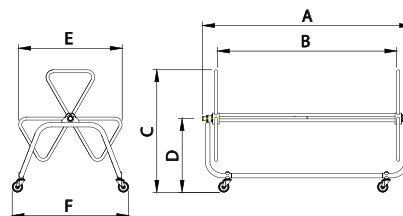
J **58859** 1,759.00

Width 1.2 m

Width 1.8 m

NUMBER OF LANE ROPE COLLECTED

Model	1.2 m			1.8 m		
	25 m	33 m	50 m	25 m	33 m	50 m
ROMA	8	6	4	12	9	6
SYDNEY	2	1	1	3	2	1
MOSCOW	4	2	2	6	3	3



Code	A	B	C	D	E	F
58859	1415	1125	1165	690	970	1085
58860	2015	1725				

Under deck lane rope storage system



Made of AISI-316, allows the storage of the float lines beneath the deck. The float line box is embedded in the pool surround and holds the retractable reel over which the float line slides into the hole. This unit can be complemented with a lane rope collecting bag if required.

Discount group	Code	Unit £
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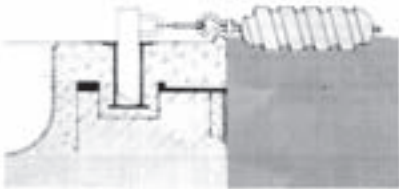
J **15842** 977.00



Suspended bag not included with storage system

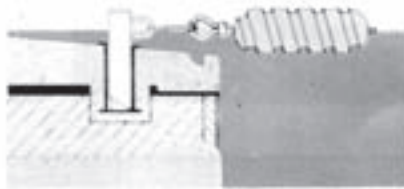
LANE ROPE ACCESSORIES

Zurich/Wiesbaden installation diagram



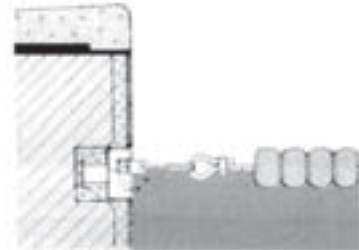
Anchor code 00141
Lane rope support code 00140

Finnish type installation diagram



Anchor code 00142
Lane rope support code 00140

Standard installation diagram



Anchoring cup code 09206
code 09207
code 00205
code 00206



Lane rope anchor



Made in Stainless Steel AISI-316. To use with anchoring fixture 00141 and 00142.

Discount group	Code	Unit £
J	00140	43.00



Concrete anchoring cup with central rod



Made in Stainless Steel AISI-316.

For concrete pool

Discount group	Code	Unit £
J	09206	50.00



Anchoring cup with central rod



Made in Stainless Steel AISI-316.

For pre-fabricated pools with flange, gasket and screws

Discount group	Code	Unit £
J	09207	67.00



Retractable anchoring cup



Made in Stainless Steel AISI-316.

For concrete pool

Discount group	Code	Unit £
J	00205	64.00

LANE ROPE ACCESSORIES



Retractable anchoring cup



Made in Stainless Steel AISI-316.

For prefabricated pools with flange, gaskets and screws

Discount group	Code	Unit £
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J	00206	84.00
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Lane rope ratchet



Chrome plated brass.

Discount group	Code	Unit £
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J	00208	114.00
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Lane rope ratchet



Made in Stainless Steel AISI-316.

Discount group	Code	Unit £
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J	00209	41.00
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Lane rope spring



Made in Stainless Steel AISI-304 with plate to attach cable.

Discount group	Code	Unit £
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J	01468	71.00
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Lane rope hook



Made in Stainless Steel AISI-304.

Discount group	Code	Unit £
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J	00207	10.00
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Cords and cables



Discount group	Code	Unit £
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Float-line rope in polyester Ø 7 mm (sold in 55 metre lengths only)
 Float-line rope in Stainless Steel AISI-316 Ø 4 x 6 mm with plastic coating DIN 3055 sold in 100 metre rolls only

J	00210	21.00
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J	00211	288.00
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INDICATORS



False start indicators



Comprises 2 posts in S.S. AISI-316 (one with pulley and quick release cord). Height 1.8 m. Anchoring socket not included.

False start posts:

- Pool width up to 21 m
Ø 43 mm pipe for use with anchoring sockets 00141 and 00142
- Pool width over 21 m
Ø 48 mm pipe for use with anchoring sockets 19960 and 19961

Discount group	Code	Unit £
J	19950	340.00
J	19951	388.00
J	19954L125	164.00
J	19954L210	276.00

Polyester cord and float sets:

- 12.5 m length
- 21 m length

Please indicate pool width when placing your order.



Backstroke turn indicators



Comprises 4 posts in Stainless Steel AISI-316. Height 1.8 m. Anchoring sockets not included.

Backstroke turn indicator posts

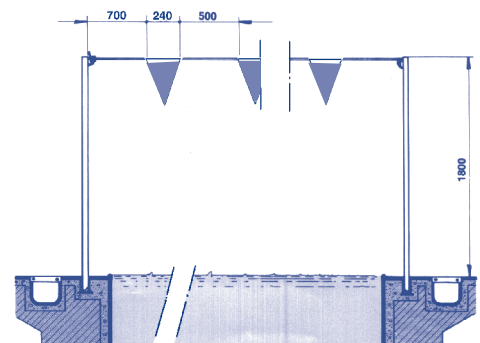
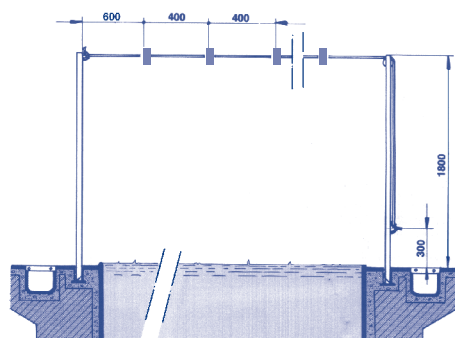
- Pool width up to 21 m
Ø 43 mm pipe for use with anchoring sockets 00141 and 00142
- Pool width over 21 m
Ø 48 mm pipe for use with anchoring sockets 19960 and 19961

Discount group	Code	Unit £
J	19952	496.00
J	19953	594.00
J	19955L125	300.00
J	19955L210	503.00

Polyester cord and bunting sets:

- 12.5 m length
- 21 m length

Please indicate pool width when placing your order.



TURNING PANELS



Turning panels

In Stainless Steel AISI-316 with plastic lattice screen. Height 300 mm. Fixing support (00139) is not included.

Lane width 2 m
Lane width 2.5 m

Discount group	Code	Unit £
J	00137	644.00
J	00138	739.00

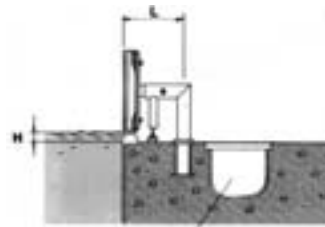


Fixing support for turning panels



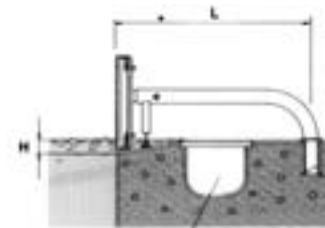
In Stainless Steel AISI-316 for use with anchoring sockets 00141 and 00142. Please indicate dimension "H", "L" and type of overflow when ordering.

Discount group	Code	Unit £
J	00139	POA



ZURICH-WIESBADEN

ANCHORING DETAILS WHEN MEASUREMENT «L» IS LESS THAN 500 mm.



FINNISH

ANCHORING DETAILS WHEN MEASUREMENT «L» IS OVER 500 mm.



ANCHORING SOCKETS



Horizontal flange anchoring sockets

Zurich-Wiesbaden. In S.S. AISI-316.

For pipe Ø 43 mm
For pipe Ø 48 mm

Discount group	Code	Unit £
J	00141	83.00
J	19960	102.00



Angled flange anchoring socket

Finnish. In S.S. AISI-316.

For pipe Ø 43 mm
For pipe Ø 48 mm

Discount group	Code	Unit £
J	00142	95.00
J	19961	125.00



Anchoring socket with locking bolts

With bolts. In S.S. AISI-316.

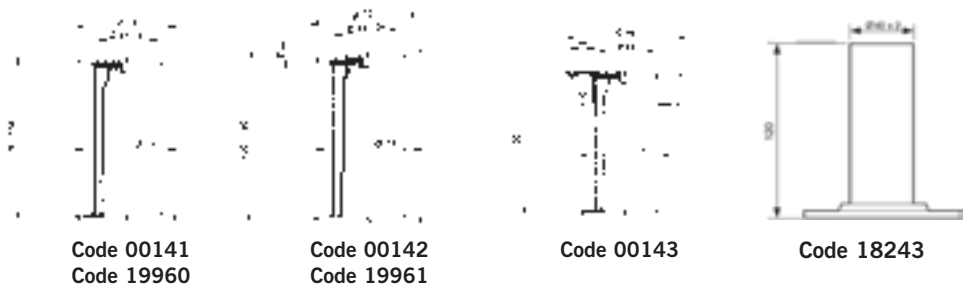
Discount group	Code	Unit £
J	00143	148.00



Anchor with reinforced plate

In stainless steel AISI-316. Complete with fixing screws and gaskets. Price per pair.

Discount group	Code	Unit £
J	18243	205.00



WATERPOLO FLOATING GOAL

WaterPolo floating goal

WaterPolo floating goal with structure in stainless steel and posts and crossbar in white lacquered aluminium. Floats in White lacquered aluminium, with polyethylene foam, guarantee maximum flexibility. Fabrication and measures according to FINA standards.

Discount group	Code	Unit £
W	69654	5,658.90

WaterPolo floating goal kit





PVC FITTINGS FOR POOLS

- 242 • PVC-U fittings
- 255 • PVC-U valves
- 258 • White ABS fittings
- 260 • PTFE tape, PVC cleaner & solvent cement
- 261 • PVC-U & ABS pipe

PVC-U FITTINGS
Elbow 90° plain metric


Size	Discount group	Code	Unit £
16 mm	L	11655	1.25
20 mm	L	01712	1.25
25 mm	L	01713	1.40
32 mm	L	01714	2.20
40 mm	L	01715	2.60
50 mm	L	01716	4.00
63 mm	L	01717	5.50
75 mm	L	01718	10.80
90 mm	L	01719	17.60
110 mm	L	01720	31.80
125 mm	L	01721	45.60
140 mm	L	01722	78.80
160 mm	L	01723	91.90
200 mm	L	01724	145.90
225 mm	L	01725	222.10
250 mm	L	01726	415.00
315 mm	L	01727	735.90

Elbow 90° plain X BSP female thread imperial


Size	Discount group	Code	Unit £
½" X ½"	L	07146	2.00
¾" X ¾"	L	07147	2.40
1" X 1"	L	07148	3.20
1¼" X 1¼"	L	07149	4.20
1½" X 1½"	L	07150	6.30
2" X 2"	L	07151	8.90
2½"	L	0718	10.80

Elbow 90° BSP female thread


Size	Discount group	Code	Unit £
½"	L	01734	2.30
¾"	L	01735	2.80
1"	L	01736	4.20
1¼"	L	01737	5.50
1½"	L	01738	7.00
2"	L	01739	9.70
2½"	L	22587	26.30
3"	L	22588	39.10
4"	L	22589	66.00

Elbow 90° plain Imperial


Size	Discount group	Code	Unit £
½"	L	07137	1.25
¾"	L	07138	1.25
1"	L	07139	2.00
1¼"	L	07140	3.50
1½"	L	07141	4.10
2"	L	07142	5.80
2½"	L	01718	10.80
3"	L	07144	19.00
4"	L	07145	33.80
5"	L	01722	78.80

Elbow 45° plain metric


Size	Discount group	Code	Unit £
16 mm	L	16307	1.40
20 mm	L	01746	1.40
25 mm	L	01747	1.70
32 mm	L	01748	2.30
40 mm	L	01749	3.10
50 mm	L	01750	4.10
63 mm	L	01751	5.80
75 mm	L	01752	11.30
90 mm	L	01753	16.80
110 mm	L	01754	28.50
125 mm	L	01755	41.40
140 mm	L	01756	66.60
160 mm	L	01757	81.30
200 mm	L	01758	120.70
225 mm	L	01759	187.60
250 mm	L	01760	349.00
315 mm	L	01761	658.70

Elbow 90° plain X BSP female thread metric


Size	Discount group	Code	Unit £
20 mm X ½"	L	01728	2.00
25 mm X ¾"	L	01729	2.40
32 mm X 1"	L	01730	3.20
40 mm X 1¼"	L	01731	4.10
50 mm X 1½"	L	01732	6.00
63 mm X 2"	L	01733	8.50
75 mm X 2½"	L	22596	25.00
90 mm X 3"	L	22597	37.80
110 mm X 4"	L	22598	58.30

PVC-U FITTINGS

Elbow 45° plain imperial



Size	Discount group	Code	Unit £
½"	L	07152	1.40
¾"	L	07153	1.90
1"	L	07154	2.60
1¼"	L	07155	3.50
1½"	L	07156	4.50
2"	L	07157	6.00
2½"	L	01752	11.30
3"	L	07159	18.80
4"	L	07160	32.30
5"	L	01756	66.60

Bend 90° plain



Size	Discount group	Code	Unit £
20 mm	L	01967	3.10
25 mm	L	01968	4.10
32 mm	L	01969	5.60
40 mm	L	01970	7.60
50 mm	L	01971	11.10
63 mm	L	01972	17.60
75 mm	L	01973	34.70
90 mm	L	05331	72.80
110 mm	L	05332	129.40
125 mm	L	05333	244.40
140 mm	L	05334	258.30
160 mm	L	05335	294.40
200 mm	L	05336	673.50
225 mm	L	05337	745.00
250 mm	L	05338	813.10
315 mm	L	05339	1,637.90
400 mm	L	05340	2,091.90

Elbow 45° plain X BSP female thread metric



Size	Discount group	Code	Unit £
20 mm X ½"	L	01762	2.60
25 mm X ¾"	L	01763	2.70
32 mm X 1"	L	01764	3.50
40 mm X 1¼"	L	01765	4.60
50 mm X 1½"	L	01766	6.80
63 mm X 2"	L	01767	9.60
75 mm X 2½"	L	22599	32.10
90 mm X 3"	L	22600	41.40
110 mm X 4"	L	22601	73.60

Tee 90° plain metric



Size	Discount group	Code	Unit £
16 mm	L	16308	1.20
20 mm	L	01780	1.20
25 mm	L	01781	1.50
32 mm	L	01782	2.20
40 mm	L	01783	3.60
50 mm	L	01784	5.00
63 mm	L	01785	7.20
75 mm	L	01786	14.90
90 mm	L	01787	27.40
110 mm	L	01788	40.40
125 mm	L	01789	65.20
140 mm	L	01790	99.20
160 mm	L	01791	117.30
200 mm	L	01792	187.50
225 mm	L	01793	261.00
250 mm	L	01794	459.60
315 mm	L	01795	841.40
400 mm	L	05328	2,646.70

Elbow 45° plain X BSP female thread imperial



Size	Discount group	Code	Unit £
½" X ½"	L	07161	2.70
¾" X ¾"	L	07162	3.00
1" X 1"	L	07163	3.70
1¼" X 1¼"	L	07164	4.70
1½" X 1½"	L	07165	7.20
2" X 2"	L	07166	10.10

Elbow 45° BSP female thread



Size	Discount group	Code	Unit £
½"	L	01768	2.70
¾"	L	01769	3.10
1"	L	01770	4.30
1¼"	L	01771	5.10
1½"	L	01772	7.90
2"	L	01773	10.90
2½"	L	22590	41.80
3"	L	22591	52.60
4"	L	22592	99.70

PVC-U FITTINGS

Tee 90° plain imperial



Size	Discount group	Code	Unit £
½"	L	07167	1.20
¾"	L	07168	1.70
1"	L	07169	2.30
1¼"	L	07170	4.00
1½"	L	07171	5.30
2"	L	07172	7.60
2½"	L	01786	14.90
3"	L	07174	29.10
4"	L	07175	43.20
5"	L	01790	99.20

Reducing Tee 90° plain



Size	Discount group	Code	Unit £
25 X 20 mm	L	01814	2.00
32 X 25 mm	L	01815	2.70
32 X 20 mm	L	01816	2.70
40 X 32 mm	L	01817	4.50
40 X 25 mm	L	01818	4.50
40 X 20 mm	L	01819	4.50
50 X 40 mm	L	01820	5.60
50 X 32 mm	L	01821	5.60
50 X 25 mm	L	01822	5.60
50 X 20 mm	L	01823	5.60
63 X 50 mm	L	01824	9.50
63 X 40 mm	L	01825	9.50
63 X 32 mm	L	01826	9.50
63 X 25 mm	L	01827	9.50
63 X 20 mm	L	01828	9.50
75 X 63 mm	L	01829	16.00
75 X 50 mm	L	01830	16.00
75 X 40 mm	L	01831	16.00
75 X 32 mm	L	01832	16.00
90 X 75 mm	L	01833	28.30
90 X 63 mm	L	01834	28.30
90 X 50 mm	L	01835	28.30
90 X 40 mm	L	01836	28.30
110 X 90 mm	L	01837	40.60
110 X 75 mm	L	01838	40.60
110 X 63 mm	L	01839	40.60
110 X 50 mm	L	01840	40.60
125 X 110 mm	L	01841	67.40
125 X 90 mm	L	01842	67.40
125 X 75 mm	L	01843	67.40
125 X 63 mm	L	01844	67.40
140 X 125 mm	L	01845	100.50
140 X 110 mm	L	01846	100.50
140 X 90 mm	L	01847	100.50
140 X 75 mm	L	01848	100.50
160 X 140 mm	L	07688	119.60
160 X 125 mm	L	07689	119.60
160 X 110 mm	L	07690	119.60
160 X 90 mm	L	07691	119.60

Tee 90° plain X BSP female thread metric



Size	Discount group	Code	Unit £
20 mm X ½"	L	01796	2.60
25 mm X ¾"	L	01797	2.80
32 mm X 1"	L	01798	3.50
40 mm X 1¼"	L	01799	5.60
50 mm X 1½"	L	01800	8.10
63 mm X 2"	L	01801	13.20
75 mm X 2½"	L	22602	29.10
90 mm X 3"	L	22603	43.70
110 mm X 4"	L	22604	72.30

Tee 90° plain X BSP female thread imperial



Size	Discount group	Code	Unit £
½" X ½"	L	07176	2.70
¾" X ¾"	L	07177	3.00
1" X 1"	L	07178	3.70
1¼" X 1¼"	L	07179	5.90
1½" X 1½"	L	07180	8.20
2" X 2"	L	07181	13.20

Tee 90° female thread



Size	Discount group	Code	Unit £
½"	L	01802	3.50
¾"	L	01803	4.10
1"	L	01804	4.70
1¼"	L	01805	7.30
1½"	L	01806	10.10
2"	L	01807	16.20
2½"	L	22593	33.10
3"	L	22594	44.50
4"	L	22595	80.90

Tee 45° plain



Size	Discount group	Code	Unit £
20 mm	L	22583	5.60
25 mm	L	22584	6.40
32 mm	L	22585	7.60
40 mm	L	22586	9.70
50 mm	L	20155	10.80
63 mm	L	20156	14.90
75 mm	L	32804	56.60
90 mm	L	32805	91.60
100 mm	L	32806	188.80

PVC-U FITTINGS

Cross plain



Size	Discount group	Code	Unit £
20 mm	L	20143	2.60
25 mm	L	20144	3.20
32 mm	L	20145	4.60
40 mm	L	20146	7.40
50 mm	L	02235	10.00
63 mm	L	02236	14.90
90 mm	L	22581	73.60
110 mm	L	22582	116.60

Socket plain imperial



Size	Discount group	Code	Unit £
½"	L	07182	1.20
¾"	L	07183	1.40
1"	L	07184	1.70
1¼"	L	07185	2.40
1½"	L	07186	3.10
2"	L	07187	4.50
2½"	L	01878	8.70
3"	L	07189	11.90
4"	L	07190	19.40
5"	L	01882	42.00

Socket plain metric



Size	Discount group	Code	Unit £
16 mm	L	16309	1.10
20 mm	L	01872	1.20
25 mm	L	01873	1.40
32 mm	L	01874	1.50
40 mm	L	01875	2.30
50 mm	L	01876	3.00
63 mm	L	01877	4.30
75 mm	L	01878	8.70
90 mm	L	01879	11.20
110 mm	L	01880	18.50
125 mm	L	01881	28.50
140 mm	L	01882	42.00
160 mm	L	01883	56.90
200 mm	L	01884	85.00
225 mm	L	01885	147.30
250 mm	L	01886	238.90
315 mm	L	01887	343.90
400 mm	L	05329	681.00

Adaptor socket plain X BSP female thread metric



Size	Discount group	Code	Unit £
16 mm X ¾"	L	01888	2.00
20 mm X ½"	L	01889	2.00
25 mm X ¾"	L	01890	2.30
32 mm X 1"	L	01891	2.60
40 mm X 1¼"	L	01892	3.30
50 mm X 1½"	L	01893	4.50
63 mm X 2"	L	01894	6.20
75 mm X 2½"	L	01895	13.60
90 mm X 3"	L	01896	20.40
110 mm X 4"	L	01897	32.70

Adaptor socket plain X BSP female thread imperial



Size	Discount group	Code	Unit £
½" X ½"	L	07191	2.00
¾" X ¾"	L	07192	2.40
1" X 1"	L	07193	2.70
1¼" X 1¼"	L	07194	3.50
1½" X 1½"	L	07195	4.50
2" X 2"	L	07196	6.20
2½" X 2½"	L	01895	13.60

Metric to Imperial Solvent socket



Size	Discount group	Code	Unit £
20 mm X ½"	L	07229	1.10
25 mm X ¾"	L	07230	1.40
32 mm X 1"	L	07231	1.70
40 mm X 1¼"	L	07232	2.40
50 mm X 1½"	L	07233	3.20
63 mm X 2"	L	07234	4.90
75 mm X 2½"	L	01878	8.70
90 mm X 3"	L	07236	12.40
110 mm X 4"	L	07237	20.20

Threaded socket BSP female thread



Size	Discount group	Code	Unit £
¾"	L	01898	2.30
½"	L	01899	2.60
¾"	L	01900	2.80
1"	L	01901	3.50
1¼"	L	01902	4.30
1½"	L	01903	5.60
2"	L	01904	7.60
2½"	L	01905	18.20
3"	L	01906	25.60
4"	L	01907	41.80

PVC-U FITTINGS

Reducing bush plain metric



Size	Discount group	Code	Unit £
20 X 16 mm	L	01914	0.60
25 X 20 mm	L	01915	0.80
32 X 25 mm	L	01916	0.80
32 X 20 mm	L	01917	1.20
40 X 32 mm	L	01918	1.40
40 X 25 mm	L	01919	1.80
40 X 20 mm	L	01920	1.80
50 X 40 mm	L	01921	1.80
50 X 32 mm	L	01922	2.40
50 X 25 mm	L	01923	2.40
50 X 20 mm	L	01924	2.20
63 X 50 mm	L	01925	2.20
63 X 40 mm	L	01926	3.10
63 X 32 mm	L	01927	3.10
75 X 63 mm	L	01928	4.00
75 X 50 mm	L	18685	4.60
75 X 40 mm	L	18686	4.60
90 X 75 mm	L	01929	6.20
90 X 63 mm	L	18687	7.30
90 X 50 mm	L	18688	7.30
110 X 90 mm	L	01930	12.20
110 X 75 mm	L	18689	13.70
110 X 63 mm	L	18690	13.90
125 X 110 mm	L	01931	15.90
125 X 90 mm	L	18691	18.30
125 X 75 mm	L	20142	18.50
140 X 125 mm	L	01932	21.30
140 X 110 mm	L	18692	23.80
160 X 140 mm	L	01933	27.80
160 X 110 mm	L	18693	31.40
200 X 180 mm	L	01934	54.00
200 X 160 mm	L	01935	53.80
225 X 200 mm	L	01936	59.10
225 X 160 mm	L	01937	72.40
250 X 225 mm	L	01938	106.60
250 X 200 mm	L	01939	107.50
315 X 250 mm	L	01940	315.70
315 X 225 mm	L	01941	325.90
400 X 315 mm	L	05330	441.80

Conical reducer plain



Size	Discount group	Code	Unit £
32 - 25 X 25 mm	L	01974	1.50
32 - 25 X 20 mm	L	01975	1.50
40 - 32 X 32 mm	L	01976	1.90
40 - 32 X 25 mm	L	01977	1.90
40 - 32 X 20 mm	L	01978	1.90
50 - 40 X 40 mm	L	01979	2.70
50 - 40 X 32 mm	L	01980	2.70
50 - 40 X 25 mm	L	01981	2.70
50 - 40 X 20 mm	L	01982	2.70
63 - 50 X 50 mm	L	01983	4.20
63 - 50 X 40 mm	L	01984	4.20
63 - 50 X 32 mm	L	01985	4.20
63 - 50 X 25 mm	L	01986	4.20
63 - 50 X 20 mm	L	01987	4.20
75 - 63 X 63 mm	L	01988	6.70
75 - 63 X 50 mm	L	01989	6.70
75 - 63 X 40 mm	L	01990	6.70
75 - 63 X 32 mm	L	01991	6.70
90 - 75 X 75 mm	L	01992	8.60
90 - 75 X 63 mm	L	01993	8.60
90 - 75 X 50 mm	L	01994	8.60
90 - 75 X 40 mm	L	01995	8.60
110 - 90 X 90 mm	L	01996	15.60
110 - 90 X 75 mm	L	01997	15.60
110 - 90 X 63 mm	L	01998	15.60
110 - 90 X 50 mm	L	01999	15.60
125 - 110 X 90 mm	L	02000	19.90
125 - 110 X 75 mm	L	02001	19.90
125 - 110 X 63 mm	L	02002	19.90
140 - 125 X 110 mm	L	02003	26.30
140 - 125 X 90 mm	L	02004	26.30
140 - 125 X 75 mm	L	02005	26.30
160 - 140 X 125 mm	L	02006	37.30
160 - 140 X 110 mm	L	02007	37.30
160 - 140 X 90 mm	L	02008	37.30
200 - 180 X 140 mm	L	02009	59.60
200 - 180 X 125 mm	L	02010	59.60
200 - 180 X 110 mm	L	02011	59.60
225 - 200 X 160 mm	L	02012	81.50
225 - 200 X 140 mm	L	02013	81.50
225 - 200 X 125 mm	L	02014	81.50
250 - 225 X 200 mm	L	02015	118.20
250 - 225 X 160 mm	L	02016	118.20
250 - 225 X 140 mm	L	02017	118.20
315 - 280 X 200 mm	L	02018	463.70
315 - 280 X 160 mm	L	02019	463.70

Reducing bush plain imperial



Size	Discount group	Code	Unit £
¾" X ½"	L	07198	0.80
1" X ¾"	L	07199	0.90
1" X ½"	L	07200	1.40
1¼" X 1"	L	07201	1.50
1¼" X ¾"	L	07202	1.90
1½" X 1¼"	L	07203	1.80
1½" X 1"	L	07204	2.60
2" X 1½"	L	07205	2.40
2½" X 2"	L	07206	4.10
3" X 2½"	L	07207	7.00
4" X 3"	L	07208	13.70

PVC-U FITTINGS

Flange adaptor (Stub flange) plain metric



Size	Discount group	Code	Unit £
20 mm	L	07692	2.00
25 mm	L	07693	2.40
32 mm	L	07694	2.60
40 mm	L	07695	3.30
50 mm	L	02020	4.30
63 mm	L	02021	5.10
75 mm	L	02022	7.70
90 mm	L	02023	10.40
110 mm	L	02024	13.20
125 mm	L	02025	17.20
140 mm	L	02026	22.90
160 mm	L	02027	31.70
200 mm	L	02028	57.70
225 mm	L	02029	68.70
250 mm	L	02030	133.60
315 mm	L	02031	203.60
400 mm	L	05341	488.80
500 mm	L	05342	538.70

Flange gasket metric/imperial



Size	Discount group	Code	Unit £
20 mm	L	07700	1.05
25 mm	L	07701	1.25
32 mm	L	07702	1.25
40 mm	L	07703	1.50
50 mm / 1½"	L	02061	1.80
63 mm / 2"	L	02062	1.90
75 mm / 2½"	L	02063	2.50
90 mm / 3"	L	02064	2.80
110 mm / 4"	L	02065	3.50
125 mm	L	02066	4.30
140 mm / 5"	L	02067	4.70
160 mm / 6"	L	02068	5.30
200 mm	L	02069	6.70
225 mm / 8"	L	02070	14.60
250 mm	L	02071	22.50
315 mm	L	02072	36.10
400 mm	L	05345	123.10
500 mm	L	05346	143.50

Flange adaptor (stub flange) plain imperial



Size	Discount group	Code	Unit £
2"	L	07804	5.50
2½"	L	02022	7.70
3"	L	07218	11.20
4"	L	07219	14.10
5"	L	02026	22.90
6"	L	07221	34.40
8"	L	07222	74.40

Flange adaptor stub and backing ring



Size	Discount group	Code	Unit £
20 mm	L	22575	7.00
25 mm	L	22576	9.30
32 mm	L	22577	11.00
40 mm	L	22578	14.40
50 mm	L	22579	17.00
63 mm	L	22580	21.00
75 mm	L	02226	22.00
90 mm	L	02227	25.60
110 mm	L	02228	30.20
125 mm	L	02229	38.80
140 mm x 125 mm	L	02234	47.90
140 mm	L	02230	49.00
160 mm	L	02231	66.80
200 mm	L	02232	85.60
225 mm	L	02233	98.40

Flange (Backing ring) plain metric/imperial



Size	Discount group	Code	Unit £
20 mm	L	07696	5.30
25 mm	L	07697	5.90
32 mm	L	07698	6.70
40 mm	L	07699	7.80
50 mm / 1½"	L	02032	8.60
63 mm / 2"	L	02033	9.60
75 mm / 2½"	L	02034	12.40
90 mm / 3"	L	02035	13.20
110 mm / 4"	L	02036	17.90
125 mm	L	02037	25.60
140 mm / 5"	L	02038	29.10
140 X 125 mm	L	02039	31.70
160 mm / 6"	L	02040	35.20
200 mm	L	02041	42.30
225 mm / 8"	L	02042	48.30
225 X 200 mm	L	09039	54.00
250 mm	L	02043	121.40
315 mm	L	02044	161.80
400 mm	L	05343	350.00
500 mm	L	05344	471.80

PVC-U FITTINGS

Screw, nut & washers



Size	Discount group	Code	Unit £
M12 X 60 mm	L	16061	2.00
M16 X 70 mm	L	02437	3.30
M16 X 80 mm	L	02438	3.40
M16 X 90 mm	L	02439	3.80
M16 X 120 mm	L	02440	5.00
M16 X 130 mm	L	02441	4.80
M16 X 140 mm	L	02442	5.10
M16 X 150 mm	L	02443	5.60
M16 X 160 mm	L	02444	5.50
M16 X 170 mm	L	02445	5.80
M16 X 200 mm	L	07718	7.30
M16 X 220 mm	L	07719	7.30
M16 X 240 mm	L	07720	7.90
M20 X 90 mm	L	02446	6.20
M20 X 110 mm	L	02447	7.20
M20 X 160 mm	L	02448	8.70
M20 X 180 mm	L	02449	9.50
M20 X 190 mm	L	02450	7.40
M20 X 200 mm	L	20263	10.10
M20 X 210 mm	L	02451	10.80
M20 X 230 mm	L	02452	11.40
M20 X 270 mm	L	07721	15.00
M20 X 310 mm	L	07722	16.20
M20 X 340 mm	L	07723	29.10

	 Fig. 81* Butterfly valve	 Fig. 52 Flange set	 Fig. 54 Sight glass	 Fig. 65 Swing check valve
D20, D25, D32		M 12 x 60		
D40, D50		M 16 x 70		
D63	M 16 x 120	M 16 x 70		
D75	M 16 x 140	M 16 x 70	M 16 x 150	M 16 x 120
D90	M 16 x 150	M 16 x 70	M 16 x 170	M 16 x 120
D110	M 16 x 160	M 16 x 80	M 16 x 200	M 16 x 120
D125	M 16 x 170	M 16 x 80	M 16 x 220	M 16 x 130
D140	M 16 x 170	M 16 x 90	M 16 x 240	M 16 x 130
D160	M 20 x 200	M 20 x 90	M 20 x 270	M 20 x 160
D200	M 20 x 210	M 20 x 110	M 20 x 310	M 20 x 160
D225	M 20 x 230	M 20 x 110	M 20 x 340	M 20 x 180
D250	M 20 x 270			M 20 x 210
D280	M 20 x 270			-
D315	M 20 x 310			M 20 x 230

* Valid for Industrial, Standard and Classic Series

PVC-U FITTINGS

Cap plain metric



Size	Discount group	Code	Unit £
16 mm	L	01942	0.80
20 mm	L	01943	0.80
25 mm	L	01944	1.00
32 mm	L	01945	1.40
40 mm	L	01946	2.20
50 mm	L	01947	3.10
63 mm	L	01948	4.20
75 mm	L	01949	7.80
90 mm	L	01950	12.70
110 mm	L	01951	25.60
125 mm	L	01952	35.90
140 mm	L	01953	46.80
160 mm	L	01954	54.20
200 mm	L	01955	67.30
225 mm	L	01956	127.70
250 mm	L	15776	243.90
315 mm	L	15777	373.60

Cap plain imperial



Size	Discount group	Code	Unit £
½"	L	07209	0.90
¾"	L	07210	1.00
1"	L	07211	1.50
1¼"	L	07212	2.20
1½"	L	07213	3.20
2"	L	07214	4.30
2½"	L	01949	7.80
3"	L	07216	13.30
4"	L	07803	26.90
5"	L	01953	46.80

Cap BSP female thread



Size	Discount group	Code	Unit £
¾"	L	01957	1.80
½"	L	01958	2.00
¾"	L	01959	2.00
1"	L	01960	2.60
1¼"	L	01961	3.50
1½"	L	01962	4.60
2"	L	01963	5.90
2½"	L	01964	14.90
3"	L	01965	22.90
4"	L	01966	31.70

Adaptor bush plain x BSP male thread metric



Size	Discount group	Code	Unit £
20 X ½"	L	02102	1.50
25 X ¾"	L	02103	1.70
32 X 1"	L	02104	1.90
40 X 1¼"	L	02105	2.60
50 X 1½"	L	02106	3.00
63 X 2"	L	02107	4.60
75 X 2½"	L	02108	8.60
90 X 3"	L	02109	17.40
110 X 4"	L	02110	26.30

Adaptor bush plain X BSP male thread imperial



Size	Discount group	Code	Unit £
½" X ½"	L	07246	1.50
¾" X ¾"	L	07247	1.80
1" X 1"	L	07248	2.00
1¼" X 1¼"	L	07249	2.70
1½" X 1½"	L	07250	3.20
2" X 2"	L	07251	4.90
2½" X 2½"	L	02108	8.60
3" X 3"	L	07253	18.30

Adaptor nipple plain x BSP male thread metric



Size	Discount group	Code	Unit £
16 - 12 mm X ⅜"	L	02073	1.00
20 - 16 mm X ½"	L	02074	1.20
20 - 16 mm X ⅜"	L	02075	1.20
25 - 20 mm X ¾"	L	02076	1.50
25 - 20 mm X ½"	L	02077	1.50
25 - 20 mm X ⅜"	L	02078	1.50
32 - 25 mm X 1"	L	02079	1.70
32 - 25 mm X ¾"	L	02080	1.70
32 - 25 mm X ½"	L	02081	1.70
40 - 32 mm X 1¼"	L	02082	2.30
40 - 32 mm X 1"	L	02083	2.20
40 - 32 mm X ¾"	L	02084	2.20
50 - 40 mm X 1½"	L	02085	3.00
50 - 40 mm X 1¼"	L	02086	3.00
50 - 40 mm X 1"	L	02087	3.00
63 - 50 mm X 2"	L	02088	4.60
63 - 50 mm X 1½"	L	02089	4.70
63 - 50 mm X 1¼"	L	02090	4.70
75 - 63 mm X 2½"	L	02091	7.60
75 - 63 mm X 2"	L	02092	7.60
75 - 63 mm X 1½"	L	02093	7.60
90 - 75 mm X 3"	L	02094	10.80
90 - 75 mm X 2½"	L	02095	10.80
90 - 75 mm X 2"	L	02096	10.80
110 - 90 mm X 4"	L	02097	24.90
110 - 90 mm X 3"	L	02098	24.90
110 - 90 mm X 2½"	L	02099	24.90

PVC-U FITTINGS

Adaptor nipple plain X BSP male thread imperial



Size	Discount group	Code	Unit £
½" - ⅜" X ½"	L	07238	1.40
¾" - 1½" X ¾"	L	07239	1.70
1" - ¾" X 1"	L	07240	1.80
1¼" - 1" X 1¼"	L	07241	2.40
1½" - 1¼" X 1½"	L	07242	3.10
2" - 1½" X 2"	L	07243	4.90
2½" - 2" X 2½"	L	02091	7.60
3" - 2½" X 3"	L	07245	11.20

Reducer BSP male X female thread



Size	Discount group	Code	Unit £
⅜" X ½"	L	02270	2.20
½" X ¾"	L	02271	2.40
½" X ⅜"	L	02272	2.20
¾" X 1"	L	02273	2.80
¾" X ½"	L	02274	2.40
¾" X ⅜"	L	02275	2.40
1" X 1¼"	L	02276	3.30
1" X ¾"	L	02277	2.70
1" X ½"	L	02278	2.70
1" X ⅜"	L	02279	2.80
1¼" X 1½"	L	02280	4.70
1¼" X 1"	L	02281	3.30
1¼" X ¾"	L	02282	3.30
1¼" X ½"	L	02283	3.30
1½" X 2"	L	02284	7.70
1½" X 1¼"	L	02285	3.70
1½" X 1"	L	02286	3.70
1½" X ¾"	L	02287	3.70
2" X 2½"	L	02288	12.90
2" X 1½"	L	02289	5.50
2" X 1¼"	L	02290	5.60
2" X 1"	L	02291	5.50
2½" X 3"	L	02292	24.20
2½" X 2"	L	02293	7.60
2½" X 1½"	L	02294	7.60
2½" X 1¼"	L	02295	7.60
3" X 4"	L	02296	29.50
3" X 2½"	L	02297	12.90
3" X 2"	L	02298	9.30
3" X 1½"	L	02299	9.30
4" X 3"	L	02300	29.50
4" X 2½"	L	02301	29.50
4" X 2"	L	02302	29.50

Adaptor nipple plain x BSP female thread



Size	Discount group	Code	Unit £
20 - 16 mm X ¾"	L	02243	2.00
20 - 16 mm X ½"	L	02244	2.00
20 - 16 mm X ⅜"	L	02245	2.00
20 - 16 mm X ¼"	L	02246	2.00
25 - 20 mm X 1"	L	02247	2.70
25 - 20 mm X ¾"	L	02248	2.60
25 - 20 mm X ½"	L	02249	2.60
32 - 25 mm X 1¼"	L	02250	3.60
32 - 25 mm X 1"	L	02251	3.30
32 - 25 mm X ¾"	L	02252	3.30
32 - 25 mm X ½"	L	24822	3.30
40 - 32 mm X 1½"	L	02253	4.90
40 - 32 mm X 1¼"	L	02254	4.20
40 - 32 mm X 1"	L	02255	4.20
50 - 40 mm X 2"	L	02256	7.40
50 - 40 mm X 1½"	L	02257	5.90
50 - 40 mm X 1¼"	L	02258	5.90
63 - 50 mm X 2½"	L	02259	11.90
63 - 50 mm X 2"	L	02260	8.90
63 - 50 mm X 1½"	L	02261	8.90
75 - 63 mm X 3"	L	02262	17.20
75 - 63 mm X 2½"	L	02263	13.20
75 - 63 mm X 2"	L	02264	13.20
90 - 75 mm X 4"	L	02265	23.60
90 - 75 mm X 3"	L	02266	22.30
90 - 75 mm X 2½"	L	02267	22.30
110 - 90 mm X 4"	L	02268	29.70
110 - 90 mm X 3"	L	02269	29.70

PVC-U FITTINGS

Reducing nipple BSP male thread



Size	Discount group	Code	Unit £
½" X ⅜"	L	02303	1.70
¾" X ½"	L	02304	1.70
¾" X ⅜"	L	02305	1.80
1" X ¾"	L	02306	2.20
1" X ½"	L	02307	2.20
1" X ⅜"	L	02308	2.20
1¼" X 1"	L	02309	2.70
1¼" X ¾"	L	02310	2.80
1¼" X ½"	L	02311	2.80
1½" X 1¼"	L	02312	3.20
1½" X 1"	L	02313	3.20
1½" X ¾"	L	02314	3.20
2" X 2½"	L	02315	4.10
2" X 1¼"	L	02316	4.20
2" X 1"	L	02317	4.20
2½" X 2"	L	02318	7.60
2½" X 1½"	L	02319	7.60
2½" X 1¼"	L	02320	7.60
3" X 2½"	L	02321	12.20
3" X 2"	L	02322	12.20
3" X 1½"	L	02323	12.20
4" X 3"	L	02324	27.70
4" X 2½"	L	02325	27.70
4" X 2"	L	02326	27.70

Short reducing nipple BSP male x female thread



Size	Discount group	Code	Unit £
½" x ¼"	L	23087	1.80
¾" x ½"	L	20147	2.00
¾" x ¼"	L	23088	2.20
¾" x 1/8"	L	28081	2.00
1" x ¾"	L	20148	2.60
1" x ¼"	L	23089	2.70
1¼" x 1"	L	20149	3.10
1½" x 1¼"	L	20150	3.60
2 x 1½"	L	20151	5.30
2½" x 2"	L	20152	7.00
3" x 2½"	L	20153	12.20
4" x 3"	L	20154	29.60

Spigot connection plain



Size	Discount group	Code	Unit £
16 X 16 mm	L	02200	1.10
20 X 18 mm	L	02201	1.40
20 X 20 mm	L	02202	1.50
25 X 25 mm	L	02203	1.80
32 X 30 mm	L	02204	2.30
40 X 40 mm	L	02205	2.70
50 X 50 mm	L	02206	3.70
50 X 38 mm	L	02207	3.80
63 X 60 mm	L	02208	4.80

Hexagon nipple BSP male thread



Size	Discount group	Code	Unit £
⅜"	L	02111	1.50
½"	L	02112	1.70
¾"	L	02113	1.90
1"	L	02114	2.20
1¼"	L	02115	2.80
1½"	L	02116	3.70
2"	L	02117	4.60
2½"	L	02118	8.10
3"	L	02119	12.80
4"	L	02120	29.60

Spigot connection BSP male thread



Size	Discount group	Code	Unit £
⅜" X 16"	L	02217	1.10
½" X 18"	L	02218	1.40
½" X 20"	L	02219	1.50
¾" X 25"	L	02220	1.80
¾" X 20"	L	15763	1.80
1" X 30"	L	02221	2.30
1" X 25"	L	09031	2.30
1¼" X 40"	L	02222	2.70
1½" X 50"	L	02223	3.80
1½" X 38"	L	02224	3.70
1½" X 40"	L	09032	3.80
2" X 60"	L	02225	4.80

Plug BSP male thread



Size	Discount group	Code	Unit £
¼"	L	02121	1.00
⅜"	L	02122	1.05
½"	L	02123	1.40
¾"	L	02124	1.70
1"	L	02125	2.30
1¼"	L	02126	3.00
1½"	L	02127	4.20
2"	L	02128	4.60
2½"	L	02129	8.10
3"	L	02130	13.20
4"	L	02131	25.00

PVC-U FITTINGS

Spigot and nut union



Size	Discount group	Code	Unit £
16 X 3/4"	L	02399	4.00
18 x 3/4"	L	02400	4.20
20 x 3/4"	L	02401	4.30
25 x 1"	L	02402	4.40
20 x 1"	L	15764	4.50
30 x 1 1/4"	L	02403	5.10
40 x 1 1/2"	L	02404	6.30
50 x 2"	L	02405	7.80
38 x 2"	L	02406	9.50
60 X 2 1/2"	L	02407	9.90

3 piece union plain imperial



Size	Discount group	Code	Unit £
1/2"	L	07332	4.00
3/4"	L	07333	4.70
1"	L	07334	6.70
1 1/4"	L	07335	7.60
1 1/2"	L	07336	9.50
2"	L	07337	14.10
2 1/2"	L	02333	35.50
3"	L	07806	51.40
4"	L	07807	78.20

Spigot union BSP female thread



Size	Discount group	Code	Unit £
16" x 3/8"	L	02408	6.30
18" x 1/2"	L	02409	6.30
20" x 1/2"	L	02410	6.70
25" x 3/4"	L	02411	7.30
30" x 1"	L	02412	8.60
40" x 1 1/4"	L	02413	11.00
50" x 1 1/2"	L	02414	13.70
38" x 1 1/2"	L	02415	14.90
60" x 2"	L	02416	17.60

3 piece union s. socket x BSP female thread metric



Size	Discount group	Code	Unit £
16 x 3/8"	L	20158	4.20
20 x 1/2"	L	02336	4.20
25 x 3/4"	L	02337	5.30
32 x 1"	L	02338	7.00
40 x 1 1/4"	L	02339	8.10
50 x 1 1/2"	L	02340	9.60
63 x 2"	L	02341	14.10
75 x 2 1/2"	L	02342	39.10
90 x 3"	L	02343	51.30
110 x 4"	L	02344	79.60

3 piece union plain metric



Size	Discount group	Code	Unit £
16" x 3/8"	L	02417	6.20
18" x 1/2"	L	02418	6.70
20" x 1/2"	L	02419	6.80
25" x 3/4"	L	02420	7.20
30" x 1"	L	02421	7.80
40" x 1 1/4"	L	02422	10.10
50" x 1 1/2"	L	02423	12.60
38" x 1 1/2"	L	02424	12.60
60" x 2"	L	02425	18.10

3 piece union s. socket x BSP female thread imperial



Size	Discount group	Code	Unit £
1/2 x 1/2"	L	07255	4.30
3/4 x 3/4"	L	07256	5.10
1 x 1"	L	07257	6.90
1 1/4 x 1 1/4"	L	07258	8.60
1 1/2 x 1 1/2"	L	07259	10.50
2 x 2"	L	07260	15.90
2 1/2 x 2 1/2"	L	02342	39.10
3 x 3"	L	07808	52.60
4 x 4"	L	07809	83.60

3 piece union plain metric



Size	Discount group	Code	Unit £
16 mm	L	20157	3.60
20 mm	L	02327	3.60
25 mm	L	02328	4.10
32 mm	L	02329	5.60
40 mm	L	02330	7.00
50 mm	L	02331	8.50
63 mm	L	02332	12.30
75 mm	L	02333	35.50
90 mm	L	02334	46.90
110 mm	L	02335	68.60

3 piece union plain x BSP male thread metric



Size	Discount group	Code	Unit £
16 mm X 3/8"	L	20160	4.90
20 mm X 1/2"	L	02353	4.90
25 mm X 3/4"	L	02354	5.40
32 mm X 1"	L	02355	6.40
40 mm X 1 1/4"	L	02356	7.90
50 mm X 1 1/2"	L	02357	8.70
63 mm X 2"	L	02358	14.00
75 mm X 2 1/2"	L	02359	38.20
90 mm X 3"	L	02360	50.10
110 mm X 4"	L	02361	79.60

PVC-U FITTINGS

3 piece union plain X BSP male thread imperial



Size	Discount group	Code	Unit £
½" X ½"	L	07810	5.60
¾" X ¾"	L	07811	6.20
1" X 1"	L	07812	6.90
1¼" X 1¼"	L	07813	9.20
1½" X 1½"	L	07262	10.00
2" X 2"	L	07263	16.20
2½" X 2½"	L	02359	38.20
3" X 3"	L	07814	54.00
4" X 4"	L	07815	83.30

Sight glass plain imperial



Size	Discount group	Code	Unit £
1½"	L	21082	35.00
2"	L	21083	44.50
2½"	L	02389	99.70
3"	L	21084	129.20
4"	L	21085	156.90
5"	L	02393	219.30

Union end imperial solvent socket



Size	Discount group	Code	Unit £
½"	L	27254	0.90
¾"	L	27255	1.00
1"	L	27256	1.50
1¼"	L	27257	1.70
1½"	L	27258	2.40
2"	L	27259	3.20
2½"	L	02178	7.30
3"	L	27260	9.70
4"	L	27261	19.40

PP open pipe clip



Size	Discount group	Code	Unit £
20 mm	L	02132	0.90
25 mm	L	02133	0.90
32 mm	L	02134	1.20
40 mm	L	02135	1.40
50 mm	L	02136	1.70
63 mm	L	02137	1.90
75 mm	L	02138	2.70
90 mm	L	02139	3.10
110 mm	L	08908	5.60
125 mm	L	08909	6.40
140 mm	L	10955	7.00
160 mm	L	08910	8.60
200 mm	L	08911	10.40
225 mm	L	10957	16.50

Union nut BSP female thread



Size	Discount group	Code	Unit £
1"	L	02188	1.40
1¼"	L	02189	1.50
1½"	L	02191	2.20
2"	L	02192	2.60
2¼"	L	02193	2.80
2¾"	L	02196	5.00
3½"	L	02197	15.20
4"	L	02198	22.30
5½"	L	02199	28.30

PP closed pipe clip



Size	Discount group	Code	Unit £
50 mm	L	02140	2.00
63 mm	L	02141	2.40
75 mm	L	02142	3.10
90 mm	L	02143	3.50
110 mm	L	08916	8.90
125 mm	L	08917	10.00
140 mm	L	10956	11.00
160 mm	L	08918	12.80
200 mm	L	08919	15.20
225 mm	L	10958	22.30

Sight glass plain metric



Size	Discount group	Code	Unit £
50 mm	L	02387	31.30
63 mm	L	02388	38.30
75 mm	L	02389	99.70
90 mm	L	02390	120.70
110 mm	L	02391	149.90
125 mm	L	02392	176.40
140 mm	L	02393	219.30
160 mm	L	02394	318.10
200 mm	L	02395	366.60
225 mm	L	02396	452.70

PVC-U FITTINGS

PP reinforced clamp saddle



Size	Discount group	Code	Unit £
25 mm X ½"	L	11435	3.70
25 mm X ¾"	L	02379	3.70
32 mm X ½"	L	11436	4.20
32 mm X ¾"	L	11437	4.20
32 mm X 1"	L	02380	4.20
40 mm X ½"	L	11438	4.20
40 mm X ¾"	L	11439	4.20
40 mm X 1"	L	02381	4.20
50 mm X ½"	L	11440	4.70
50 mm X ¾"	L	11441	4.70
50 mm X 1"	L	02382	4.70
63 mm X ¾"	L	11442	7.30
63 mm X 1"	L	02383	7.30
63 mm X 1½"	L	11443	7.30
75 mm X ½"	L	11444	10.40
75 mm X ¾"	L	11445	10.40
75 mm X 1"	L	02384	10.40
75 mm X 1½"	L	11446	10.40
90 mm X ½"	L	11447	11.90
90 mm X ¾"	L	11448	11.90
90 mm X 1"	L	02385	11.90
90 mm X 1¼"	L	11449	11.90
90 mm X 1½"	L	11450	11.90
110 mm X 1"	L	02386	16.70
110 mm X 1½"	L	11451	16.70
110 mm X 2"	L	11452	16.70
125 mm X 1"	L	11453	23.20
125 mm X 1½"	L	11454	23.20
125 mm X 2"	L	11455	23.20
140 mm X 1"	L	06022	39.10
140 mm X 1½"	L	06024	39.10
140 mm X 2"	L	06025	39.10
140 mm X 3"	L	06026	44.50
160 mm X 1"	L	06027	44.50
160 mm X 1½"	L	06029	44.50
160 mm X 2"	L	06030	44.50
160 mm X 3"	L	06031	49.90
200 mm X 1¼"	L	06032	172.10
200 mm X 1½"	L	06033	172.10
200 mm X 2"	L	06034	172.10
200 mm X 3"	L	06035	173.90
200 mm X 4"	L	06036	173.90
225 mm X 1¼"	L	06037	211.10
225 mm X 1½"	L	06038	211.10
225 mm X 2"	L	06039	211.10
225 mm X 3"	L	06040	216.60
225 mm X 4"	L	06041	216.60
250 mm X 1¼"	L	06042	245.80
250 mm X 1½"	L	06043	245.80
250 mm X 2"	L	06044	245.80
250 mm X 3"	L	06045	252.80
250 mm X 4"	L	06046	252.80
315 mm X 1¼"	L	06047	306.80
315 mm X 1½"	L	06048	306.80
315 mm X 2"	L	06049	306.80
315 mm X 3"	L	06050	330.40
315 mm X 4"	L	06051	330.40

PVC-U VALVES

Standard Range PVC-U double union ball valve (PE-EPDM)

The Thermoplastic ball valves have been developed with the highest quality and long term reliability in mind. With its strong and compact design, easier installation due to the deeper grooves on the union nuts and its anti-slip surface on the handle.

Standard range plain



Size	Discount group	Code	Unit £
16 mm	L	36500	16.80
20 mm	L	36501	16.20
25 mm	L	36502	17.60
32 mm	L	36503	24.20
40 mm	L	36504	27.70
50 mm	L	36505	34.00
63 mm	L	36506	46.40
75 mm	L	36507	166.60
90 mm	L	36508	227.00
110 mm	L	36509	390.90

PVC-U double union ball valve (TEFLON-EPDM) plain metric



Size	Discount group	Code	Unit £
16 mm	L	05355	19.70
20 mm	L	02470	19.70
25 mm	L	02471	22.30
32 mm	L	02472	31.10
40 mm	L	02473	37.30
50 mm	L	02474	50.00
63 mm	L	02475	65.20
75 mm	L	02476	180.50
90 mm	L	02477	249.90
110 mm (DN80)	L	05356	257.00

Standard range BSP female thread



Size	Discount group	Code	Unit £
3/8"	L	36510	17.60
1/2"	L	36511	16.70
3/4"	L	36512	18.50
1"	L	36513	24.10
1 1/4"	L	36514	28.00
1 1/2"	L	36515	38.40
2"	L	36516	52.40
2 1/2"	L	36517	159.10
3"	L	36518	227.60
4"	L	36519	414.20

PVC-U double union ball valve (TEFLON-EPDM) plain imperial



Size	Discount group	Code	Unit £
3/8"	L	07275	19.70
1/2"	L	07276	19.70
3/4"	L	07277	23.20
1"	L	07278	31.30
1 1/4"	L	07279	37.40
1 1/2"	L	07280	49.50
2"	L	07281	65.20
2 1/2"	L	02476	180.50
3"	L	07283	248.60
4" (DN80)	L	07284	296.60

PVC-U double union ball valve (PE-EPDM) plain metric



Size	Discount group	Code	Unit £
16 mm	L	05352	17.00
20 mm	L	02453	17.00
25 mm	L	02454	18.70
32 mm	L	02455	24.50
40 mm	L	02456	28.60
50 mm	L	02457	38.80
63 mm	L	02458	53.60
75 mm	L	02459	166.60
90 mm	L	02460	237.40
110 mm (DN80)	L	02461	240.20

PVC-U double union ball valve (TEFLON-EPDM) BSP female thread



Size	Discount group	Code	Unit £
3/8"	L	05357	19.70
1/2"	L	02478	19.70
3/4"	L	02479	23.30
1"	L	02480	31.90
1 1/4"	L	02481	40.50
1 1/2"	L	02482	51.40
2"	L	02483	66.60
2 1/2"	L	02484	194.40
3"	L	02485	257.00
4" (DN80)	L	05358	296.60

PVC-U double union ball valve (PE-EPDM) plain imperial



Size	Discount group	Code	Unit £
1/2"	L	07266	19.40
3/4"	L	07267	21.50
1"	L	07268	25.80
1 1/4"	L	07269	30.60
1 1/2"	L	07270	41.70
2"	L	07271	56.60

PVC-U VALVES

PVC-U spring check valve plain with EPDM seals metric



Size	Discount group	Code	Unit £
16 mm	L	09010	18.80
20 mm	L	09011	18.80
25 mm	L	09012	20.20
32 mm	L	09013	22.90
40 mm	L	09014	28.30
50 mm	L	09015	35.00
63 mm	L	09016	51.30
75 mm	L	09017	111.90
90 mm	L	09018	145.60
110 mm (DN80)	L	09019	175.20

PVC-U wafer check valve plain with EPDM seals



Size	Discount group	Code	Unit £
75 mm	L	08984	48.70
90 mm	L	08985	55.50
110 mm	L	08986	65.20
125 mm	L	09040	75.00
140 mm	L	08987	83.30
160 mm	L	08988	90.40
200 mm	L	09041	108.30
225 mm	L	08989	129.20

PVC-U spring check valve plain with EPDM seals imperial



Size	Discount group	Code	Unit £
½"	L	09110	18.80
¾"	L	09111	21.50
1"	L	09112	24.20
1¼"	L	09113	29.60
1½"	L	09114	37.80
2"	L	09115	51.30
2½"	L	09017	111.90
3"	L	09117	159.10
4" (DN80)	L	09118	175.20

PVC-U wafer check valve with mounting kit



Size	Discount group	Code	Unit £
75 mm	L	23312	107.80
90 mm	L	23313	148.30
110 mm	L	23314	182.00
125 mm	L	23315	221.10
140 mm	L	23316	256.20
160 mm	L	23317	326.40
200 mm	L	23318	438.80
225 mm	L	23319	494.30

PVC-U foot valve plain with EPDM seals metric



Size	Discount group	Code	Unit £
16 mm	L	08990	18.10
20 mm	L	08991	18.10
25 mm	L	08992	22.30
32 mm	L	08993	23.80
40 mm	L	08994	27.50
50 mm	L	08995	36.40
63 mm	L	08996	50.50
75 mm	L	08997	116.90
90 mm	L	08998	151.20
110 mm	L	08999	161.50

PVC-U foot valve plain with EPDM seals imperial



Size	Discount group	Code	Unit £
½"	L	09100	18.50
¾"	L	09101	22.40
1"	L	09102	25.00
1¼"	L	09103	29.10
1½"	L	09104	38.20
2"	L	09105	52.90
2½"	L	08997	116.90
3"	L	09107	158.80
4" (DN80)	L	09108	169.40

PVC-U VALVES

Standard range butterfly valve with EPDM seals

The new standard series butterfly valve has been designed after renovation of the current range. With a body in PVC-U it offers a high mechanical and environmental resistance. One piece body, which avoid leaks and compatible with any flange system (DIN, ASTM and JIS). A ergonomic handle with excellent resistance to corrosion and with 7 positions (each 15°) acts like a position indicator.

Standard range wafer only metric / imperial



Size	Discount group	Code	Unit £
75 mm / 2½"	L	32614	152.80
90 mm / 3"	L	32615	177.70
110 mm / 4"	L	32616	197.20
125-140 mm / 5"	L	32617	231.90
160 mm / 6"	L	32618	286.10
200-225 mm / 8"	L	32619	427.60
250 mm	L	46647	1,088.60
315 mm	L	46648	1,852.30

PVC-U Butterfly valve wafers



Size	Discount group	Code	Unit £
63 -75 mm / 2½"	L	02581	183.40
90 mm / 3"	L	02582	211.10
110 mm / 4"	L	02583	236.10
125 - 140 mm / 5"	L	02585	273.50
160 mm / 6"	L	02586	336.10
200 - 225 mm / 8"	L	02587	499.90
250 mm	L	15846	996.90

Standard range complete with mounting kit metric

Size	Discount group	Code	Unit £
63 mm	L	0583063K	199.40
75 mm	L	0583075K	213.50
90 mm	L	0583090K	271.30
110 mm	L	0583110K	309.60
125 mm	L	0583125K	378.00
140 mm	L	0583140K	396.80
160 mm	L	0583160K	538.70
200 mm	L	0583200K	751.60
225 mm	L	0583225K	794.50

PVC-U mounted butterfly valve complete plain with EPDM seals metric

Size	Discount group	Code	Unit £
63 mm	L	02598	229.20
75 mm	L	02599	243.00
90 mm	L	02600	306.90
110 mm	L	02601	350.00
125 mm	L	02602	419.30
140 mm	L	02603	438.80
160 mm	L	02604	590.20
200 mm	L	02605	829.00
225 mm	L	02606	872.00
250 mm	L	02607	997.00

New standard range with mounting kit imperial

Size	Discount group	Code	Unit £
2½"	L	0583075K	213.50
3"	L	0583908K	269.90
4"	L	0583910K	307.90
5"	L	0583140K	396.80
6"	L	0583914K	534.90
8"	L	0583917K	788.90

PVC-U mounted butterfly valve complete plain with EPDM seals imperial

Size	Discount group	Code	Unit £
2"	L	0581906	229.20
2½"	L	0581075	243.00
3"	L	0581908	306.90
4" (DN80)	L	0581910	349.10
5"	L	0581140	438.80
6"	L	0581914	587.10
8"	L	0581917	866.80

Butterfly Valve PP-GF Body, stainless steel shaft AISI 630, Gear Box



Size	Discount group	Code	Unit £
63-75 mm	L	34466	539.30
90 mm	L	34467	551.20
110 mm	L	34468	605.10
125-140 mm	L	34469	684.40
160 mm	L	34470	947.10
200-225 mm	L	34471	1,335.70
250-280 mm	L	34472	2,217.00
315 mm	L	32738	2,871.10

WHITE ABS FITTINGS

Elbow 90° plain



Size	Discount group	Code	Unit £
1½"	M	0501905AB	3.50
2"	M	0501906AB	8.00

Reducer male thread



Size	Discount group	Code	Unit £
2" - 1½"	M	0526663AB	4.00

Elbow 45° plain



Size	Discount group	Code	Unit £
1½"	M	0502905AB	3.40
2"	M	0502906AB	7.90

Socket nipple male thread



Size	Discount group	Code	Unit £
1½"	M	0517935AB	2.60
2"	M	0517936AB	5.70

TEE 90° plain



Size	Discount group	Code	Unit £
1½"	M	0503905AB	5.50
2"	M	0503906AB	9.00

Adaptor nipple plain/male thread



Size	Discount group	Code	Unit £
1½"	M	0515935AB	2.50
2"	M	0515936AB	5.70

Socket plain



Size	Discount group	Code	Unit £
1½"	M	0505905AB	3.00
2"	M	0505906AB	6.00

Cap plain



Size	Discount group	Code	Unit £
1½"	M	0507905AB	3.00
2"	M	0507906AB	4.00

Socket plain/female thread



Size	Discount group	Code	Unit £
1½"	M	0505935AB	4.50

Plug male thread

Size	Discount group	Code	Unit £
1½"	M	0519650AB	2.50

Reducer plain

Size	Discount group	Code	Unit £
2" - 1½"	M	0506960AB	2.60

3 piece union plain

Size	Discount group	Code	Unit £
1½"	M	0550905AB	13.60

WHITE ABS FITTINGS

Brass composite union male thread/plain female

Size	Discount group	Code	Unit £
1½"	M	70226	49.00

Hosetail plain

Size	Discount group	Code	Unit £
1½"	M	0524905AB	2.30

PVC double union ball valve plain

Size	Discount group	Code	Unit £
1½"	M	0562905BL	35.00
2"	M	0560906BL	46.00

Hosetail male thread

Size	Discount group	Code	Unit £
1½"	M	0524651AB	2.70

PTFE TAPE, PVC CLEANER & SOLVENT CEMENT

PTFE tape



Size

12 m X 12 mm X 0.076 mm
50 m X 19 mm X 0.1 mm

Discount group	Code	Unit £
L	56231	0.98
L	56232	9.20

PVC cleaner



Liquid cleaner for cleaning and degreasing pipes, sockets and other PVC rigid fittings before gluing together and for removing excess glue.

500 ml
1.000 ml

Discount group	Code	Unit £
L	57685	9.20
L	57687	14.30

PVC Gel Solvent cement



Slow setting time, allowing correct positioning of the fittings and perfect cementation, supplied with brush.

500 ml
1.000 ml

Discount group	Code	Unit £
L	68521	14.50
L	68522	24.60

PVC Blue Solvent cement



For use in pool installations, Its high gel composition and covering capacity gives perfect cementation, supplied with brush.

250 ml
500 ml
1.000 ml

Discount group	Code	Unit £
L	68518	11.00
L	68520	16.70
L	68592	26.70

PVC-U & ABS PIPE

Metric grey PVC-U pressure pipe plain ended



Size	Discount group	Code	Price per metre £
20 mm Class E	L	02722	1.70
25 mm Class C	L	02723	2.90
32 mm Class C	L	02707	3.20
40 mm Class C	L	02708	4.60
50 mm Class C	L	02709	7.30
63 mm Class C	L	02710	12.00
75 mm Class C	L	02711	17.20
90 mm Class C	L	02712	24.30
110 mm Class C	L	02713	27.50
125 mm Class C	L	02714	35.50
140 mm Class C	L	02715	45.60
160 mm Class C	L	02716	59.30
200 mm Class C	L	02718	94.00

Sold in 5 metre lengths only apart from 140mm which is a 6 metre length.

Imperial grey PVC-U pressure pipe plain ended



Size	Discount group	Code	Price per metre £
½" Class E	L	6115901	2.20
¾" Class E	L	6115902	3.20
1" Class E	L	6115903	4.60
1½" Class D	L	6112905	8.90
2" Class C	L	6112906	8.40
3" Class C	L	6112908	18.70
4" Class C	L	6112910	30.80
6" Class C	L	6112914	71.00

Sold in 6 metre lengths only.

Flexible grey PVC-U pipe



Size	Discount group	Code	Price per roll £
20 mm	N	30754	50.00
25 mm	N	30755	68.00
32 mm	N	30756	104.00
40 mm	N	30757	106.00
50 mm	N	69856	303.00
63 mm	N	69858	227.00
75 mm	N	34588	328.00

Supplied in 25 m rolls, apart from 50 mm pipe which is in a 50 metre roll.

ABS white pipe

Size	Discount group	Code	Unit £
1½" Class C	N	6110905AB	1.00
2" Class C	N	6110906AB	3.00

Supplied in 3 m lengths.





SPAS AND WELLBEING

- 264 • Our range of spas
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- 265 • Residential spas with wood cabinet coding
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- 270 • Spas range - Advanced range
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- 287 • Tiled spas
- 288 • Tiled spas - Skimmer spas - Domestic
- 292 • Tiled spas - Deck level spas - Commercial
- 295 • Tiled spas - Hidro spas - Commercial
- 297 • Tiled spas - Swimspas - Domestic
- 300 • Tiled spas - Bespoke
- 301 • Compact kits for spas
- 304 • Complements for spas
- 306 • Accessories
- 312 • Accessories for minispas
- 313 • Air blowers

OUR RANGE OF SPAS



Advanced Range

A range of spas intended for the most demanding users. Ergonomic spas, with numerous features and configuration settings.



Swimspa Range

Swimspas are small residential pools. Versatile, powerful and compact. A health and wellness centre available all year round.



Essential Range

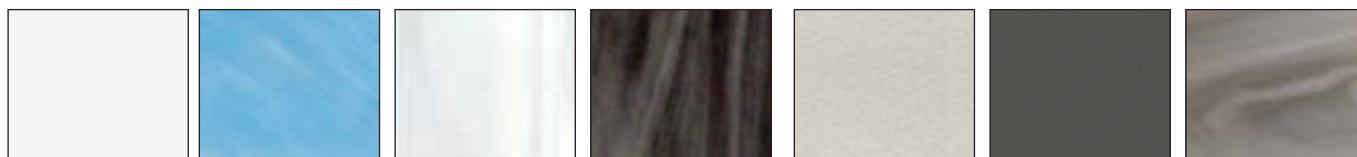
The Essential range seeks to strike a balance between functionality, performance and cost.



Commercial Range

Spas designed for commercial spaces, wellness centres, hotels... A wide range of options and finishes that cover all needs. Spas with both an acrylic and mosaic tile finish.

COLOUR CHART FOR SPAS



N° 44 WHITE

N° 46 BLUE MARBLE

N° 59 STERLING

N° 64 PEARL SHADOW

N° 72 PEARL CAMEO

N° 27 SILVER

N° 18 SAND

RESIDENTIAL SPAS WITH WOOD CABINET CODING

The coding structure for the wood cabinet spas is made up of 10 digits. The first 5 digits refer to the Spa model and the following ones indicate the range, coating and the colour of the accessories as it is also necessary to specify the colour.

This coding system will be structured in the following way:

X X X X X	X	X	X	XX	CL	XX
Spa model	Range	Cabinet versions	Accessories colour	Complements	Variation	Colour

Position from 1 to 5: 5 numbers of standard codification	
Position 6: Product range definition	
S	Standard
L	Luxe
A	Plus
Position 7: Cabinet version	
1	Spa with Coastal Grey Cabinet
4	Spa without Cabinet
E	Spa with recessed structure, compact kit version
K	Graphite Cabinet
P	Cabinet with screws Graphite
R	Thunder Cabinet
Q	Cabinet with screws Thunder
T	Creek Cabinet
W	Butterfly Cabinet
Position 8: Accessories colour definition	
3	Chrome-plated
Position from 9 to 10: Options configuration definition	
00	Std + Cover
05	Std + Cover + ECOSpa
20	Std + Cover + Lumiplus
21	Std + Cover + ECOSpa + Lumiplus
23	Std + Cover + Lumiplus + Audio
32	Std + Cover + Lumiplus + Stainless steel bar
27	Std + Cover + Lumiplus + ECOSpa + Stainless steel bar
33	Std + Cover + Lumiplus + Audio + Stainless steel bar
34	Std + Cover + Lumiplus + ECOSpa + Audio
35	Std + Cover + Lumiplus + ECOSpa + Audio + Stainless steel bar
56	Std + Cover + Lumiplus + ECOSpa + Audio + Barra Inox Mueble + Wifi Touch Panel
55	Std + Cover + Lumiplus + ECOSpa + Nordic Insulation System + Audio + Stainless steel bar + Wifi Touch Panel

COATING TYPES

Graphite



Coastal Grey



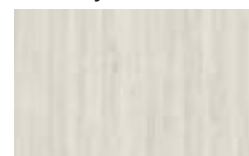
Thunder



Creek



Butterfly



While stocks last

OPTIONAL EQUIPMENT

EcoSpa thermal insulation



EcoSpa is one of the best thermal insulation systems currently available in the market. This comprehensive system manages to minimise heat loss by convection and conduction, and to use the heat generated by the heater and pumps found in the spa. The walls have an exclusive 30 mm thick layer of polyurethane foam insulation. A strong ABS substructure of insulating plastic at the bottom of the spa ensures total water tightness. Finally, an isothermal cover of between 100 and 130 cm thick gives extra insulation.

All of these features reduce heat loss to a minimum and maximise the recovery of the heat generated by the spa's components, thus reducing energy consumption by up to 67%. With ECOSpa, consumption to maintain the water at 38° with a room temperature of 20° is 6.48 kW/h, while without this system it is 19.52 kW/h.

EcoSpa option

Nordic Insulation System



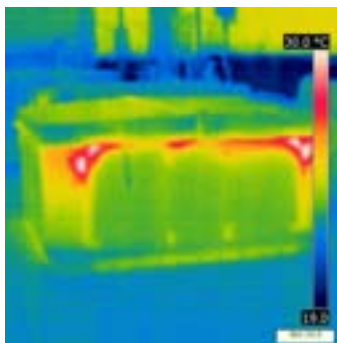
NORDIC INSULATION SYSTEM is designed for cold environments and can enhance your spa's energy efficiency.

The Nordic insulation system comprises a 10mm insulating material composed of five layers. This insulation layer is positioned in the sides and curves of the spa to create an insulating air chamber inside. The five layers are made from:

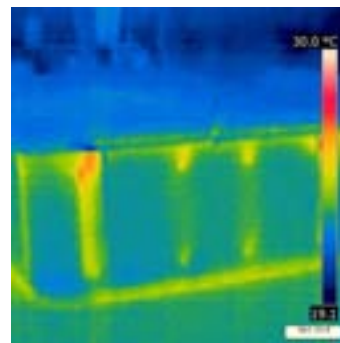
- Aluminium.
- RC9 bubble + low-density polyethylene (double layer).
- FONPEX non-crosslinked polyethylene foam (20 kg/m³).
- RC9 bubble + low-density polyethylene (double layer).
- Aluminium.

This system is an improvement over the EcoSpa class as it minimises temperature leak zones and optimises spa energy performance in extreme temperature situations.

Difference between the EcoSpa and Nordic insulation systems in thermal imaging:



Spa with EcoSpa



Spa with Nordic insulation system

Wi-Fi Touch panel



The Balboa Wi-Fi control panel is an app for your smart device (Android™ or iPhone®) which lets you access your spa over the internet from anywhere, home or away. All you need is a 3G, 4G or Wi-Fi connection to access and control your spa over your mobile phone or tablet.

By using the Wi-Fi control panel, you can make sure that your spa is ready for use every time you want to take a dip. Instead of having to go outside and fiddle around with the buttons on the control panel, this app will enable you to change your spa's settings from your mobile phone or tablet.

The app has a full control interface so you can set the water temperature, run the massage pumps and even control the filtration cycle.

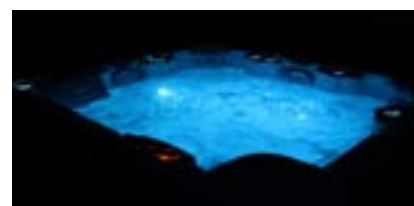
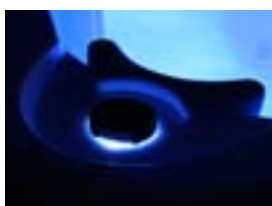
OPTIONAL EQUIPMENT

LumiPlus + Bluetooth Audio System, only available for fully skirted portable spas



Natural treatments are one of the main sources of health provided by a spa. Chromotherapy and music therapy are the perfect accompaniment to any hot tub.

Chromotherapy is the natural technique based on the use of colours to help your mind and body find their natural physical, mental and emotional balance. By choosing the LumiPlus option, 5 LED spotlights are added to your spa so that you can enjoy a spectacular ambient lighting system. Thanks to the 5 LED spotlights, you can choose the colours that match your mood at any given time.



The Bluetooth Audio System enables music to be played from any mobile phone, MP4 Player or audio equipment via a simple Bluetooth connection, without the need for any cables and with coverage of up to 7 metres. Now you can truly make your spa a centre of relaxation, health and beauty.

The Advance range has a 4.1 Bluetooth Audio system made up of 4 external loudspeakers, an internal sub-woofer and a Bluetooth receiver.

The Essential range has a 2.1 Bluetooth Audio system made up of 2 external loudspeakers, an internal sub-woofer and a Bluetooth receiver.

LumiPlus + Bluetooth Audio System option

STANDARD EQUIPMENT

Balboa Electronics, standard in all spas



AstralPool only uses new generation control systems made by BALBOA, a leading supplier of electronic controls for hydromassage tubs and spas.

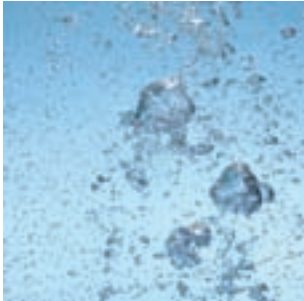
With the continual improvement made to its designs and its innovative solutions to increase the quality and reliability of its systems, the Balboa EL/GL and VS/GS family of control systems has been designed using patented M7 technology for temperature and flow sensors, and its new universal control system increases the flexibility of its functions and reduces installation and configuration problems.

These characteristics make the controls even more reliable, easier to install and easier to use.



STANDARD EQUIPMENT

Ozone disinfection system



Ozone is "active oxygen", a special element found in nature. Ozone is a powerful oxidising agent and, unlike traditional chemical products, it does not leave toxic waste behind, and when it has done its work it simply turns back into oxygen. Moreover, tests have proved that it effectively kills bacteria and mould.

AstralPool manufactures spas that give high quality performance and supplies an integrated ozone generator as a standard feature in all of its portable spas. The ozonator has numerous benefits: the water in spas will be safer, cleaner, purer, free of chloramines, trihalomethane and other chlorine by-products, with a high redox potential. Greater water clarity and algae control are obtained using lower concentrations of chemical substances.

A spa with water purified with ozone is one of the most pleasant relaxation and hydrotherapy experiences.

Ultraviolet disinfection system

Spas equipped with the ultraviolet system are disinfected using UV technology. Thanks to a UV lamp, all bacteria in the water are destroyed. The advantages of the ultraviolet system can be summarised as follows:

- It ensures water remains fresh, clean and clear.
- It is an efficient and safe way of disinfecting the water.
- Its UV-C light breaks down combined chlorine.
- It protects the water from germs.
- It keeps the formation of mould, bacteria and algae under control.
- It can reduce the amount of chlorine and other chemical products used by up to 80%.
- It prevents the smell of chlorine and irritation to the skin and eyes (bloodshot eyes).
- It is more environmentally friendly than traditional methods.

Using this system, all bacteria, mould and algae will automatically be removed from your spa, and it will be protected from germs without the need for any kind of maintenance.

Aroma, only available for spas with a blower



Aromatherapy offers the therapeutic properties of pure aromas for a natural treatment and makes a significant contribution in helping to restore your natural state of balance and harmony.

Nobody is indifferent to smells. They bring to mind emotions, memories and ideas. Increase the relaxing effect of your tub by adding a fragrance!

SPA RANGE

Model comparison

	ADVANCED RANGE						ESSENTIAL RANGE				SWIMSPA RANGE			
MODELS	Pure	Pure Ergo	Evolution	Atlantida 70	Pacific 70	Ocean 70	Select	Emotion	Equilibre	Corner	Swimspa Dual	Swimspa Mediterranea	Swimspa Creta	Swimspa Compact
Code	68450	68449	32474	62399	69130	69863	62398	58604	58603	43930	69126	64414	67203	69128
General Information														
Size cm (± 2 cm)	220 x 220 x 78	220 x 220 x 78	233 x 233 x 91	216 x 216 x 90	216 x 216 x 90	216 x 167 x 74	216 x 198 x 90	216 x 198 x 90	216 x 148 x 90	166 x 200 x 71	575 x 230 x 138	500 x 230 x 138	400 x 230 x 138	400 x 230 x 138
Places (Seats/Loungers)	4 (4 / -)	5 (3 / 2)	5 (3 / 2)	5 (3 / 2)	6 (5 / 1)	3 (1 / 2)	6 (5 / 1)	5 (3 / 2)	3 (2 / 1)	2 (1 / 1)	1 Vertical + 3 (2 / 1)	3 (2 / 1)	3 (2 / 1)	1 Vertical
Graphite Cabinet	-	-	•	•	•	•	•	•	•	-	-	-	-	-
Coastal Grey cabinet	-	-	-	-	-	-	-	-	-	YES	YES	YES	YES	YES
Thunder Cabin	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	-	-	-	-	-
Creek Cabinet	-	-	Optional	Optional	Optional	Optional	-	-	-	-	-	-	-	-
Butterfly Cabinet	-	-	Optional	Optional	Optional	Optional	-	-	-	-	-	-	-	-
Solid surface Cabinet	•	•	-	-	-	-	-	-	-	-	-	-	-	-
Without cabinet	-	-	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Options														
EcoSpa thermal insulation	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Nordic Insulation	Optional	Optional	Optional	Optional	Optional	Optional	-	-	-	-	-	-	-	-
Bluetooth Audio system	Optional (Sist. 4.1)	Optional (Sist. 4.1)	Optional (Sist. 4.1)	Optional (Sist. 4.1)	Optional (Sist. 4.1)	Optional (Sist. 4.1)	Optional (Sist. 2.1)	-	-	-	Optional (Sist. 4.1)	Optional (Sist. 4.1)	Optional (Sist. 4.1)	Optional (Sist. 4.1)
LumiPlus LED lighting system	•	•	•	•	•	•	Optional	-	-	-	•	•	•	•
Stainless steel jets	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Stainless steel bar	-	-	•	•	•	•	-	-	-	-	•	•	•	•
Wi-Fi Touch Panel	Optional	Optional	Optional	Optional	Optional	Optional	-	-	-	-	-	-	-	-
Configurations														
No of jets	27	28	54	52	50	42	52	34	24	22	15 + 5 Turbo Jets + 37 Jets	25 + 5 Turbo jets	48 + 4 Turbo jets	18 + 5 Turbo jets
No. of blower nozzles	12	14	16	14	10	-	-	-	-	7	-	1	-	-
Waterfalls	-	-	1	2	2	-	2	-	-	2	-	1	-	-
Headrests	2	3	3	3	3	2	3	2	1	2	3	1	3	-
Digital control panel	1	1	2	1	1	1	1	1	1	1	3	2	2	2
Oxynator	-	-	-	-	-	-	•	•	•	•	-	-	-	-
Ultraviolet	•	•	•	•	•	•	-	-	-	-	Yes	Yes	Yes	Yes
Aromatherapy	•	•	•	•	•	-	-	-	-	•	-	-	-	-
Chromotherapy	5 LEDs + light Tab	5 LEDs + light Tab	5 LEDs + light Tab	5 LEDs + light Tab	5 LEDs + light Tab	5 LEDs + light Tab	1 LED spot-light	1 LED spot-light	1 LED spot-light	1 LED spot-light	5 LEDs + light Tab	5 LEDs + light Tab	5 LEDs + light Tab	5 LEDs + light Tab
Structure and Cover														
High-resistance metal structure	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Insulating ABS base	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Isothermal cover	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Technical equipment														
Filter pump	250 W	250 W	250 W	250 W	250 W	250 W	250 W	-	-	250 W	280 W + 250 W	280 W	250 W	250 W
Massage pump	2 x 1.8 kW / 2.5 HP	2 x 1.8 kW / 2.5 HP	2 x 2.2 kW / 3 HP	2 x 1.8 kW / 2.5 HP	2 x 1.8 kW / 2.5 HP	2.2 kW / 3 HP	2 x 1.8 kW / 2.5 HP	1 x 2.2 kW / 3 HP, 2 Vel.	1 x 2.2 kW / 3 HP, 2 Vel.	1 x 1.8 kW / 2.5 HP	3 x 2.2 kW / 3 HP + 2.2 kW / 3 HP	3 x 2.2 kW / 3 HP	3 x 2.2 kW / 3 HP	3 x 2.2 kW / 3 HP
Blower pump	1,150 W	1,150 W	400 W	400 W	400 W	-	-	-	-	400 W	-	-	-	-
Electric heater	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW	3 kW
Power consumption and capacity														
Consumption in low amps (W)	3,280 W	3,280 W	5200 W	4400 W	4400 W	3280 W	3870 W	3460 W	3460 W	3250 W	9500 W	7000 W	7000 W	7000 W
Required power (A) at 230 V	14.3 A	14.3 A	22.6 A	19.1 A	19.1 A	14.3 A	16.8 A	15.0 A	15.0 A	14.1 A	41.3 A	30.4 A	30.4 A	30.4 A
230 V or 400 V III connection	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Water capacity (litres)	975 l	975 l	1.610 l	1.138 l	1.138 l	780 l	980 l	900 l	700 l	360 l	6.780 l	8.500 l	6.000 l	6.000 l
Spa weight (Empty / Full)	450 kg / 1425 kg	450 kg / 1425 kg	378 kg / 1988 kg	327 kg / 1227 kg	327 kg / 1465 kg	229 kg / 1009 kg	305 kg / 1285 kg	292 kg / 1192 kg	229 kg / 929 kg	197 kg / 557 kg	1379 kg / 8159 kg	1177 kg / 9677 kg	1177 kg / 7177 kg	1150 kg / 7150 kg

SPAS RANGE - ADVANCED RANGE

New

Pure - Code 68450



WHITE COLOUR (44)
SOLID SURFACE CABINET

TECHNICAL SHEET	
Size in cm (± 2cm)	220 x 220 x 78
Positions (Seats / Loungers)	4 (4 / -)
Jets + blower nozzles	27 + 12
Maximum consumption in low amp - (A) at 230 V	3280 W - 14.3 A



Description	Code	Discount group	Unit £
PURE White Solid Surface Cabinet + PureLine + ECOSpa	68450SS336	W	22,700.00
PURE White Solid Surface Cabinet + PureLine + Audio Bluetooth + ECOSpa	68450SS337	W	23,950.00
Options			
ECOSpa	-	-	POA
Audio Bluetooth 4,1	-	-	POA
Nordic Insulation			POA
Wifi Touch Panel			POA

The codes can be found in the table on page 265.

New

Pure Ergo - Code 68449



WHITE COLOUR (44)
SOLID SURFACE CABINET

TECHNICAL SHEET	
Size in cm (± 2cm)	220 x 220 x 78
Positions (Seats / Loungers)	5 (3 / 2)
Jets + blower nozzles	28 + 14
Maximum consumption in low amp - (A) at 230 V	3280 W - 14.3 A



Description	Code	Discount group	Unit £
PURE ERGO White Solid Surface Cabinet + PureLine + ECOSpa	68449SS336	W	22,993.00
PURE ERGO White Solid Surface Cabinet + PureLine + Audio Bluetooth + ECOSpa	68449SS337	W	24,256.00
Options			
ECOSpa	-	-	POA
Audio Bluetooth 4,1	-	-	POA
Nordic Insulation			POA
Wifi Touch Panel			POA

The codes can be found in the table on page 265.

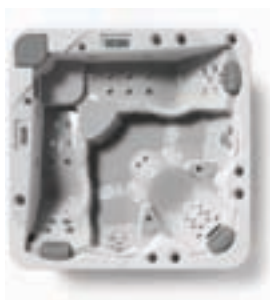
RESIDENTIAL SPAS IN WOOD CABINET - ADVANCED

Evolution - Code 32474



COLOUR STERLING (59), THUNDER CABINET

TECHNICAL FEATURES	
Size in cm (± 2cm)	233 x 233 x 91
Positions (Seats / Loungers)	5 (3 / 2)
Jets + nozzles	54 + 16
Max. consumption in Low Amp (A) at 230 V	5 200W - 22.6A-230 V - 28.3 A



Description	Code	Discount group	Unit £
Metallic structure + S.S. Jets + Lumiplus + Cover	32474L4320	W	15,108.00
Graphite Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	32474LK332	W	15,579.00
Thunder Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	32474LR332	W	15,579.00
Creek Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	32474LT332	W	15,579.00
Options			
ECOSpa			POA
Audio Bluetooth 4.1			POA

The codes can be found in the table on page 265.

Atlantida 70 - Code 62399



COLOUR STERLING (59) THUNDER CABINET

TECHNICAL FEATURES	
Size in cm (± 2cm)	216 x 216 x 90
Positions (Seats / Loungers)	5 (3 / 2)
Jets + nozzles	52 + 14
Max. consumption in Low Amp (A) at 230 V	4.400 W / 19,1 A



Descripción	Code	Discount group	Unit £
Metallic structure + S.S. Jets + Lumiplus + Cover	62399A4320	W	11,498.00
Graphite Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	62399AK332	W	11,969.00
Thunder Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	62399AR332	W	11,969.00
Creek Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	62399AT332	W	11,969.00
Options			
ECOSpa	-	-	POA
Audio Bluetooth 4,1	-	-	POA

The codes can be found in the table on page 265.

We reserve the right to change, wholly or partially, the features of our products and the contents of this document, without prior notice.

RESIDENTIAL SPAS IN WOOD CABINET - ADVANCED

Pacific 70 - Code 69130



STERLING COLOUR (59)
CREEK CABINET

TECHNICAL FEATURES	
Size in cm (± 2cm)	216 x 216 x 90
Positions (Seats / Loungers)	6 (5 / 1)
Jets + nozzles	52 + 10
Max. consumption in Low Amp (A) at 230 V	4.400 W / 19,1 A



Description	Code	Discount group	Unit £
Metallic structure + S.S. Jets + Lumiplus + Cover	69130A4320	W	11,487.00
Graphite Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	69130AK332	W	11,958.00
Thunder Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	69130AR332	W	11,958.00
Creek Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	69130AT332	W	11,958.00
Options			
ECOSpa	-	-	POA
Audio Bluetooth 4,1	-	-	POA

The codes can be found in the table on page 265.

Ocean 70 - Code 69863



WHITE COLOUR (44)
THUNDER CABINET

TECHNICAL FEATURES	
Size in cm (± 2cm)	216 x 167 x 74
Positions (Seats / Loungers)	3 (1 / 2)
Jets	42
Max. consumption in Low Amp (A) at 230 V	3.280 W / 14,3 A



Description	Code	Discount group	Unit £
Metallic structure + S.S. Jets + Lumiplus + Cover	69863A4320	W	8,551.00
Graphite Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	69863SA332	W	8,984.00
Thunder Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	69863AR332	W	8,984.00
Creek Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	69863AT332	W	8,984.00
Options			
ECOSpa			POA
Audio Bluetooth 4,1			POA

The codes can be found in the table on page 265.

RESIDENTIAL SPAS IN WOOD CABINET - ESSENTIAL

Select - Code 62398



STERLING COLOUR (59)
GRAPHITE CABINET

FICHA TÉCNICA	
Size in cm (± 2cm)	216 x 216 x 90
Positions (Seats / Loungers)	6 (5 / 1)
Jets	50
Max. consumption in Low Amp (A) at 230 V	3.870 W / 16,8 A



Description	Code	Discount group	Unit £
Metallic structure + S.S. Jets + Lumiplus + Cover	62398A4300	W	8,642.00
Graphite Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	62398AP300	W	9,113.00
Thunder Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	62398AQ300	W	9,113.00
Options			
LumiPlus	-	-	POA
ECOSpa	-	-	POA
Audio Bluetooth 2.1	-	-	POA

The codes can be found in the table on page 265.

Emotion - Code 58604



STERLING COLOUR (59)
GRAPHITE CABINET

TECHNICAL FEATURES	
Size in cm (± 2cm)	216 x 198 x 90
Positions (Seats / Loungers)	5 (3 / 2)
Jets	34
Max. consumption in Low Amp (A) at 230 V	3.460 W - 15,0 A



Description	Code	Discount group	Unit £
Metallic structure + S.S. Jets + Lumiplus + Cover	58604S4300	W	7,646.00
Graphite Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	58604SP300	W	8,117.00
Thunder Cabinet + S.S. Jets + S.S. bar + Lumiplus + Cover	58604SQ300	W	8,117.00
Options			
ECOSpa	-	-	POA

The codes can be found in the table on page 265.

RESIDENTIAL SPAS IN WOOD CABINET - ESSENTIAL



Equilibre - Code 58603



STERLING COLOUR (59),
GRAPHITE CABINET

TECHNICAL FEATURES	
Size in cm (± 2cm)	216 x 148 x 90
Positions (Seats / Loungers)	3 (2 / 1)
Jets	24
Max. consumption in Low Amp (A) at 230 V	3 460 W - 15.0 A



Description	Code	Discount group	Unit £
Metallic structure + S.S. Jets + Cover	58603S4300	W	6,497.00
Graphite Cabinet + S.S. Jets + Cover	58603SP300	W	6,968.00
Thunder cabinet + S.S Jets + Cover	58603SQ300	W	6,968.00
Options			
ECOSpa			POA

Corner - Code 43930



PEARL CAMEO COLOUR (72),
COASTAL GREY CABINET

TECHNICAL FEATURES	
Size in cm (± 2cm)	166 x 200 x 71
Positions (Seats / Loungers)	2 (2 / 1)
Jets + nozzles	22 + 7
Max. consumption in Low Amp (A) at 230 V	3 250 W - 14.1 A



Description	Code	Discount group	Unit £
Metallic structure + S.S. Jets + Cover	43930S4300	W	7,090.00
Coastal Grey Cabinet + S.S. Jets + Cover	43930S1300	W	7,454.00
Options			
ECOSpa			POA

RESIDENTIAL SPAS IN WOOD CABINET - SWIMSPA

Swimspa Dual - Code 69126



TECHNICAL FEATURES	
Size in cm (± 2cm)	575 x 230 x 138
Positions (Seats / Loungers)	1 Vertical 3 (2 / 1)
Jets	37 Jets 15+5 Turbo jets
Max. consumption in Low Amp (A) at 230 V	9.500 W / 41,3 A

Description	Code	Discount group	Unit £
Coastal Grey cabinet + S.S. Jets + Lumiplus + Cover	69126A1320	W	31,562.00
Metallic structure + S.S. Jets + Lumiplus + Cover	69126A4320	W	30,469.00
Options			
Audio Bluetooth 4.1	-	-	POA
ECOSpa	-	-	POA

The codes can be found in the table on page 265.

Swimspa Mediterranea - Code 64414



TECHNICAL FEATURES	
Size in cm (± 2cm)	500 x 230 x 138
Positions (Seats / Loungers)	3 (2 / 1)
Jets	25 jets + 5 Turbo jets + 3 Fountain jets
Max. consumption in Low Amp (A) at 230 V	7.000 W / 30,4 A

Description	Code	Discount group	Unit £
Coastal Grey cabinet + S.S. Jets + Lumiplus + Cover	64414A1320	W	24,278.00
Metallic structure + S.S. Jets + Lumiplus + Cover	64414A4320	W	23,185.00
For Kit + S.S. Jets + Colour LEDS + Digital control panel + Cover	65353SE311	W	22,220.00
Options			
ECOSpa	-	-	POA
Audio Bluetooth 4.1	-	-	POA

Model 65353 must be supplied with the compact kit, code 64972CE001.

The codes can be found in the table on page 265.

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RESIDENTIAL SPAS IN WOOD CABINET- SWIMSPA

Swimspa Creta - Code 67203



WHITE COLOUR (44)



WHITE COLOUR (44)
URBAN GREY CABINET



TECHNICAL FEATURES

Size in cm (± 2cm)	400 x 230 x 138
Positions (Seats / Loungers)	3 (2 / 1)
Jets + nozzles	48 jets + 4 Turbo jets
Max. consumption in Low Amp (A) at 230 V	7 000 W / 30.4 A



Description	Code	Discount group	Unit £
Grey Cabinet + S.S. Jets + Lumiplus + Cover	67203A1320	W	22,210.00
Metallic structure + S.S. Jets + Lumiplus + Cover	67203A4320	W	21,277.00
For Kit + S.S. Jets + LEDs Color + Digital Control Panel + Cover	67587SE311	W	20,022.00
Options			
ECOSpa			POA
Audio Bluetooth 4.1			POA

The codes can be found in the table on page 265.

Swimspa Compact - Code 69128



WHITE COLOUR (44)
COASTAL GREY CABINET



WHITE COLOUR (44)
URBAN GREY CABINET

TECHNICAL FEATURES

Size in cm (± 2cm)	400 x 230 x 138
Positions (Seats / Loungers)	1 Vertical
Jets	18+5 Turbo Jets
Max. consumption in Low Amp (A) at 230 V	7.000 W / 30,4 A



Description	Code	Discount group	Unit £
Coastal Grey Cabinet + S.S. Jets + Lumiplus + Cover	69128A1320	W	21,766.00
Metallic structure + S.S. Jets + Lumiplus + Cover	69128A4320	W	20,833.00
Options			
ECOSpa	-	-	POA
Audio Bluetooth 4,1	-	-	POA

The codes can be found in the table on page 265.

IN-GROUND RESIDENTIAL SPAS

Thalassa - Code 40768



WHITE COLOUR (44)



TECHNICAL FEATURES

Size	216 x 198 (± 2 cm)
Jets + nozzles	21 + 16
Drainage	1
Electronic control panel	Yes
Positions (Seats / Loungers)	6 (5 / 1)
Water capacity	980 l
Empty/Full spa weight	251 Kg / 1231 Kg
Headrests	3
Hard Cover	Optional
LED light chromotherapy	Yes
Jets	Stainless Steel
Waterfall	1
Metallic structure	Yes

Description	Code	Discount group	Unit £
Colour LEDS + Digital control panel	40768SE310	W	8,468.00
Colour LEDS + Digital control panel + Cover	40768SE311	W	9,424.00

Kit 41993CE000 or 41993CE001 is required for these spas.

Baltic 40 - Code 54438



PEARL CAMEO COLOUR (72)



TECHNICAL FEATURES

Size	216 x 148 (± 2 cm)
Jets + nozzles	14 + 10
Drainage	1
Electronic control panel	Yes
Positions (Seats / Loungers)	3 (2 / 1)
Water capacity	700 l
Empty/Full spa weight	139 Kg / 839 Kg
Headrests	1
Hard Cover	Optional
Chromotherapy LED light	Yes
Jets	Stainless Steel
Aromatherapy + Chromotherapy	Yes
Waterfall	2
Metallic structure	Yes

Description	Code	Discount group	Unit £
Colour LEDS + Digital control panel	54438SE310	W	7,416.00
Colour LEDS + Digital control panel + Cover	54438SE311	W	8,381.00

Kit 41993CE000 or 41993CE001 is required for these spas.

IN-GROUND RESIDENTIAL SPAS

Ronda 30 - Code 49859



PEARL CAMEO COLOUR (72)



TECHNICAL FEATURES	
Size	Ø 205 (± 2 cm)
Jets + nozzles	20 + 10
Drainage	1
Electronic control panel	Yes
Positions (Seats / Loungers)	5 (5 / 0)
Water capacity	680 l
Empty/Full spa weight	132 kg - 812 kg
Chromotherapy LED light	Yes
Jets	Stainless Steel
Metallic structure	Yes
Hard Cover	Optional

Description	Code	Discount group	Unit £
Colour LEDS + Digital control panel	49859SE310	W	8,009.00
Colour LEDS + Digital control panel + Cover	49859SE311	W	8,732.00

Kit 41993CE000 or 41993CE001 is required for these spas.

Inca - Code 04005



WHITE COLOUR (44)

BLUE MARBLE COLOUR (46)



TECHNICAL FEATURES	
Size	196 x 196 (± 2 cm)
Jets + nozzles	4 + 10
Drainage	1
Electronic control panel	Yes
Positions (Seats / Loungers)	3 (2 / 1)
Air control valve	6 (6 / 0)
Water capacity	815 l
Empty/Full spa weight	160 Kg / 975 Kg
Chromotherapy LED light	Yes
Jets	Stainless Steel
Metallic structure	Yes
Hard Cover	Optional

Description	Code	Discount group	Unit £
Colour LEDS + Digital control panel	04005SE310	W	5,176.00
Colour LEDS + Digital control panel + Cover	04005SE311	W	6,118.00

Kit 41993CE000 or 41993CE001 is required for these spas.

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IN-GROUND OVERFLOW COMMERCIAL SPAS

Comparison of models with an overflow channel

								
MODELS	Roma	Verona	Wellmax	Tokyo 70	Olympia	Odisea 20	Casiopea	Formentera
	40769	70550	43638	53990	26440	45709	04007	16413
Size cm (± 2 cm)	Ø 300	228 x 228	460 x 281	340 x 240	379 x 249	Ø 230	225 x 225	218 x 199
Positions (Seats / Loungers)	9 (9 / -)	5 (3 / 2)	7 (5 / 2)	7 (6 / 1)	11 (11 / -)	5 (5 / -)	4 (4 / -)	4 (4 / -)
Water capacity (litres)	2,290 l	1,200 l	2,940 l	2,200 l	2,490 l	1,120 l	782 l	959 l
Spa weight Empty	310 Kg	147 Kg	508 kg	373 kg	373 kg	163 kg	143 kg	250 kg
Spa weight Full	2,600 Kg	1,347 Kg	3,448 kg	2,573 kg	2,863 kg	1,283 kg	925 kg	1,209 kg
Acrylic	•	•	•	•	•	•	•	•
Colours	44 / 46 / 59	All	44 / 46 / 59	44 / 46 / 59	44 / 46 / 59	All	All	All
No of jets	18	24	53	58	16	8	4	12
No of air nozzles	18	12	10	21	20	10	7	28
Headrests	-	-	2	2	-	-	-	4
Piezoelectric press buttons	2	2	4	3	2	2	2	2
High resistance metallic structure	•	•	•	•	•	•	•	•
Projector	•	•	•	•	•	•	•	•
Chromotherapy	Op. 1 LED	Op. 1 LED	2 LEDs	4 LEDs	Op. 1 LED	Op. 1 LED	Op. 1 LED	Op. 1 LED
Isothermal cover	Op.	Op.	Op.	Op.	Op.	Op.	Op.	Op.
Recommended compact kit	Kit 75 2M	Kit 50 or 75	Kit 75 3M	Kit 75 3M	Kit 75 2M	Kit 50 or 75	Kit 50 or 75	Kit 75 2M

			
MODELS	Vulcano	Mercurio	Minerva
	71469	71470	71471
Size cm (± 2 cm)	Ø 230	268 x 230	228 x 223
Positions (Seats / Loungers)	6 (6 / -)	4 (2 / 2)	4 (2 / 2)
Water capacity (litres)	1,300 l	2,000 l	1,200 l
Spa weight Empty	350 kg	500 kg	650 kg
Spa weight Full	1,650 kg	2,000 kg	1,200 kg
Mosaic	-	-	-
Colours	Stainless steel		
No of jets	12	12	29
No of air nozzles	Equiv. to 15 nozzles	Equiv. to 32 nozzles	Equiv. to 2 nozzles
Headrests	-	Yes	Yes
Piezoelectric press buttons	Yes	Yes	Yes
High resistance metallic structure	Yes	Yes	Yes
Projector	Yes	Yes	Yes
Chromotherapy	as standard	as standard	as standard
Isothermal cover	Op.	Op.	Op.
Recommended compact kit	Kit 75	Kit 75	Kit 75

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IN-GROUND OVERFLOW COMMERCIAL SPAS

New

Roma - Code 40769



COLOUR: BLUE MARBLE (46)



TECHNICAL SHEET

Size in cm (± 2cm)	Ø 300 cm
Positions (Seats / Loungers)	9 (9 / -)
Jets + blower nozzles	18 + 18
Recommended compact kit	Kit 75 2M

Description	Code	Discount group	Unit £
ROMA + Light	40769SE001	W	10,489.00
ROMA + Light + Cover	40769SE006	W	11,747.00

Spa cover and balance tank sold separately. See section "Spa accessories".

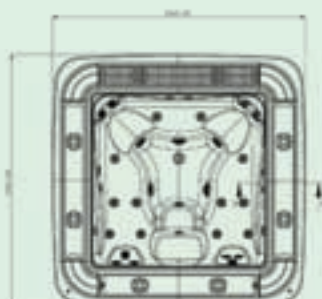
Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

New

Verona - Code 70550



WHITE COLOUR (44)



TECHNICAL SHEET

Size in cm (± 2cm)	228 x 228 cm
Positions (Seats / Loungers)	5 (3 / 2)
Jets + blower nozzles	24 + 12
Recommended compact kit	Kit 50 or 75

Description	Code	Discount group	Unit £
VERONA + Light	70550SE001	W	9,900.00
VERONA + Light + Cover	70550SE006	W	11,259.00

Spa cover and balance tank sold separately. See section "Spa accessories".

Fully fitted with overflow channel, main drain, filtering, hydromassage and blower nozzles, hydromassage buttons and overflow grating. Balance tank not included.

IN-GROUND OVERFLOW COMMERCIAL SPAS

Wellmax - Code 43638



WHITE COLOUR (44)



Spa cover and balance tank sold separately.
See section "Spa accessories".

TECHNICAL FEATURES

Dimensions	460 x 281 cm
Positions (seats / loungers)	7 (5 / 2)
Jets + air nozzles	53 + 10
Compact Kit recommended	Kit 75 3M - Code 43639

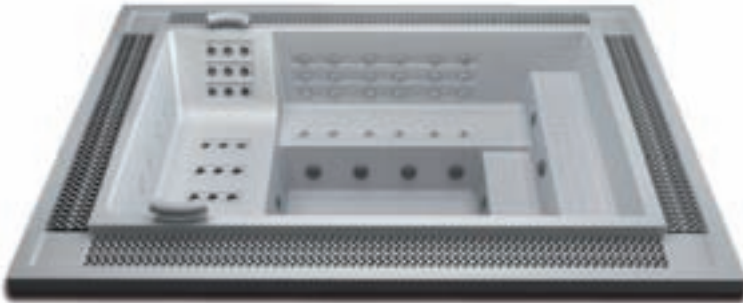
Description	Code	Discount group	Unit £
Stainless steel Jets + Colour LEDs + S. S. handrails	43638SP315	W	28,847.00



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IN-GROUND OVERFLOW COMMERCIAL SPAS

Tokyo 70 - Code 53990



WHITE COLOUR (44)

Spa cover and balance tank sold separately. See section "Spa accessories".



TECHNICAL FEATURES

Dimensions	340 x 240 cm
Positions (seats / loungers)	7 (6 / 1)
Jets + air nozzles	58 + 21
Compact Kit recommended	Kit 75 3M - Code 43639

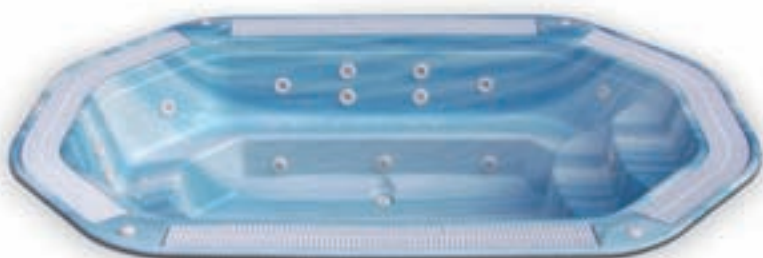
Description	Code	Discount group	Unit £
Stainless steel Jets + Colour LEDs + Piezoelectric switches	53990SE315	W	20,337.00
Stainless steel Jets + Colour LEDs + Piezoelectric switches + Cover	53990SE316	W	21,656.00
Waterfall + Stainless steel Jets + Colour LEDs + Piezoelectric switches	53993SE315	W	20,584.00
Waterfall + Stainless steel Jets + Colour LEDs + Piezoelec.switches + Cover	53993SE316	W	21,903.00



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IN-GROUND OVERFLOW COMMERCIAL SPAS

Olympia - Code 26440



BLUE MARBLE COLOUR (46)

TECHNICAL FEATURES	
Dimensions	379 x 249 cm
Positions (seats / loungers)	11 (11 / -)
Jets + air nozzles	16 + 20
Compact Kit recommended	Kit 75 2M - Code 16412



Description	Code	Discount group	Unit £
White Jets + Light + Piezoelectric switches	26440SE001	W	15,497.00
White Jets + Light + Piezoelectric switches + Cover	26440SE006	W	17,486.00
White Jets + Colour LEDs + Piezoelectric switches	26440SE015	W	15,944.00
White Jets + Colour LEDs + Piezoelectric switches + Cover	26440SE016	W	17,933.00

Odisea 20 - Code 45709



WHITE COLOUR (44)

TECHNICAL FEATURES	
Dimensions	Ø 230 cm
Positions (seats / loungers)	5 (5 / -)
Jets + air nozzles	8 + 10
Compact Kit recommended	Kit 50 - Code 04015 / Kit 75 - Code 05135



Description	Code	Discount group	Unit £
White Jets + Light + Piezoelectric switches	45709SP001	W	8,125.00
White Jets + Light + Piezoelectric switches + Cover	45709SP006	W	9,319.00
White Jets + Colour LEDs + Piezoelectric switches	45709SP015	W	8,571.00
White Jets + Colour LEDs + Piezoelectric switches + Cover	45709SP016	W	9,766.00

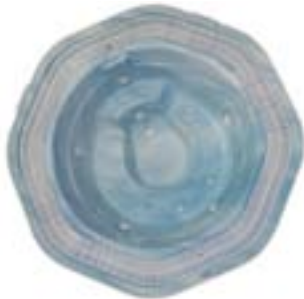
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IN-GROUND OVERFLOW COMMERCIAL SPAS

Casiopea - Code 04007



BLUE NAVY COLOUR (52)



TECHNICAL FEATURES	
Dimensions	225 x 225 cm
Positions (seats / loungers)	4 (4 / -)
Jets + air nozzles	4 + 7
Compact Kit recommended	Kit 50 - Code 04015 / Kit 75 - Code 05135

Description	Code	Discount group	Unit £
White Jets + Light + Piezoelectric switches	04007SE001	W	7,680.00
White Jets + Light + Piezoelectric switches + Cover	04007SE006	W	8,804.00
White Jets + Colour LEDs + Piezoelectric switches	04007SE015	W	8,127.00
White Jets + Colour LEDs + Piezoelectric switches + Cover	04007SE016	W	9,251.00

Formentera - Code 16413



PEARL SHADOW COLOUR (56)



TECHNICAL FEATURES	
Dimensions	218 x 199 cm
Positions (seats / loungers)	4 (4 / -)
Jets + air nozzles	12 + 28
Compact Kit recommended	Kit 75 2M - Code 16412

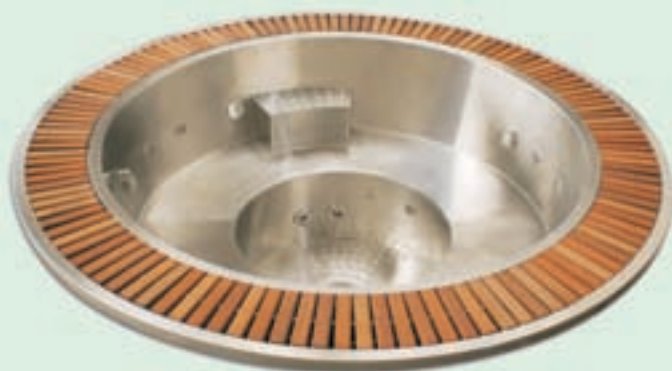
Description	Code	Discount group	Unit £
White Jets + Light + Piezoelectric switches	16413SE001	W	9,342.00
White Jets + Light + Piezoelectric switches + Cover	16413SE006	W	10,577.00
White Jets + Colour LEDs + Piezoelectric switches	16413SE015	W	9,789.00
White Jets + Colour LEDs + Piezoelectric switches + Cover	16413SE016	W	11,024.00

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STAINLESS STEEL PUBLIC SPAS WITH OVERFLOW CHANNEL

New

Vulcano - Code 71469



TECHNICAL SHEET

Dimensions in cm (± 1cm)	Ø 230 x 90
Positions (Seats / Loungers)	6 (6 / -)
Jets + nozzles	12 + 15
Recommended compact kit	Kit 75 - Code 05135

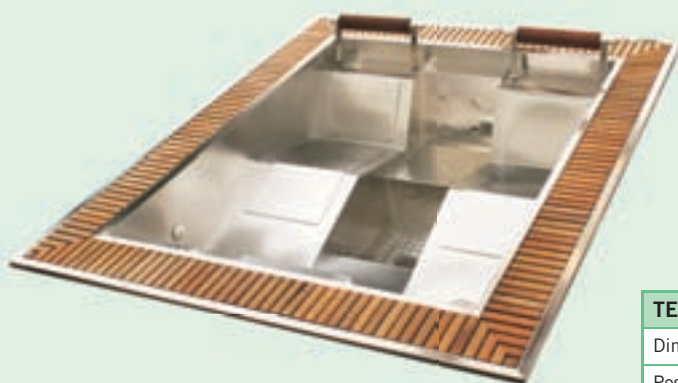
Spa cover and balance tank sold separately.
See section "Spa accessories".

Equipped with overflow channel, main drain, hydromassage push buttons, and filtration, hydromassage and blower nozzles. Buffer tank not included.

Description	Code	Discount group	Unit £
VULCANO circular stainless steel SPA + Spotlight	71469	W	POA

New

Mercurio - Code 71470



Spa cover and balance tank sold separately.
See section "Spa accessories".

TECHNICAL SHEET

Dimensions in cm (± 1cm)	268 x 230 x 90
Positions (Seats / Loungers)	4 (2 / 2)
Jets + nozzles	12 + 29
Recommended compact kit	Kit 75 - Code 05135

Description	Code	Discount group	Unit £
MERCURIO Rectangular Stainless steel SPA + Spotlight	71470	W	POA

STAINLESS STEEL PUBLIC SPAS WITH OVERFLOW CHANNEL

New

Minerva - Code 71472



Spa cover and balance tank sold separately. See section "Spa accessories".

TECHNICAL SHEET	
Dimensions in cm (± 1cm)	205 x 205 x 90,5
Positions (Seats / Loungers)	4 (2 / 2)
Jets + nozzles	2 + 29
Recommended compact kit	Kit 75 - Code 05135



Description	Code	Discount group	Unit £
MINERVA Design Stainless steel SPA + Spotlight	71472	W	POA

TILED SPAS

A Spa comes from the Latin expression “Salutem per Acqua,” making water the most important part of the wellness spectrum (healing through water).

Our spas are available in a wide choice of finishes, including mosaic, glass and porcelain. The vast range of features, such as water cannons, volcano pads and air loungers allows your spa to be tailored to your ideals.

With 25 years of manufacturing experience and an ISO9001 accredited factory, our spas are made truly bespoke. From superyachts to hotels, we create totally unique wellness spaces that exceeds everyone’s expectations.



TILED SPAS - SKIMMER SPAS - DOMESTIC

1.54 Yin & Yang



SPECIFICATION			
Dimensions	Ø 1.54 m	Skimmer	1
Positions	2	Air Nozzles	26
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included
Total No. of Jets	12		

Description	Code	Discount group	Unit £
Yin & Yang		V	15,473.64

1.9 St Lucia



SPECIFICATION			
Dimensions	Ø 1.90 m	Skimmer	1
Positions	4/5	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included
Total No. of Jets	10		

Description	Code	Discount group	Unit £
St Lucia		V	14,878.50

2.1 Round

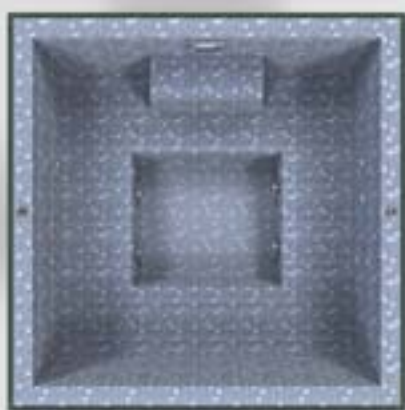


SPECIFICATION			
Dimensions	Ø 2.10 m	Skimmer	1
Positions	5	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included
Total No. of Jets	10		

Description	Code	Discount group	Unit £
Round		V	16,068.78

TILED SPAS - SKIMMER SPAS - DOMESTIC

2.0 Square



SPECIFICATION			
Dimensions	2 x 2 m	Skimmer	1
Positions	6	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included
Total No. of Jets	10		

Description	Code	Discount group	Unit £
2 m Square		V	16,187.81

2.27 Square



SPECIFICATION			
Dimensions	2.27 x 2.27 m	Skimmer	1
Positions	6	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included
Total No. of Jets	10		

Description	Code	Discount group	Unit £
2.27 Square		V	17,259.06

2.1 x 1.8 With Lounger



SPECIFICATION			
Dimensions	2.1 x 1.8 m	Skimmer	1
Positions	6	Air Nozzles	20
Material	GRP / Tiled	Push Buttons	3
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included
Total No. of Jets	12		

Description	Code	Discount group	Unit £
2.1 m x 1.8 m With Lounger		V	16,663.92

TILED SPAS - SKIMMER SPAS - DOMESTIC

2.2 Square With Lounger



SPECIFICATION			
Dimensions	2.2 x 2.2 m	Skimmer	1
Positions	7	Air Nozzles	20
Material	GRP / Tiled	Push Buttons	3
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included
Total No. of Jets	12		

Description	Code	Discount group	Unit £
2.2 m x 2.2 m With Lounger		V	17,259.06

2.3 Antigua



SPECIFICATION			
Dimensions	2.3 m	Skimmer	1
Positions	5	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included
Total No. of Jets	10		

Description	Code	Discount group	Unit £
Antigua		V	16,068.78

TILED SPAS - SKIMMER SPAS - DOMESTIC

2.4 Martinique



SPECIFICATION			
Dimensions	Ø 2.42 m	Skimmer	1
Positions	5	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included
Total No. of Jets	10		

Description	Code	Discount group	Unit £
Martinique		V	17,259.06

2.9 Bequia



SPECIFICATION			
Dimensions	2.9 x 2.0 m	Skimmer	1
Positions	6	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	3
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included
Total No. of Jets	18		

Description	Code	Discount group	Unit £
Bequia		V	17,854.20

TILED SPAS - DECK LEVEL SPAS - COMMERCIAL

2.5 Martinique



SPECIFICATION			
Dimensions	Ø 2.5 m	Total No. of Jets	10
Positions	6	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included

Description	Code	Discount group	Unit £
Martinique		V	18,449.34

2.8 Antigua



SPECIFICATION			
Dimensions	Ø 2.78 m	Total No. of Jets	10
Positions	7	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included

Description	Code	Discount group	Unit £
Antigua		V	19,541.34

2.8 Cascade



SPECIFICATION			
Dimensions	Ø 2.81 m	Total No. of Jets	10
Positions	6	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included

Description	Code	Discount group	Unit £
Cascade		V	20,829.90

TILED SPAS - DECK LEVEL SPAS - COMMERCIAL

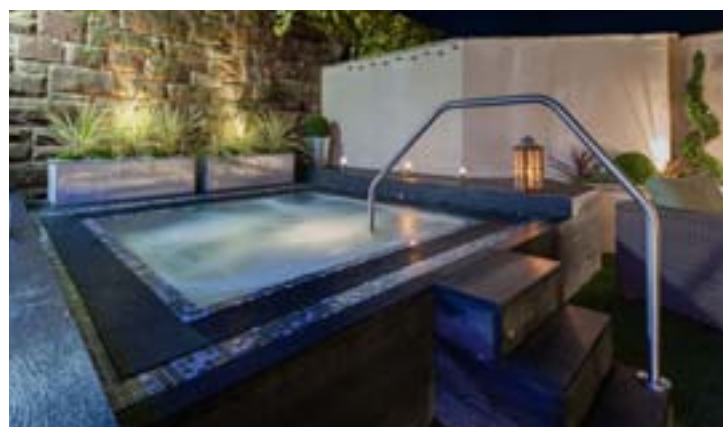
3.0 Martinique



SPECIFICATION			
Dimensions	Ø 3.05 m	Total No. of Jets	10
Positions	6	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included

Description	Code	Discount group	Unit £
Martinique		V	19,541.34

3.0 Square



SPECIFICATION			
Dimensions	3 x 3 m	Total No. of Jets	10
Positions	8	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included

Description	Code	Discount group	Unit £
Square		V	19,541.34

3.2 Infinity



SPECIFICATION			
Dimensions	3.2 m	Total No. of Jets	14
Positions	3 Seated, 2 Loungers	Air Nozzles	36
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included

Description	Code	Discount group	Unit £
Infinity		V	29,161.86

TILED SPAS - DECK LEVEL SPAS - COMMERCIAL

3.5 Bequia



SPECIFICATION			
Dimensions	3.5 x 2.5 m	Total No. of Jets	18
Positions	7	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	4
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included

Description	Code	Discount group	Unit £
Bequia		V	22,020.18

3.5 Haiti



SPECIFICATION			
Dimensions	3.5 x 2.78 m	Total No. of Jets	11
Positions	9	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	2
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included

Description	Code	Discount group	Unit £
Haiti		V	22,020.18

4.0 Aruba



SPECIFICATION			
Dimensions	4.0 m	Total No. of Jets	18
Positions	9/10	Air Nozzles	10
Material	GRP / Tiled	Push Buttons	2
Cover	Included	Air Venturi	4
Light(s)	Included	Returns	Included
S.S. Face Plates	Included	Suctions	Included

Description	Code	Discount group	Unit £
Aruba		V	22,615.32

TILED SPAS - HIDRO SPAS - COMMERCIAL

3.5 Bishopgate



SPECIFICATION			
Dimensions	4.3 x 3.0 m	Air Nozzles	16
Positions	8 Seated, 1 Standing	Push Buttons	2
Material	GRP / Tiled	Air Venturi	4
Cover	Optional	Returns	Included
Light(s)	Included	Suctions	Included
S.S. Face Plates	Included	Volcano Pad	Included
Water Canon	1	Breakwater grating	Included
Total No. of Jets	24		

Description	Code	Discount group	Unit £
Bishopgate		V	32,732.70

4.3 Hydrospa



SPECIFICATION			
Dimensions	4.3 x 3.0 m	Air Nozzles	32
Positions	4 Seated, 2 Loungers, 3 Standing	Push Buttons	7
Material	GRP / Tiled	Air Venturi	4
Cover	Optional	Returns	Included
Light(s)	Included	Suctions	Included
S.S. Face Plates	Included	Volcano Pad	Included
Water canon	2	Breakwater grating	Included
Total No. of Jets	12		

Description	Code	Discount group	Unit £
Hydrospa		V	38,088.96

5.3 Hydrospa



SPECIFICATION			
Dimensions	5.3 x 3.0 m	Air Nozzles	32
Positions	4 Seated, 2 Loungers, 3 Standing	Push Buttons	7
Material	GRP / Tiled	Air Venturi	4
Cover	Optional	Returns	Included
Light(s)	Included	Suctions	Included
S.S. Face Plates	Included	Volcano Pad	Included
Water canon	2	Breakwater grating	Included
Total No. of Jets	12		

Description	Code	Discount group	Unit £
Hydrospa		V	49,991.76

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TILED SPAS - HIDRO SPAS - COMMERCIAL

5.5 Hydrosipa



SPECIFICATION			
Dimensions	5.5 x 4.3 m	Air Nozzles	64
Positions	6 Seated, 4 Loungers, 3 Standing	Push Buttons	9
Material	GRP / Tiled	Air Venturi	6
Cover	Optional	Returns	Included
Light(s)	Included	Suctions	Included
S.S. Face Plates	Included	Volcano Pad	Included
Water Canon	2	Breakwater grating	Included
Total No. of Jets	18		

Description	Code	Discount group	Unit £
Hydrosipa		V	61,894.56

TILED SPAS - SWIMSPAS - DOMESTIC

4.3 Swimspa



SPECIFICATION			
Dimensions	4.32 x 2.39 m	Swimjets	2
Positions	4 Seated, 1 Swimming	Skimmer	1
Material	GRP / Tiled	Air Nozzles	8
Cover	Optional	Push Buttons	4
Light(s)	Included	Air Venturi	5
S.S. Face Plates	Included	Returns	Included
Total No. of Jets	10	Suctions	Included

Description	Code	Discount group	Unit £
Swimspa		V	23,210.46

4.8 Swimspa



SPECIFICATION			
Dimensions	4.82 x 2.39 m	Swimjets	2
Positions	4 Seated, 1 Swimming	Skimmer	1
Material	GRP / Tiled	Air Nozzles	8
Cover	Optional	Push Buttons	4
Light(s)	Included	Air Venturi	5
S.S. Face Plates	Included	Returns	Included
Total No. of Jets	10	Suctions	Included

Description	Code	Discount group	Unit £
Swimspa		V	24,400.74

4.8 Swimspa Step End



SPECIFICATION			
Dimensions	4.81 x 2.39 m	Swimjets	2
Positions	1 Swimming	Skimmer	1
Material	GRP / Tiled	Air Nozzles	-
Cover	Optional	Push Buttons	-
Light(s)	Included	Air Venturi	3
S.S. Face Plates	Included	Returns	-
Total No. of Jets	-	Suctions	Included

Description	Code	Discount group	Unit £
Swimspa Step End		V	21,425.04

TILED SPAS - SWIMSPAS - DOMESTIC

5.0 Rectangle



SPECIFICATION			
Dimensions	5.0 x 2.10 m	Swimjets	2
Positions	4 Seated, 1 Swimming	Skimmer	1
Material	GRP / Tiled	Air Nozzles	8
Cover	Optional	Push Buttons	3
Light(s)	Included	Air Venturi	5
S.S. Face Plates	Included	Returns	Included
Total No. of Jets	10	Suctions	Included

Description	Code	Discount group	Unit £
Rectangle		V	24,400.74

5.5 Swimspa



SPECIFICATION			
Dimensions	5.52 x 2.39 m	Swimjets	2
Positions	4 Seated, 1 Swimming	Skimmer	1
Material	GRP / Tiled	Air Nozzles	8
Cover	Optional	Push Buttons	4
Light(s)	Included	Air Venturi	5
S.S. Face Plates	Included	Returns	Included
Total No. of Jets	10	Suctions	Included

Description	Code	Discount group	Unit £
Swimspa		V	24,995.88

6.0 Swimspa



SPECIFICATION			
Dimensions	6.02 x 2.39 m	Swimjets	2
Positions	4 Seated, 1 Swimming	Skimmer	1
Material	GRP / Tiled	Air Nozzles	8
Cover	Optional	Push Buttons	4
Light(s)	Included	Air Venturi	5
S.S. Face Plates	Included	Returns	Included
Total No. of Jets	10	Suctions	Included

Description	Code	Discount group	Unit £
Swimspa		V	27,971.58

TILED SPAS - SWIMSPAS - DOMESTIC

6.0 Rectangle



SPECIFICATION			
Dimensions	6.0 x 2.36 m	Swimjets	2
Positions	3 Seated, 1 Lounger, 1 Swimming	Skimmer	1
Material	GRP / Tiled	Air Nozzles	20
Cover	Optional	Push Buttons	4
Light(s)	Included	Air Venturi	2
S.S. Face Plates	Included	Returns	Included
Total No. of Jets	10	Suctions	Included

Description	Code	Discount group	Unit £
Rectangle		V	26,186.16

7.0 Swimspa



SPECIFICATION			
Dimensions	7.0 x 3.0 m	Swimjets	2
Positions	4 Seated, 1 Swimming	Skimmer	1
Material	GRP / Tiled	Air Nozzles	10
Cover	Optional	Push Buttons	4
Light(s)	Included	Air Venturi	5
S.S. Face Plates	Included	Returns	Included
Total No. of Jets	10	Suctions	Included

Description	Code	Discount group	Unit £
Swimspa		V	35,014.98

TILED SPAS - BESPOKE

Bespoke

AstralPool can cater for anyone's requirements when it comes to customising your own unique tiled spa. From conception to completion, your spa is made fully bespoke. As a result, our spas are highly renowned for their quality - a blank canvas for any interior designer or architect.

Please do not hesitate to contact our sales team to discuss our spas in detail.

We will be able to assist you with any queries.



COMPACT KITS FOR SPAS

Digital Compact Kit - Code 41993



Not true to image

TECHNICAL FEATURES

Spa Model	Thalassa, Baltic 40, Inca and Ronda 30
Filter dimensions	Ø 500 cm
Filtration pump	0.60 kW
Massage pump	2.2 kW
Blower included with control panel	0.90 kW
Electric heater	3 kW
Sand	Yes
Switches / Control	Control panel including feature switches air buttons for massage pump and air blower or Piezo switches
Voltage	Single or 3 phase, please specify

Description	Code	Discount group	Unit £
Digital Compact Kit with Air Buttons, please specify phase	41993AIR	W	5,299.00
Digital Compact Kit + Piezo, please specify phase	41993PIEZO	W	5,992.00

COMPACT KITS FOR SPAS

Compact Kit 50 - Code 04015



Not true to image

TECHNICAL FEATURES	
Spa Model	Casiopea, Odisea 20 and Venecia
Filter dimensions	Ø 600 cm
Filtration pump	0,60 kW
Massage pump	1.46 kW
Blower included with control panel	1,30 kW
Electric heater	6 kW
Sand	Yes
Switches / Control	Control panel including feature switches air buttons for massage pump and air blower or piezo switches
Voltage	Single or 3 phase, please specify

Description	Code	Discount group	Unit £
Compact Kit 50 with Air Buttons, please specify phase	04015AIR	W	5,757.00
Compact Kit 50 Piezo, please specify phase	04015PIEZO	W	6,450.00

Compact Kit 75 - Code 05135



Not true to image

TECHNICAL FEATURES	
Spa Model	Casiopea, Odisea 20 and Venecia
Filter dimensions	Ø 600 cm
Filtration pump	0.60 kW
Massage pump	1.46 kW
Blower included with control panel	1.30 kW
Electric heater	6 kW
Sand	Yes
Switches / Control	Control panel including feature switches air buttons for massage pump and air blower or piezo switches
Voltage	Single or 3 phase, please specify

Description	Code	Discount group	Unit £
Compact Kit 75 with Air Buttons, please specify phase	05135AIR	W	6,466.00
Compact Kit 75 piezo, please specify phase	05135PIEZO	W	7,159.00

COMPACT KITS FOR SPAS

Compact Kit 75 2M - Code 16412



Not true to image

TECHNICAL FEATURES	
Spa Model	Formentera, Coliseum, Olympia and Mirage 40
Filter dimensions	Ø 650 cm
Filtration pump	0.78 kW
Massage pump	1.46 KW
Blower included with control panel	1.30 kW
Electric heater	6 kW
Sand / Gravel	Yes
Switches / Control	Control panel including feature switches air buttons for massage pump and air blower or piezo switches
Voltage	Single or 3 phase, please specify

Description	Code	Discount group	Unit £
Compact Kit 75 2M with Air Buttons, please specify phase	16412AIR	W	7,662.00
Compact Kit 75 2M piezo, please specify phase	16412PIEZO	W	8,355.00

Compact Kit 75 3M - Code 43639



Not true to image

TECHNICAL FEATURES	
Spa Model	Wellmax and Tolyo 70
Filter dimensions	Ø 650 cm
Filtration pump	0.78 kW x 2 (includes one on standby)
Massage pump	2 x 2.2 kW
Blower included with control panel	1.30 kW
Electric heater	6 kW
Sand / Gravel	Yes
Switches / Control	Control panel including feature switches air buttons for massage pump and air blower or Piezo switches
Voltage	Single or 3 phase, please specify

Description	Code	Discount group	Unit £
Compact Kit 75 3M with Air Buttons, please specify phase	43639AIR	W	7,979.00
Compact Kit 75 3M piezo, please specify phase	43639PIEZO	W	8,672.00

COMPLEMENTS FOR SPAS

Covers para spas



Canvas cover for the Wellmax spa



Portable spa cover

- Spa THALASSA Cover
- Spa BALTIC 40 / OCEAN 40 Cover
- Spa RONDA 30 Cover
- Spa INCA Cover
- Spa ODISEA 20 / INFINITY Cover
- Spa CASIOPEA Cover
- Spa FORMENTERA Cover
- Spa VENECIA Cover
- Spa COLISEUM Cover
- Spa OLYMPIA / LAKE Cover
- Spa MIRAGE Cover
- Spa WELLMAX Cover
- Spa TOKYO Cover

Discount group	Code	Unit £
W	17139	1,147.00
W	42345	980.00
W	51288	1,036.00
W	23193	951.00
W	45721	1,036.00
W	23195	1,015.00
W	28297	1,121.00
W	23198	1,036.00
W	28298	1,202.00
W	43817	1,887.00
W	41892	1,135.00
W	43729	2,602.00
W	54184	1,958.00

Cover Stand



Metal Stand for simple handling of the cover.

Discount group	Code	Unit £
W	28462	315.00

Spa access steps

- Synthetic wood staircase in Graphite
- Basic synthetic wood staircase in coastal grey
- Swimspa staircase
- Synthetic wood staircase in Thunder
- Synthetic wood staircase in Creek

Discount group	Code	Unit £
W	42002CLOK	413.00
W	60194	181.00
W	56918CL01	2,147.00
W	42002CL0R	402.00
W	42002CL0T	402.00



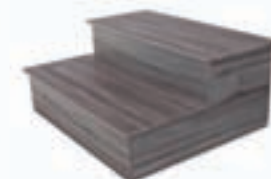
42002CLOK



60194



56918CL01



42002CL0R



42002CL0T

COMPLEMENTS FOR SPAS



Spa parasol in Cameo with LED

	Discount group	Code	Unit £
Spa parasol in Cameo with LED	W	60220	1,316.00



Portable spa handrail holder

	Discount group	Code	Unit £
Portable spa handrail holder	W	60226	756.00



Spa filter cartridge cleaner

	Discount group	Code	Unit £
Spa filter cartridge cleaner	W	60197	302.00



Polyester balance tank

Used for collecting water volume displaced in overflow channel of commercial spas.

	Discount group	Code	Unit £
1000 litres capacity (162x122x83 cm)	W	11372	828.00
2000 litres capacity (204x160x75 cm)	W	27865	1,172.00



PE balance tank

1000 litres capacity. Used for collecting water volume displaced in overflow channel of commercial spas.

	Discount group	Code	Unit £
158x92x95 cm	W	17144	1,232.00

Differents compensations vessels availability:

Code	Balance tank	Spa model
11372	1.000 litres capacity, polyester	Casiopea, Formentera, Venecia, Coliseum, Odisea 20, Mirage 40
17144	1.000 litres capacity, PE	
27865	2.000 litres capacity, polyester	Olympia, Wellmax, Casiopea, Formentera, Venecia, Coliseum, Odisea 20, Mirage 40

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ACCESSORIES



2½" adjustable jet

Regulates proportion of air/water outlet. 50 mm diameter water inlet and 32 mm diameter air inlet. Flow: 2.2 m³/hour. Pressure of 0.8 atm.

Discount group	Code	Unit £
W	32641	22.00



2" threaded jet

50 mm diameter water inlet and 32 mm diameter air inlet. Flow 2.2 m³/hour. Pressure of 0.8 atm.

Discount group	Code	Unit £
W	33586	17.00



2" jet thread for liner



Water inlet diameter of 50 mm and air inlet diameter of 32 mm. Flow rate of 4 m³/hour Atm pressure of 0.8.

Discount group	Code	Unit £
W	70532	52.00



2" drain for spas

With elbow for glueing to Ø 50 mm pipe.

Discount group	Code	Unit £
W	04042	14.00



Adjustable air inlet

1" for air regulation. Controls air to Venturi system.

Discount group	Code	Unit £
W	04045	8.00



Adjustable silent air inlet

Silent venturi for jet air flow control. Air intake is through embedded part. Attaches to air distributor code 33937.

Discount group	Code	Unit £
W	33938	29.00

ACCESSORIES



4 water outlet manifold

Manifold for gluing to 50 mm pipe, 4 outlets for clamping a hosepipe of 20 mm inner diameter.

Discount group	Code	Unit £
W	33934	7.00



8 water outlet manifold

Manifold for gluing to 50 mm pipe, 8 outlets for clamping a hosepipe 20 mm inner diameter.

Discount group	Code	Unit £
W	33935	9.00



5 outlet air distributor for venturi

5 outlet manifold for gluing to venturi with code 33938. Outlets for clamping a flexible hosepipe of 10 mm inner diameter.

Discount group	Code	Unit £
W	33937	9.00



6 outlet air distributor for venturi

6 outlet air distributor to attach to pipes with a 10 mm inside diameter and glue to 15 mm pipes. 6 water outlet manifold.

Discount group	Code	Unit £
W	33936	9.00



10 outlet air distributor

10 outlet air distributor to attach to pipes with a 10 mm inside diameter and glue to 50 mm pipes. 10 water outlet manifold.

Discount group	Code	Unit £
W	35346	9.00



Threaded blower nozzle

For air distribution into the SPA from of the blowers.

Discount group	Code	Unit £
W	27602	5.00
W	43440	9.00

White plastic front panel
Stainless steel front panel

ACCESSORIES

Blower nozzle for glueing



For air distribution into the SPA by means of the blowers.

White plastic front panel
Stainless steel front panel

Discount group	Code	Unit £
W	28460	5.00
W	43441	9.00

Blower nozzle 3/8"



For distribution into the SPA by means of the blowers.

White plastic front panel
Stainless steel front panel

Discount group	Code	Unit £
W	34318	6.00
W	43442	10.00

2" return unit



For return line and massage.

Discount group	Code	Unit £
W	04034	6.00

Adjustable air impulsion inlet



Adjustable air impulsion inlet. For air distribution by means of the blowers. Maximum flow rate 18 m³/h.

Discount group	Code	Unit £
W	49818	21.00

Pneumatic pressbutton



To operate air blowers, jets and massage jets.

For maximum 15 m
For maximum 7 m single
For maximum 7 m single, thread

Discount group	Code	Unit £
W	04047	54.00
W	04048	26.00
W	09667	56.00

Plastic tube per metre

For pneumatic signal from pressbutton to switch. Inner Ø 3.5 mm.

Discount group	Code	Unit £
W	04054	0.50

ACCESSORIES



Rotating jet

Discount group	Code	Unit £
W	20297	33.00



Twin rotating jet

Discount group	Code	Unit £
W	20296	33.00



Rotating jet housing

Discount group	Code	Unit £
W	20299	26.00
W	63144	53.00

Body jet liner pool



Movable tube jet nozzle, in substitution of a fixed one

Compatible with code 20295 and 20299.

Discount group	Code	Unit £
W	20298	118.00



2¹/₂" wall conduit for rotating jet

Made up of: The jet body, 20 cm wall conduit, niche, threaded fitting, front body. Jet not included.

Discount group	Code	Unit £
W	20295	57.00

ACCESSORIES

Range of accesories which enables spa jets to built into the spa Pool.

Pool Jet 1, Tilting

Flow rate of 2.4 to 3.6 m³/h. Glands compatible with 2 ½".

	Discount group	Code	Unit £
Stainless finish*	W	63148	28.00
White finish	W	63149	22.00

Jet 1 Rotates

Flow rate of 2.4 to 3.6 m³/h. Glands compatible with 2 ½".

	Discount group	Code	Unit £
Stainless finish *	W	63150	34.00
White finish	W	63151	29.00

Jet 2 Rotates

Flow rate of 2.4 to 3.6 m³/h. Glands compatible with 2 ½".

	Discount group	Code	Unit £
Stainless finish *	W	63152	34.00
White finish	W	63153	29.00

Honeycomb Rotary Jet

Flow rate of 2.4 to 3.6 m³/h. Glands compatible with 2 ½".

	Discount group	Code	Unit £
Stainless finish *	W	63154	34.00
White finish	W	63155	29.00

2 ½" for Jet Pool

With elbow for gluing pipe Ø 50 mm.

	Discount group	Code	Unit £
	W	63146	69.00



ACCESSORIES



Air controller

3/4", controls air massage to Venturi system for jet function.

	Discount group	Code	Unit £
White plastic front panel	W	04110	27.00



Pneumatic switch

For the starting and stopping of massage and hydromassage functions.

	Discount group	Code	Unit £
White plastic front panel	W	04113	33.00



1 1/4" jet with adapter to water return

Jet with adaptor to return water to pipe. Also adaptor to connect to water return and air circulation pipe, solvent for inner Ø 32 mm. Directional.

	Discount group	Code	Unit £
White plastic front panel (inlet 04103)	W	04097	18.00



Jet 1 1/4"

With adaptor to connect to return water pipe and Venturi to glue to Ø 32 mm pipe. Directional.

	Discount group	Code	Unit £
White plastic front panel (inlet 04103)	W	04094	13.00



1 1/4" return inlet

	Discount group	Code	Unit £
White plastic	W	04103	7.00

ACCESSORIES FOR MINISPAS

Programmable digital thermostat



To operate ON/OFF contactor.

Discount group	Code	Unit £
W	11288	212.00

Electric press button



230 V 50 Hz.

Discount group	Code	Unit £
W	33387	339.00

Electropneumatic equipment



With two switches. Up to 1.47 kW (2 HP).

Discount group	Code	Unit £
W	04053	211.00

Pneumatic switch

For the starting and stopping of massage and hydromassage functions.



- Pneumatic switch
- Double pneumatic switch
- Pneumatic presostate

Discount group	Code	Unit £
W	04050	38.00
W	11290	59.00
W	11291	40.00

AIR BLOWERS



**Now includes
Air Filters**

Air blowers



Air pump designed for spas, baths, hydromassage installations and similar which produces a constant stream of air bubbles at medium and high air volume levels. It can also be used to stir up the filter bed, for example in back wash cycles where a low intensity air current is required. The filter casing and impeller are made from an injected aluminium alloy whilst the motor spindle is manufactured from stainless steel, with the impeller dynamically balanced and directly adapted to the spindle. The motors, single phase or 3 phase for continuous use, are made from steel in compliance with CEI 2/3 1988 regulations, and feature IP54 external protection and class-F insulation. The standard voltages are 100-120/200-240V for the monophase range and 200-240/380-440V for the triphase models, at 50/60Hz. The pumps can be mounted horizontally or vertically. Moreover, since there is no contact between the mobile parts and the pump static discharges, neither lubrication nor maintenance is necessary and is also doesn't cause wear on the parts. The turbines have a maximum working temperature of 40°C. Do not use in conjunction with aggressive, inflammable or explosive gases.

Please consult for technical variations.

Model	Phase	Flow (m³/h)	Max. Pressure (mbar)	Electrical supply (V)	Sound level (dB)	Code	Discount group	Unit £
Blower 0.85 kW	1	145	160	230	63	35388-2450	D	617.00
Blower 0.85 kW	3	145	160	Δ 220-240 Y 345-415	63	35387-2450	D	617.00
Blower 1.3 kW	1	210	160	230	64	31090-2450	D	732.00
Blower 1.3 kW	3	210	170	Δ 200-240 Y 345-415	64	31091-2450	D	732.00
Blower 1.5 kW	1	210	200	230	64	33971-2450	D	838.00
Blower 1.6 kW	3	210	190	Δ 200-240 Y 345-415	64	31092-2450	D	800.00
Blower 1.6 kW 2V	3	150	280	Δ 200-240 Y 345-415	66	35389-2450	D	957.00
Blower 2.2 kW	3	190	200	Δ 200-240 Y 345-415	69	31093-2450	D	990.00
Blower 3.4 kW 2V	3	230	410	Δ 200-240 Y 345-415	72	31094-2450	D	1,408.00
Blower 3.0 kW	3	318	290	Δ 200-240 Y 345-415	69	31095-2450	D	1,110.00
Blower 4.3 kW 2V	3	320	380	Δ 345-415 Y 600-720	73	31096-2450	D	1,828.00
Blower 5.5 kW	3	530	300	Δ 345-415 Y 600-720	70	31097-2450	D	2,417.00
Blower 5.5 kW 2V	3	320	500	Δ 345-415 Y 600-720	73	33972-2450	D	2,233.00
Blower 7.5 kW	3	530	430	Δ 345-415 Y 600-720	70	31098-2450	D	2,611.00
Blower 11 kW 2V	3	520	600	Δ 345-415 Y 600-720	74	33973-2450	D	4,224.00
Blower 12.5 kW	3	1050	270	Δ 345-415 Y 600-720	74	33974-2450	D	5,188.00

Airblowers with 2V after description = side entry.



Intermittent operation air blower, 900 W

0.90 kW flow 54 m³/h at 1.5 m water head

Discount group	Code	Unit £
W	19289	319.00

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POOL HEATING & DEHUMIDIFICATION

- 316 • Air-water heat pumps for outdoor installation
- 319 • Heatstar
- 327 • Tubular Heat exchangers
- 329 • Plate Heat exchangers
- 332 • Electric tubular air & water heaters

AIR-WATER HEAT PUMPS FOR OUTDOOR INSTALLATION

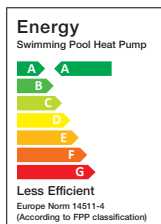


Pro Elyo Inverboost NN

Heat pump for swimming pool and outdoor installation with "A" energy rating, Inverter technology and Fluidra Connect Compatible, is specially designed to obtain the best performance in the most adverse conditions. In addition, it works at the optimum point to achieve greater **energy efficiency**. Quiet operation and can be **used throughout the year**.

Technical characteristics:

- **Energy classification "A"**, allows savings of up to 33%.
- **Inverter technology**, which automatically varies the power to make the heat pump work at the optimum point.
- **Fluidra Connect Compatible**, Modbus connection for connection to the Fluidra Connect platform.
- **Soft Start**, to avoid voltage peaks at the start of the compressor.
- **Minimum working outdoor air temperature -20°C**, prepared to work in cold climates.
- Defrost by cycle inversion, which allows faster defrosting.
- Heat and cold, thanks to the 4-way valve.
- Electronic expansion valve, to improve COP performance.
- Refrigerant fluid R410a, free of agents harmful to the ozone layer.
- ABS plastic housing, which prevents corrosion.
- Titanium exchanger, with twisted-tube to improve performance.
- Flow switch and presotates of high and low pressure.



Fluidra Connect compatible

AstralPool Toolbox app for IOS and Android

Accessories included: Winter cover, anti-vibration supports, drain connection, screen sealed box, cable 10m screen connection, hydraulic connection fittings and Modbus signal cable.

Discount group	Code	Unit £
P	68815	1,529.00
P	68816	1,916.00
P	68817	2,697.00
P	68818	3,399.00
P	68819	3,861.00
P	68820	5,550.00
P	68821	5,550.00
P	68822	6,022.00
P	68823	6,022.00

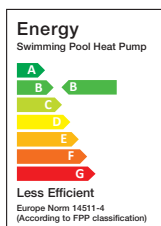
- Pro-Elyo Inverboost NN 7 kW - 220~240V
- Pro-Elyo Inverboost NN 10 kW - 220~240V
- Pro-Elyo Inverboost NN 13 kW - 220~240V
- Pro-Elyo Inverboost NN 17 kW - 220~240V
- Pro-Elyo Inverboost NN 20 kW - 220~240V
- Pro-Elyo Inverboost NN 26 kW - 220~240V
- Pro-Elyo Inverboost NN 26 kW - 380V
- Pro-Elyo Inverboost NN 35 kW - 220~240V
- Pro-Elyo Inverboost NN 35 kW - 380V

Web

Heat pump configurator:
www.astralpool.com ->
 Calculation tools

TECHNICAL SPECIFICATIONS

MODELS		7kW	10kW	13kW	17kW	20kW	26kW		35kW		
CODE		68815	68816	68817	68818	68819	68820	68821	68822	68823	
VOLTAGE	V	220~240V/50Hz or 60Hz/1PH						380V/50Hz or 60Hz/3PH	220~240V/50Hz or 60Hz/1PH	380V/50Hz or 60Hz/3PH	
Rated current	A	4,4	6,5	8,5	11,0	13,0	17,0	6,2	22,9	8,4	
Minimum fuse	A	7	10	13	16	20	26	9	34	13	
Recommended pool volume (with cover)	m ³	10-26	12-36	18-66	28-86	58-122	68-135	68-135	78-160	78-160	
Nominal	m ³ /h	2,5	3,0	4,0	5,0	6,0	8,0	8,0	10,0	10,0	
Pressure loss	Kpa	12	12	14	15	18	20	20	25	25	
NUMBER OF FANS		1					2				
SOUND LEVEL (1 m)	dB(A)	40-50	40-52	40-54	41-56	41-56	42-60	42-60	42-60	42-60	
AIR T.: 27°C WATER T.: 26°C	POWER	kW	7-3.1	10-2.3	13-3	17-3.8	20-4.6	26-6.8	26-6.8	35-8	35-8
	COP	kW	1.01-0.26	1.49-0.14	1.94-0.19	2.54-0.24	2.98-0.29	3.88-0.43	3.88-0.43	5.22-0.5	5.22-0.5
	COP		15-6.9	16-6.7	16-6.7	16-6.7	16-6.7	16-6.7	16-6.7	16-6.7	16-6.7
AIR T.: 15°C WATER T.: 26°C	POWER	kW	5.1-2.5	7.1-1.9	9.6-2	11.5-3	14-3	19-5.4	19-5.4	24-5.6	24-5.6
	COP	kW	1-0.38	1.4-0.25	1.84-0.26	2.2-0.36	2.7-0.36	3.6-0.66	3.6-0.66	4.8-0.68	4.8-0.68
	COP		7.9-5.1	8.0-5.1	8.0-5.2	8.2-5.2	8.2-5.1	8.2-5.2	8.2-5.2	8.2-5	8.2-5
NET WEIGHT	kg	54	68	78	98	108	120	120	130	130	
DIMENSIONS	mm	990*380*560		1050*440*709		1113*450*870		1050*460*1285			



Fluidra Connect compatible



AstralPool Toolbox app for IOS and Android

AIR-WATER HEAT PUMPS FOR OUTDOOR INSTALLATION

Elyo Smart NN



A heat pump with a “B” energy rating for outdoor pools. Its inverter technology has been specially designed to obtain good performance in temperate climates. In addition, it runs in power-saving mode to achieve better energy efficiency, makes less noise than other heat pumps and can be used to lengthen the bathing season.

Technical characteristics:

- “B” energy rating, which can make savings of up to 21%.
- **Inverter technology**, which automatically changes the power setting so that the heat pump runs at optimum efficiency levels.
- **Soft Start**, prevents current surges when the compressor starts up.
- Lowest outdoor air working temperature of -12 °C, designed to work in temperate climates.
- The reverse cycle defrosting system makes defrosting faster.
- Heating and cooling modes, thanks to the 4-way valve.
- Electronic expansion valve for enhanced COP performance.
- R-410a refrigerant gas, free of agents that damage the ozone layer.
- ABS plastic housing, which prevents corrosion.
- Titanium exchanger, with twisted tube for enhanced performance.
- High- and low-pressure flow meter and pressure switch.

Accessories included: Winter cover, anti-vibration brackets, drainage connection, screen watertight box, 10m screen connection cable, hydraulic connection fittings and Modbus signal.

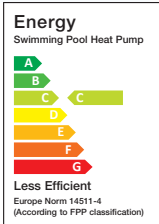
	Discount group	Code	Unit £
Elyo Smart NN 9 kW - 220~240V	P	68770	1,771.00
Elyo Smart NN 12 kW - 220~240V	P	68771	2,350.00
Elyo Smart NN 16 kW - 220~240V	P	68772	3,025.00
Elyo Smart NN 24 kW - 220~240V	P	68775	4,482.00

Web
Heat pump configurator:
www.astralpool.com ->
Calculation tools

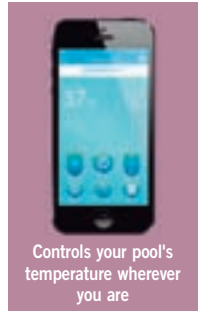
TECHNICAL SPECIFICATIONS						
MODELS		9kW	12kW	16kW	24kW	
CODE		68770	68771	68772	68775	
VOLTAGE	V	220~240V / 50Hz or 60Hz / 1PH				
RATED CURRENT	A	6,9	8,5	11,7	18,9	
MINIMUM FUSE	A	10	13	16	26	
RECOMMENDED POOL VOLUME (WITH COVER)	m³	12-33	15-60	25-85	65-130	
NOMINAL	m³/h	2,8	3,7	4,6	8,0	
PRESSURE LOSS	Kpa	12	14	15	20	
NUMBER OF FANS		1			2	
SOUND LEVEL (1 m)	dB(A)	40-52	40-52	41-54	42-60	
AIR T.: 27°C WATER T.: 26°C	POWER	kW	9.2-2.3	12.5-2.9	16-3.8	24-5.9
	COP	kW	1.59-0.18	2.02-0.22	2.66-0.3	4.28-0.47
	COP		13-5.8	13-6.2	12.6-6	12.5-5.6
AIR T.: 15°C WATER T.: 26°C	POWER	kW	6.8-1.9	9.2-2.2	11.5-3	18.9-4.7
	COP	kW	1.51-0.27	2-0.31	2.55-0.39	4.2-0.61
	COP		7.1-4.5	7.1-4.6	7-4.5	7-4.5
NET WEIGHT	kg	54	68	78	117	
DIMENSIONS	mm	1008*380*577	1050*440*709		1050*452*1295	

AIR-WATER HEAT PUMPS FOR OUTDOOR INSTALLATION

EVOLine NN



APP EvoLine for iOS and Android



Controls your pool's temperature wherever you are



Fluidra Connect compatible



AstralPool Toolbox app for iOS and Android

Web

Heat pump configurator:
www.astralpool.com ->
Calculation tools

Air/water heat pump to heat your pool in the cheapest possible way. Private pools up to 80 m³. This technology makes it possible to extend the swimming season to enjoy your pool more months of the year. Its ability to extract air energy means it can obtain up to 5 times the energy it consumes, delivering low consumption and making it more environmentally friendly.

- The heat pump with the best quality/price ratio in the market.
- EVOLine is especially designed for the climates where it will be used, ensuring great energy savings for low temperatures.
- The greater the EOM, the bigger the energy saving and the lower the energy costs. EVOLine pumps have oversized parts such as: Evaporator and Titanium A1 two coil exchanger.
- Electrical resistance on bottom tray to prevent ice from forming on the base of the unit
- **Free downloadable app for controlling the heat pump from Wi-Fi and 3G/4G networks.**
- Reverse cycle defrosting.
- R410A refrigerant.
- Minimum air working temperature 0°C.
- Heat and cold regulation to keep temperature steady.
- ABS housing.
- Digital control, leak-tight control box.
- High and low pressure switch.
- Winter cover included.

Discount group	Code	Unit £
P	66069-MOB	1,173.00
P	66070-MOB	1,627.00
P	66071-MOB	1,813.00
P	66072-MOB	2,090.00
P	67405-MOB	2,248.00
P	66073-MOB	2,793.00
P	66074-MOB	3,198.00
P	66074M-MOB	3,426.00
P	66075-MOB	5,524.00

- EVOLine 6
- EVOLine 10
- EVOLine 13
- EVOLine 15
- EVOLine 17
- EVOLine 20
- EVOLine 25
- EVOLine 25M
- EVOLine 35

TECHNICAL FEATURES											
MODELS		EVOLINE 6	EVOLINE 10	EVOLINE 13	EVOLINE 15	EVOLINE 17	EVOLINE 20	EVOLINE 25M	EVOLINE 25	EVOLINE 35	
CODES		66069-MOB	66070-MOB	66071-MOB	66072-MOB	67405-MOB	66073-MOB	66074M-MOB	66074-MOB	66075-MOB	
INPUT	kW	1	1.1	1.8	2.1	2.5	3.5	3.7	4.2	6	
NOM. ABSORBED INTENSITY	A	4.5	7.3	8.2	9.5	11.4	15.9	16.8	7.1	10.1	
VOLTAGE	V/Ph/Hz	220-240V / 1 Ph / 50 Hz							380V / 3 Ph / 50 Hz		
CONTROL		LED/LCD									
NUMBER OF FANS		1								2	
SOUND LEVEL	dB(A)	≤50	≤53	≤54	≤54	≤56	≤56	≤56	≤56	≤57	
WATER CONNECTION	Inch	1 ½									
MIN. WATER FLOW RATE	m ³ /h	1.3	2.2	2.7	3.6	3.6	4.9	6	6	13	
MAX. POOL VOLUME	m ³	12	19	24	30	35	45	66	56	80	
MIN. POOL VOLUME	m ³	5	15	17	19	20	27	35	35	52	
AIR T.: 24° C WATER T.: 26 °C	POWER	kW	4.8	8.2	9.4	11.6	12.9	17.2	23.5	22.5	33.1
	COP		5	5.1	5.3	5.4	5.1	5.1	6.2	5.4	5.5
AIR T.: 15° C WATER T.: 26 °C	POWER	kW	3.6	6.2	7.1	8.7	9.7	12.9	17.9	16.9	24.8
	COP		3.8	3.8	4	4.1	3.8	3.8	4.8	4.1	4.1
AIR T.: 5° C WATER T.: 26 °C	POWER	kW	2.5	4.2	4.6	5.6	6.6	9.1	9.7	10.8	15.6
	COP		2.7	2.7	2.8	2.9	2.7	2.6	3.6	2.9	2.9
	DIMENSIONS	A (mm)	778	938	1015	1015	1080	1080	1078	1078	1078
		B (mm)	293	360	370	370	416	416	416	416	416
		C (mm)	511	581	621	621	708	708	958	958	1258
NET WEIGHT	kg	33	48	55	60	68	91	99	99	120	
GROSS WEIGHT	kg	38	56	62	67	80	104	114	114	136	

Heatstar is a specialist British manufacturer of heat recovery and humidity control systems, including heat pumps, designed exclusively for swimming pool applications.

Key features of a Heatstar:

- Manufactured only in the UK
- Genuine nationwide 'on-site' service support by Heatstar's own expert technicians
- Each unit is totally bespoke and built to the precise requirements of the application
- All components specially selected for use within swimming pool environments
- UK building regulations compliant
- Ecodesign directive compliant



ADVANCED SWIMMING POOL CLIMATE CONTROL SYSTEMS

01983 521465 | info@heatstar.com | www.heatstar.com

Heatstar
Energy Technology Systems

Central Ventilation Total Environmental Control Systems



Andromeda EC

1000 - 12000

Complete Environmental Control System

Centred upon a dehumidifying heat pump and utilising the latest 'Blue-EC' ultra efficient intelligent digital inverter fan technology, the Andromeda EC offers an assured solution for both effective and efficient environmental control for residential indoor swimming pools.

Type		1000		2000		3000		4000		6000		8000		12000	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Air recirculation fan duty	M ³ /Hr.	1500	3500	1800	3500	2000	3500	2500	7000	3500	7000	5000	14000	7000	14000
Expelled / fresh air fan duty	M ³ /Hr.	150	350	180	350	200	350	250	700	350	700	500	1400	700	1400
Dehumidifying heat pump	L/Hr.	4.5		6.3		7.6		9.3		15.3		18.6		30.6	
Room air heating potential															
Dehum heat pump recycled heat	kW	6.6		9.2		11.1		13.6		22.4		27.2		44.8	
LTHW coil	kW	9.8	22.9	11.8	22.9	13.1	22.9	16.3	45.7	22.9	45.7	32.7	91.4	45.7	91.4
Pool water heating potential															
Dehum heat pump recycled heat	kW	6.6		9.2		11.1		13.6		22.4		27.2		44.8	
LTHW coil	kW	13.2	46.2	13.2	46.2	13.2	46.2	26.4	68.6	26.4	68.6	68.6	137.9	68.6	137.9



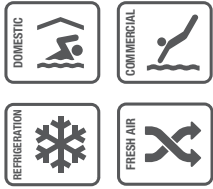
XF EC

1000 - 12000

High Efficiency Heat Recovery Ventilation System

Centred upon a high efficiency 'Cross Flow' plate air-to-air heat recuperator, the XF utilises fresh air introduction to provide natural dehumidification and utilises the recuperator to maximise heat extraction from the expelled room air. The XF utilises the latest 'Blue-EC' ultra efficient intelligent digital inverter fan technology and is fully compliant with the latest building control regulations for both residential and non-residential applications.

Type		1000		2000		3000		4000		6000		8000		12000	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Air recirculation fan duty	M ³ /Hr.	1500	3500	1800	3500	2000	3500	2500	7000	3500	7000	5000	14000	7000	14000
Expelled / fresh air fan duty	M ³ /Hr.	900	3000	900	3000	900	3000	1400	5000	1400	5000	2800	10000	2800	10000
Dehumidification															
Fresh air induction: Summer	L/Hr.	5.6	18.6	5.6	18.6	5.6	18.6	8.7	30.9	8.7	30.9	17.3	61.9	17.3	61.9
Fresh air induction: Winter	L/Hr.	9.2	30.7	9.2	30.7	9.2	30.7	14.3	51.2	14.3	51.2	28.7	102.5	28.7	102.5
Room air heating potential															
LTHW coil	kW	9.8	22.9	11.8	22.9	13.1	22.9	16.3	45.7	22.9	45.7	32.7	91.4	45.7	91.4
Pool water heating potential															
LTHW coil	kW	13.2	46.2	13.2	46.2	13.2	46.2	26.4	68.6	26.4	68.6	68.6	137.9	68.6	137.9



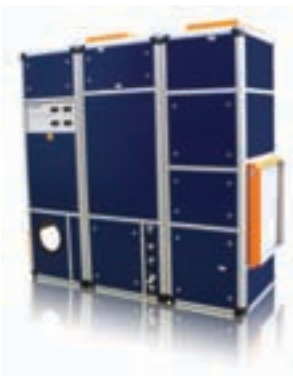
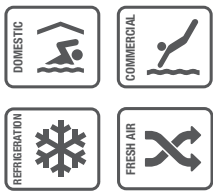
Phoenix EC

1000 - 12000

Hybrid Heat Recovery Ventilation System

Encompassing all the available energy saving technologies and fully compliant with the latest building control regulations for both residential and non-residential applications, the Phoenix EC represents the optimum and uncompromised environmental control solution for the highest specification indoor swimming pools.

	Type	1000		2000		3000		4000		6000		8000		12000	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Air recirculation fan duty	M ³ /Hr.	1500	3500	1800	3500	2000	3500	2500	7000	3500	7000	5000	14000	7000	14000
Expelled / fresh air fan duty	M ³ /Hr.	900	3000	900	3000	900	3000	1400	5000	1400	5000	2800	10000	2800	10000
Dehumidifying heat pump	L/Hr.	4.5		6.3		7.6		9.3		15.3		18.6		30.6	
Room air heating potential															
Dehum heat pump recycled heat	kW	6.6		9.2		11.1		13.6		22.4		27.2		44.8	
LTHW coil	kW	9.8	22.9	11.8	22.9	13.1	22.9	16.3	45.7	22.9	45.7	32.7	91.4	45.7	91.4
Pool water heating potential															
Dehum heat pump recycled heat	kW	6.6		9.2		11.1		13.6		22.4		27.2		44.8	
LTHW coil	kW	13.2	46.2	13.2	46.2	13.2	46.2	26.4	68.6	26.4	68.6	68.6	137.9	68.6	137.9



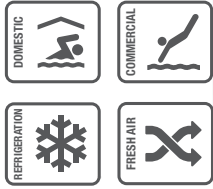
Phoenix MP

1000 - 12000

'Multi-Pass' Hybrid Heat Recovery Ventilation System

Encompassing all the energy saving technologies of the Phoenix EC, the Phoenix MP has increased potential for heat recovery from any room air exhausted to outside by utilising a twin recuperator arrangement. The Phoenix MP is ideal for all newly designed indoor swimming pools where a higher level of demand is anticipated.

	Type	1000		2000		3000		4000		6000		8000		12000	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Air recirculation fan duty	M ³ /Hr.	1500	3500	1800	3500	2000	3500	2500	7000	3500	7000	5000	14000	7000	14000
Expelled / fresh air fan duty	M ³ /Hr.	900	3000	900	3000	900	3000	1400	5000	1400	5000	2800	10000	2800	10000
Dehumidifying heat pump	L/Hr.	4.5		6.3		7.6		9.3		15.3		18.6		30.6	
Room air heating potential															
Dehum heat pump recycled heat	kW	6.6		9.2		11.1		13.6		22.4		27.2		44.8	
LTHW coil	kW	9.8	22.9	11.8	22.9	13.1	22.9	16.3	45.7	22.9	45.7	32.7	91.4	45.7	91.4
Pool water heating potential															
Dehum heat pump recycled heat	kW	6.6		9.2		11.1		13.6		22.4		27.2		44.8	
LTHW coil	kW	13.2	46.2	13.2	46.2	13.2	46.2	26.4	68.6	26.4	68.6	68.6	137.9	68.6	137.9



Hydrus AC

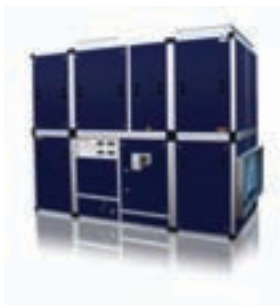
1000 - 12000

Specialist Environmental Control System For Moving Floor Pools

The Hydrus is especially conceived to meet the markedly opposing environmental control demands of a multi-use pool room when in different modes of use.

The Hydrus has the capability to tackle the strenuous demands of a high temperature and moisture laden swimming pool room environment, whilst maintaining excellent energy efficiency, and also features in-built facilities necessary to accommodate an entirely different environment requirement for the room, suitable for functions, parties and many other uses.

	Type	1000		2000		3000		4000		6000		8000		12000	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Air recirculation fan duty	M ³ /Hr.	1500	3500	1800	3500	2000	3500	2500	7000	3500	7000	5000	14000	7000	14000
Expelled / fresh air fan duty	M ³ /Hr.	900	3000	900	3000	900	3000	1400	5000	1400	5000	2800	10000	2800	10000
Dehumidifying heat pump	L/Hr.	4.5		6.3		7.6		9.3		15.3		18.6		30.6	
Room air heating potential															
Dehum heat pump recycled heat	kW	6.6		9.2		11.1		13.6		22.4		27.2		44.8	
LTHW coil	kW	9.8	22.9	11.8	22.9	13.1	22.9	16.3	45.7	22.9	45.7	32.7	91.4	45.7	91.4
Pool water heating potential															
Dehum heat pump recycled heat	kW	6.6		9.2		11.1		13.6		22.4		27.2		44.8	
LTHW coil	kW	13.2	46.2	13.2	46.2	13.2	46.2	26.4	68.6	26.4	68.6	68.6	137.9	68.6	137.9
Sensible room air cooling potential	kW	3.8		5.4		6.6		8.3		13.2		16.6		26.4	



Taurus EC

1000 - 12000

Optimum Efficiency Environmental Control System For Water Leisure Centres and Municipal Swimming Pools

A dedicated range of very high capacity systems to provide efficient and effective environmental control for large water leisure centres or municipal swimming pools. Offering all the available energy saving technologies and fully compliant with the latest building control regulations for non-residential applications, the Taurus systems can be tailored by the specifier to incorporate preferred technologies and features.

	Type	60		120		180		240		360		480	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
Air recirculation fan duty	M ³ /Sec.	0.97	2.50	1.94	6.11	3.19	9.17	3.89	12.22	3.89	12.22	5.56	12.22
Expelled / fresh air fan duty	M ³ /Sec.	0.39	1.39	0.78	3.89	1.17	5.00	1.56	5.83	2.33	7.50	3.11	10.00
Dehumidifying heat pump	Kg/Hr.	15.3		30.6		45.9		61.2		91.8		122.4	
Room air heating potential													
Dehum heat pump recycled heat	kW	22.4		44.8		67.2		89.6		134.4		179.2	
LTHW coil	kW	22.8	58.8	45.6	143.6	75.0	215.6	91.4	287.3	91.4	287.3	130.7	287.3
Pool water heating potential													
Dehum heat pump recycled heat	kW	22.4		44.8		67.2		89.6		134.4		179.2	
LTHW coil	kW	26.4	68.6	68.6	92.4	68.6	92.4	92.4	137.9	92.4	184.7	92.4	275.8

Pool room / 'through wall' Dehumidifiers



Orion

100 - 200

Ducted Dehumidifier with Air and Pool Heating

Centred upon a dehumidifying heat pump, the Orion is designed to be located in an area adjoining the pool room and is supplied with a special 'flexi-duct' kit with grilles to enable the room air to be drawn into the unit and for the dry / heated conditioned air to be returned. The Orion is a convenient and effective dehumidification and heating solution for smaller residential indoor swimming pools or swim spas.

	Type	100	200
Air recirculation fan duty	M ³ /Hr.	1500	1800
Expelled / fresh air duty *	M ³ /Hr.	150	180
Dehumidification			
Dehumidifying heat pump	L/Day	81.6	108.0
Fresh air induction: Summer	L/Day	22.3	26.7
Fresh air induction: Winter	L/Day	36.9	44.3
Room air heating potential			
Dehum heat pump recycled heat	kW	5.0	6.6
LTHW coil	kW	9.8	11.8
Pool water heating potential			
LTHW coil	kW	13.2	13.2



Pegasus

50 - 200

Premium Quality 'Designer' Dehumidifier

Purpose-made premium quality dehumidifier, featuring stunning 'Art Deco' designer styling. Can be located within the pool or spa room itself, or in an adjoining room if the 'through wall' format is selected. Air heating and integral digital control panel options available. A cost effective dehumidification solution for smaller residential indoor swimming pools, swim spas or spas.

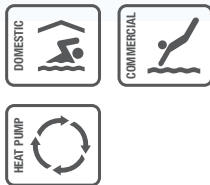
	Type	50	100	200
Air recirculation fan duty	M ³ /Hr.	690	1180	1300
Dehumidification				
Dehumidifying heat pump	L/Day	40.8	81.6	108.0
Room air heating potential				
Dehum heat pump recycled heat	kW	2.5	5.0	6.6
LTHW coil option	kW	2.7	4.0	6.7
Electric coil option	kW	2.0	4.0	6.0

Pool Water Heating Solution

Aquarius

1 - 16

Direct-Contact Aerothermal Swimming Pool Heat Pump



A self contained dependable renewable energy pool water heating system. The Aquarius is an aerothermal heat pump of exceptional quality and specification and utilises 'direct contact' technology to transfer heat from the refrigerant directly into the pool water. The Aquarius is clean, easy to install and simple to operate and maintain. The Aquarius units are available for either summer or all year use and in both single or three phase electricity. The range also extends to encompass large capacity models for non-residential pool applications.

- Genuine UK manufacture
- 'Direct Contact' pool water heating technology
- 20 Year Pool Water Heat Exchanger anti-corrosion guarantee
- 20 Year anodised Aluminium chassis Guarantee
- Robust hot-dipped galvanised steel casing with tough plastic-coating
- Ultra quiet 'low energy' digital air fan – can be 'ducted' if unit is inside
- 'Gold' Epoxy coated air coil matrix to protect against air corrosion
- Highest Possible Performance Efficiency
- Large commercial capacities and 3 phase electricity versions also available
- Fully compliant Energy Related Product 'Eco-Design' Directive (ERP)
- Genuine nationwide 'on-site' service support by Heatstar's own expert technicians

Also available in COMPACT model

Type	1	2	3	4	6	8	16
Air fan duty	M ³ /Hr.	2875	2875	3250	3250	6500	13000
Max. external resistance	Pa	6	6	8	8	8	8
Fan type	Electronically commutated, brushless DC motor, sickle blades with owl wing edge profiling						
Unit power capacity							
Heat pump input	kW	1.9	2.4	3.2	4.0	6.5	16.1
'Super boost' option input	kW	6.0	6.0	9.0	9.0	-	-
Electrical requirements							
Single phase 230v / 50 Hz versions							
Compressor nominal running	Amps	7.8	10.0	13.5	17.0	27.0	67.8
Compressor RLA	Amps	11.4	14.5	17.3	23.1	34.6	92.4
Compressor LRA	Amps	47.0	61.0	76.0	100.0	89.5	151.0
Max. supply fusing (type C)	Amps	16	16	20	25	40	-
Min. supply capacity	Amps	20	25	30	40	45	-
With 'Super boost' option							
Max. supply fusing (type C)	Amps	40	40	63	63	-	-
Min. supply capacity	Amps	40	40	63	63	-	-
Three phase 400v / 50 Hz versions							
Compressor nominal running	Amps	2.6	3.3	4.5	5.7	9.0	22.6
Compressor RLA	Amps	4.2	5.1	6.3	7.0	12.6	28.0
Compressor LRA	Amps	24.0	32.0	40.0	46.0	45.0	64.0
Max. supply fusing (type C)	Amps	6	6	10	10	16	32
Min. supply capacity	Amps	8	9	11	13	16	30
With 'Super boost' option							
Max. supply fusing (type C)	Amps	16	16	20	25	-	-
Min. supply capacity	Amps	13	14	20	20	-	-

Rated conditions

Pool water: 26°C Ambient: 20°C/70% R.H.

Due to continuous development the right to alter specifications without notice is reserved. E&OE.

Heatstar product comparison

	ANDROMEDA EC	PHOENIX EC	XF EC	GEMINI EC	HYDRUS EC	TAURUS EC	ORION	PEGASUS
Format								
Central-ventilation with room air recirculation	✓	✓	✓	✓	✓	✓	✓	✓
UK Building regulations								
Building regulations compliant : residential pools	✓	✓	✓	✓	✓	✓	✓	✓
Building regulations compliant : non-residential pools	–	✓	✓	✓	–	✓	–	–
Primary systems								
Integral aérothermal fresh air source heat pump	–	–	–	✓	–	✓	–	–
Dual function dehumidifying & expelled room air heat pump	–	✓	–	–	–	✓	–	–
Dehumidifying heat pump	✓	–	–	–	–	✓	✓	✓
High efficiency plate 'Cross Flow' air-to-air heat recuperator	–	✓	✓	–	–	✓	–	–
'Close-control' precision fresh air ventilation management	–	✓	✓	–	✓	✓	–	–
Room air dehumidification method								
Dehumidification via full rate fresh air induction	–	✓	✓	–	✓	✓	–	–
Dehumidification via heat pump	✓	✓	–	✓	–	✓	✓	✓
Active heat recycling back to room air via dehumidifier	✓	✓	–	✓	–	✓	✓	✓
Active heat recycling to pool water via dehumidifier	✓	✓	–	✓	–	✓	–	–
Fan technology								
'Blue EC' ultra efficient digital inverter fan system	✓	✓	✓	✓	✓	✓	–	–
'Auto-fan' intelligent air recirculation fan management	✓	✓	✓	✓	✓	✓	–	–
Illuminated blue LED fan viewing window	✓	✓	✓	✓	✓	✓	–	–
Adjustable air recirculation air flow	✓	✓	✓	✓	✓	✓	–	–
Expelled room air heat extraction method								
Heat extraction via aérothermal heat pump	–	–	–	✓	–	✓	–	–
Heat extraction via dehumidifying heat pump	–	✓	–	✓	–	✓	–	–
Heat extraction via 'Cross Flow' exchanger	–	✓	✓	–	–	✓	–	–
Fresh air capability								
Fresh air dilution provision	✓	✓	✓	✓	✓	✓	✓	✓
Fresh air 'full rate' ventilation capability	–	✓	✓	–	✓	✓	–	–
Air and pool water heating								
Integral room air heating coil	✓	✓	✓	✓	✓	✓	✓	✓
Integral pool water heating coil	✓	✓	✓	✓	✓	✓	✓	–
Suitable for low temperature primary heat from renewables	✓	✓	✓	✓	✓	✓	–	–
Suitable for salt water pool applications (titanium coils)	✓	✓	✓	✓	✓	✓	✓	–
Room air cooling capability								
'Free' cooling via fresh air induction	–	✓	✓	–	✓	✓	–	–
Full mechanical cooling via integral fresh air condenser	–	–	–	–	–	✓	–	–
Part mechanical cooling via integral expelled air condenser	–	✓*	–	–	–	–	–	–
Controls								
Full 'pre-packaged' system with integrated controls	–	✓	✓	✓	✓	✓	✓	–
Configurations available								
Vertical or Horizontal	✓	✓	✓	–	–	–	✓	–
Variable positioning for controls, pipe & air duct connections	✓	✓	✓	✓	✓	✓	✓	–
Sectional 'split' units for where installation access is restricted	✓*	✓*	✓*	✓*	✓*	✓*	✓*	–
Weatherproofed for external installation	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*
Remote control panel	✓*	✓*	✓*	✓*	✓*	✓*	✓*	✓*

✓* = Option available

Specification and quotation service

Customer name: _____ Telephone number: _____
 Company name: _____ Fax number: _____
 Project reference: _____ Email: _____
 Address: _____
 Date submitted: _____ Date due: _____ Contact method: Fax Post Email

Design conditions

Pool air temperature	Typical (30°C)	
Pool water temperature	(28°C)	
Spa water temperature	(38°C)	
Pool hall humidity level	(60/65 RH%)	
Saltwater chlorination	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Stretch ceiling	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Usage

Application type	Commercial	Domestic
New build	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Basement pool	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Hours per day in active use	Average _____	Maximum _____
Occupancy level	Average _____	Maximum _____
Hours per day pool covered	Average _____	Maximum _____

Ducting

Is air ducting possible?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Overhead?	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Underfloor?	Yes <input type="checkbox"/>	No <input type="checkbox"/>

Pool dimensions (if plans are not available)

Pool size	Length _____	Width _____	Area _____	Depth _____
Spa size	Length _____	Width _____	Area _____	Depth _____
Water features	Length _____	Width _____	Area _____	Depth _____

Fuel

Gas	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Cost _____
Oil	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Cost _____
ASHP	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Cost _____
GSHP	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Cost _____
Bio mass	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Cost _____
Other			Cost _____
Flow and return temperature:	_____		

Pool room details (if plans are not available)

Pool hall	Length _____	Width _____	Eaves _____	Centre _____
Exterior walls (including glass)	Length _____	Height _____	Area _____	U-value _____
Interior walls (including glass)	Length _____	Height _____	Area _____	U-value _____
Roof (including glass)	Length _____	Width _____	Area _____	U-value _____
Exterior glazing	Length _____	Height _____	Area _____	U-value _____
Interior glazing	Length _____	Height _____	Area _____	U-value _____
Roof glazing	Length _____	Width _____	Area _____	U-value _____

Preferred Heatstar system

Andromeda/EC	Phoenix/EC	XF/EC	Hydrus	Gemini	Taurus	Orion	Pegasus	Aquarius
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Please email/fax/post completed form to:

Heatstar Manners View Dodnor Technology Park Newport Isle of Wight PO30 5FA Tel (+44) 01983 521 465 Fax (+44) 01983 822 016 Email info@heatstar.com www.heatstar.com

TUBULAR HEAT EXCHANGERS

New



Waterheat EVO

Heat exchanger suitable for warming the water temperature of pools and SPAS, thanks to the heat exchange between the primary circuit (warm area) and a secondary one (cold area that we want to warm).

- Titanium housing (secondary, pool water).
- Titanium alloy coil (primary, water for boiler).
- Primary working pressure of 10 bar.
- Secondary working pressure of 3 bar.

TIT-20 kW
TIT-40 kW
TIT-60 kW
TIT-105 kW
TIT-140 kW
TIT-210 kW
TIT-300 kW
TIT-450 kW

Discount group	Code	Unit £
P	71607	435.00
P	71608	524.00
P	71609	638.00
P	71610	1,040.00
P	71611	1,465.00
P	71612	1,720.00
P	71613	2,439.00
P	71614	3,331.00

Diagram of assembly above the water level:

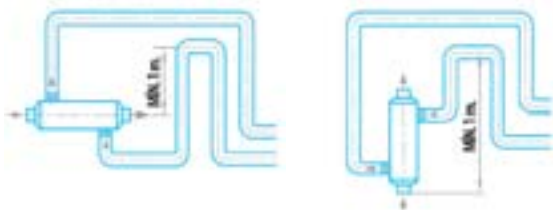
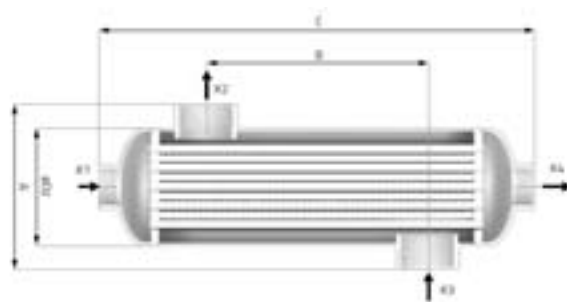


Diagram of assembly below the water level:



TECHNICAL FEATURES

MODELS		TIT-20 KW	TIT-40 KW	TIT-60 KW	TIT-105 KW	TIT-140 KW	TIT-210 KW	TIT-300 KW	TIT-450 KW
CODES		71607	71608	71609	71610	71611	71612	71613	71614
POWER (kW)	90°C	20	40	60	105	140	210	300	450
	60°C	10	20	30	40	60	80	120	210
	45°C	5	10	15	20	3	40	60	100
HEATER	m ³ /h	1.6	2.7	3.1	6.6	7.0	10.0	11.0	16.0
HEATER HEAD LOSS	bar	0.006	0.024	0.040	0.030	0.040	0.122	0.214	0.470
HEATER CONNECTION	Inch	G ¾"			G 1 ½"				
Pool volume	m ³ /h	11	15	20	23	20	25	20	21
POOL HEAD LOSS	bar	0.119	0.192	0.418	0.293	0.316	0.633	0.596	0.860
POOL CONNECTION	Inch	G 1"	G 1 ½"						
DIMENSIONS	A (mm)	122			140				
	B (mm)	75	175	225	170	270	420	670	920
	C (mm)	290	390	440	357	457	607	857	1107
	∅ Dz	80			102				
WEIGHT	kg	1.2	1.7	1.9	2.2	2.7	3.8	5.3	6.8

Consult your service engineer about the right selection of unit depending on your installation.
Figures for power settings calculated for pool water at 20° C.

TUBULAR HEAT EXCHANGERS

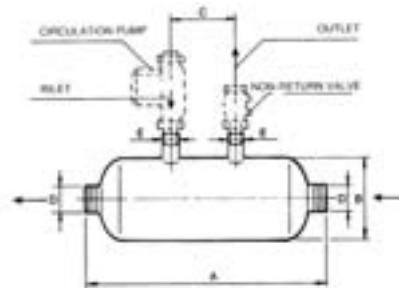
Behncke series QWT 100

Heat exchangers for swimming pools. Made in s.s. with pocket for thermostat. Probe working pressure: primary 10 bar, secondary 3 bar (brackets not included).



Power	20 kW	68,000 btu
	30 kW	102,300 btu
	40 kW	136,000 btu
	70 kW	238,000 btu
	104 kW	359,000 btu
	140 kW	477,700 btu
	209 kW	713,108 btu

Discount group	Code	Unit £
P	03734	467.00
P	03735	497.00
P	03736	470.00
P	03737	822.00
P	03738	1,040.00
P	03739	1,678.00
P	03740	1,985.00



Code	Dimensions				
	A	B	C	D	E
03734	270	125	90	1 1/2"	3/4"
03735	315	125	135	1 1/2"	3/4"
03736	385	125	205	1 1/2"	3/4"
03737	520	190	290	1 1/2"	1"
03738	660	190	430	2"	1"
03739	920	19	295	2"	1"
03740	1190	190	430	2"	1"

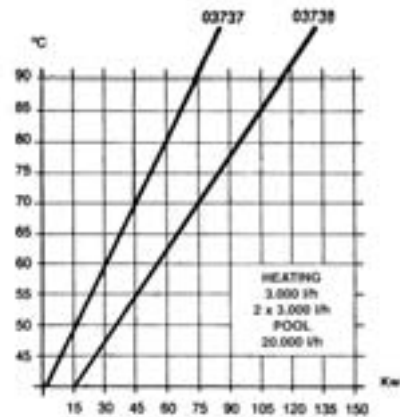
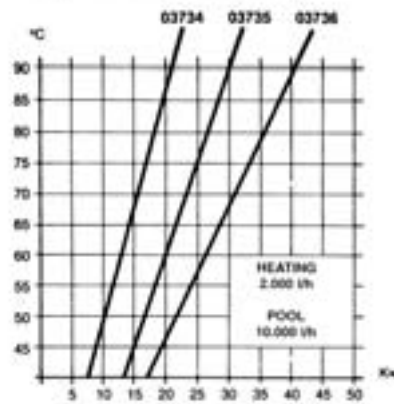


PLATE HEAT EXCHANGERS

Etna series

For the codes of titanium products, please contact your dealer.

- Corrugated plates in AISI-316 or Titanium.
- EPDM gaskets.
- Frame in carbonised steel with epoxy paint.
- In unequipped heat exchangers, stainless steel connections AISI-316 or polypropylene in ISO G2 direct thread.
- In equipped heat exchangers, primary connections in cast iron, and secondary in PVC.
- In equipped heat exchangers, full regulation, with control of the filtering pump. Double display (setpoint and current reading).
- Simple circulating pump in the primary circuit is optional.



Basic model



Equipped model



Equipped model +
recirculating pump

Model	AISI-316 codes			Titanium codes			Power (kcal/h)	N° Plates	Primary circuit			Secondary circuit		
	Basic model	Equipped model	Model Eq+B(1)	Basic model	Equipped model	Model Eq+B(1)			Flow rate m ³ /h	Head loss (m.w.h.)	Connections	Flow rate m ³ /h	Head loss (m.w.h.)	Connections
ETNA-15	67985	68230	68021	67994	68012	68030	15.000	5	0.75	1.59	1 ¼"	0.74	1.93	1 ¼"
ETNA-35	67986	67986	68022	67995	68013	68031	35.000	7	1.77	2.15	1 ¼"	1.73	2.57	1 ¼"
ETNA-50	67987	68005	68023	67996	68014	68032	50.000	9	2.56	2.01	1 ¼"	2.51	2.41	1 ¼"
ETNA-60	67988	68006	68024	67997	68015	68033	60.000	11	3.09	2.14	1 ¼"	3.03	2.57	1 ¼"
ETNA-90	67989	68007	68025	67998	68016	68034	90.000	15	4.64	2.34	1 ¼"	4.55	2.81	1 ¼"
ETNA-120	67990	68008	68026	68226	68017	68035	120.000	19	6.19	2.45	1 ¼"	6.07	2.95	1 ¼"
ETNA-150	67991	68009	68027	68227	68018	68036	150.000	23	7.71	2.24	1 ¼"	7.56	2.7	1 ¼"
ETNA-180	67992	68010	68028	68228	68019	68037	180.000	29	9.23	2.32	1 ¼"	9.06	2.79	1 ¼"
ETNA-200	67993	68011	68029	68229	68020	68038	200.000	31	10.3	2.38	1 ¼"	10.1	2.86	1 ¼"
ETNA-250	32550	32563	32576	33137	33155	33173	250.000	15	12.86	2.2	2 ½"	12.61	2.74	2 ½"
ETNA-300	32552	32565	32578	33139	33157	33175	300.000	17	15.42	2.4	2 ½"	15.13	2.99	2 ½"
ETNA-350	32553	32566	32579	33140	33158	33176	350.000	21	17.98	2.12	2 ½"	17.64	2.64	2 ½"
ETNA-400	33114	33119	33124	33141	33159	33177	400.000	23	20.55	2.27	2 ½"	20.16	2.82	2 ½"
ETNA-460	33115	33120	33125	69796	33160	33178	460.000	25	23.18	2.41	2 ½"	22.73	2.99	2 ½"
ETNA-500	32554	32567	32580	69797	33161	33179	500.000	27	25.1	2.41	2 ½"	24.62	2.99	2 ½"
ETNA-580	33116	33121	33126	69798	33162	33180	580.000	33	29.83	2.26	2 ½"	29.26	2.81	2 ½"

(1) Eq + B: Equipped model + recirculating pump.

PLATE HEAT EXCHANGERS

Etna series

Description Plate exchanger	Code AISI-316	Unit £	Code Titanium	Unit £
Basic model				
INT-15 WATER/WATER PLATE EXCHANGER	67985	888.00	67994	1,331.00
INT-35 WATER/WATER PLATE EXCHANGER	67986	943.00	67995	1,495.00
INT-50 WATER/WATER PLATE EXCHANGER	67987	1,085.00	67996	2,447.00
INT-60 WATER/WATER PLATE EXCHANGER	67988	1,156.00	67997	2,449.00
INT-90 WATER/WATER PLATE EXCHANGER	67989	1,370.00	67998	3,242.00
INT-120 WATER/WATER PLATE EXCHANGER	67990	1,513.00	67999	3,873.00
INT-150 WATER/WATER PLATE EXCHANGER	67991	1,584.00	68000	4,881.00
INT-180 WATER/WATER PLATE EXCHANGER	67992	1,727.00	68001	5,964.00
INT-200 WATER/WATER PLATE EXCHANGER	67993	1,827.00	68002	6,104.00
INT-250 WATER/WATER PLATE EXCHANGER	32550	2,659.00	33137	6,479.00
INT-300 WATER/WATER PLATE EXCHANGER	32552	2,783.00	33139	6,891.00
INT-350 WATER/WATER PLATE EXCHANGER	32553	3,064.00	33140	7,818.00
INT-400 WATER/WATER PLATE EXCHANGER	33114	3,233.00	33141	8,406.00
INT-460 WATER/WATER PLATE EXCHANGER	33115	3,327.00	69796	8,994.00
INT-500 WATER/WATER PLATE EXCHANGER	32554	3,516.00	69797	9,581.00
INT-580 WATER/WATER PLATE EXCHANGER	33116	3,774.00	69798	11,796.00
Equipped model				
INT EQUIPPED-15 EQUIPPED WATER/WATER PLATE EXCHANGER	68003	2,332.00	68012	2,542.00
INT EQUIPPED-35 EQUIPPED WATER/WATER PLATE EXCHANGER	68004	2,591.00	68013	2,757.00
INT EQUIPPED-50 EQUIPPED WATER/WATER PLATE EXCHANGER	68005	2,791.00	68014	3,409.00
INT EQUIPPED-60 EQUIPPED WATER/WATER PLATE EXCHANGER	68006	2,863.00	68015	3,673.00
INT EQUIPPED-90 EQUIPPED WATER/WATER PLATE EXCHANGER	68007	3,003.00	68016	4,101.00
INT EQUIPPED-120 EQUIPPED WATER/WATER PLATE EXCHANGER	68008	3,389.00	68017	5,160.00
INT EQUIPPED-150 EQUIPPED WATER/WATER PLATE EXCHANGER	68009	3,461.00	68018	5,965.00
INT EQUIPPED-180 EQUIPPED WATER/WATER PLATE EXCHANGER	68010	3,909.00	68019	7,978.00
INT EQUIPPED-200 EQUIPPED WATER/WATER PLATE EXCHANGER	68011	4,011.00	68020	8,241.00
INT EQUIPPED-250 EQUIPPED WATER/WATER PLATE EXCHANGER	32563	4,902.00	33155	8,938.00
INT EQUIPPED-300 EQUIPPED WATER/WATER PLATE EXCHANGER	32565	5,256.00	33157	9,486.00
INT EQUIPPED-350 EQUIPPED WATER/WATER PLATE EXCHANGER	32566	5,621.00	33158	10,296.00
INT EQUIPPED-400 EQUIPPED WATER/WATER PLATE EXCHANGER	33119	5,797.00	33159	11,081.00
INT EQUIPPED-460 EQUIPPED WATER/WATER PLATE EXCHANGER	33120	5,915.00	33160	11,668.00
INT EQUIPPED-500 EQUIPPED WATER/WATER PLATE EXCHANGER	32567	5,949.00	33161	11,973.00
INT EQUIPPED-580 EQUIPPED WATER/WATER PLATE EXCHANGER	33121	7,000.00	33162	14,019.00
Equipped model +				
INT EQUIPPED+RECIR-15 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	68021	3,317.00	68030	3,676.00
INT EQUIPPED+RECIR-35 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	68022	3,463.00	68031	4,006.00
INT EQUIPPED+RECIR-50 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	68023	4,425.00	68032	5,180.00
INT EQUIPPED+RECIR-60 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	68024	4,453.00	68033	5,389.00
INT EQUIPPED+RECIR-90 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	68025	5,120.00	68034	6,127.00
INT EQUIPPED+RECIR-120 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	68026	5,244.00	68035	6,993.00
INT EQUIPPED+RECIR-150 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	68027	6,333.00	68036	8,633.00
INT EQUIPPED+RECIR-180 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	68028	6,709.00	68037	9,279.00
INT EQUIPPED+RECIR-200 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	68029	6,829.00	68038	9,682.00
INT EQUIPPED+RECIR-250 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	32576	9,333.00	33173	13,105.00
INT EQUIPPED+RECIR-300 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	32578	9,626.00	33175	13,317.00
INT EQUIPPED+RECIR-350 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	32579	10,103.00	33176	15,407.00
INT EQUIPPED+RECIR-400 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	33124	10,800.00	33177	16,081.00
INT EQUIPPED+RECIR-460 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	33125	12,046.00	33178	16,755.00
INT EQUIPPED+RECIR-500 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	32580	12,264.00	33179	17,429.00
INT EQUIPPED+RECIR-580 EQUIPPED RECIRCULATION PUMP WATER/WATER PLATE EXCHANGER	33126	12,721.00	33180	20,174.00

ELECTRIC HEATERS

Compact ElectricHeat



ELECTRIC VERSION



MANUAL VERSION (ECO)



ELECTRIC VERSION



MANUAL VERSION (ECO)



Fluidra Connect compatible

Titanium models only

EXTERNALLY:

- New linear configuration that offers ease of installation.
- New, more compact and simpler "all in" design. Simple and elegant lines.
- New more user-friendly interface. Now has new state-of-the-art touch sensor and OLED display (not available for the ECO version).
- More information for the user in a more intuitive fashion.
- New electrical connection system, simpler and faster.

INTERNALLY:

- Simplicity of components: the internal components have been simplified and reduced.
- Replaceable parts: now the internal components are easy to access and replace.
- New more accurate and more secure electronic adjustment (manual adjustment in the Eco version)
- New hardware and software able to detect failures in a pool facility and its units (not available for the ECO version).
- Standard model with Incoloy resistance, Titanium model with resistances in titanium.

Model specifically for Fluidra Connect (not available for the ECO version).

	Discount group	Code	Unit £
COMPACT 3	P	60170	702.00
COMPACT 6	P	60171	764.00
COMPACT 9	P	60172	800.00
COMPACT 12	P	60173	883.00
COMPACT 18	P	60174	999.00
COMPACT 3 Titanium	P	65321	996.00
COMPACT 6 Titanium	P	65322	1,015.00
COMPACT 9 Titanium	P	65323	1,037.00
COMPACT 12 Titanium	P	65324	1,080.00
COMPACT 18 Titanium	P	65325	1,102.00
COMPACT ECO 3	P	69193	517.00
COMPACT ECO 6	P	69194	534.00
COMPACT ECO 9	P	69195	542.00
COMPACT ECO 12	P	69196	578.00
COMPACT ECO 18	P	69197	634.00



NB: INCOLOY models do NOT provide protection for salt electrolysis facilities, so this type of facility should use the TITANIUM model to prevent operational problems that would not be covered under warranty.

TECHNICAL SPECIFICATIONS

MODELS	COMPACT 3	COMPACT 6	COMPACT 9	COMPACT-12	COMPACT-18	
CODE	60170	60171	60172	60173	60174	
	65321	65322	65323	65324	65325	
POWER	W	3000	6000	9000	12000	18000
ELECTRICAL SUPPLY	V/Ph/Hz	220/2/50 or 380/4/50	220/2/50 or 380/4/50	220/2/50 or 380/4/50	220/2/50 or 380/4/50	380/3/50
MIN. FLOW	m ³ /h	2.4				
MAX. FLOW	m ³ /h	10.0				
SERVICE PRESSURE	bar	2				
MAX. PRESSURE	bar	3				
O CONNECTION	mm	50/63				
MAX. ABSORBED INTENSITY (AMP)	220/2/50	14	27	41	54	-
	380/4/50	5	9	14	18	27
GROSS WEIGHT	Kg	4.20				
NET WEIGHT	Kg	4.80				

In the case of 230/4/50-60, check special code.

ELECTRIC TUBULAR AIR & WATER HEATERS

Behncke electric tubular water heater EWT 80/40



Made in S.S., complete with pressure switch & 0 to 50°C thermostat 1½" connections.

	Discount group	Code	Unit £
Power: 3 kW	P	03745	565.00
6 kW	P	03746	591.00
9 kW	P	03747	593.00
(3 phase) 12 kW	P	03748	604.00
(3 phase) 18 kW	P	03749	660.00

Behncke heater spares EWT 80/40

	Discount group	Code	Unit £
3 kW Tubular Element	P	023422000	237.00
6 kW Tubular Element	P	023423000	282.00
9 kW Tubular Element	P	03747R0010	327.00
12 kW Tubular Element	P	30402022	371.00
18 kW Tubular Element	P	30402028	372.00
Pressure Switch	P	P46-463	58.00

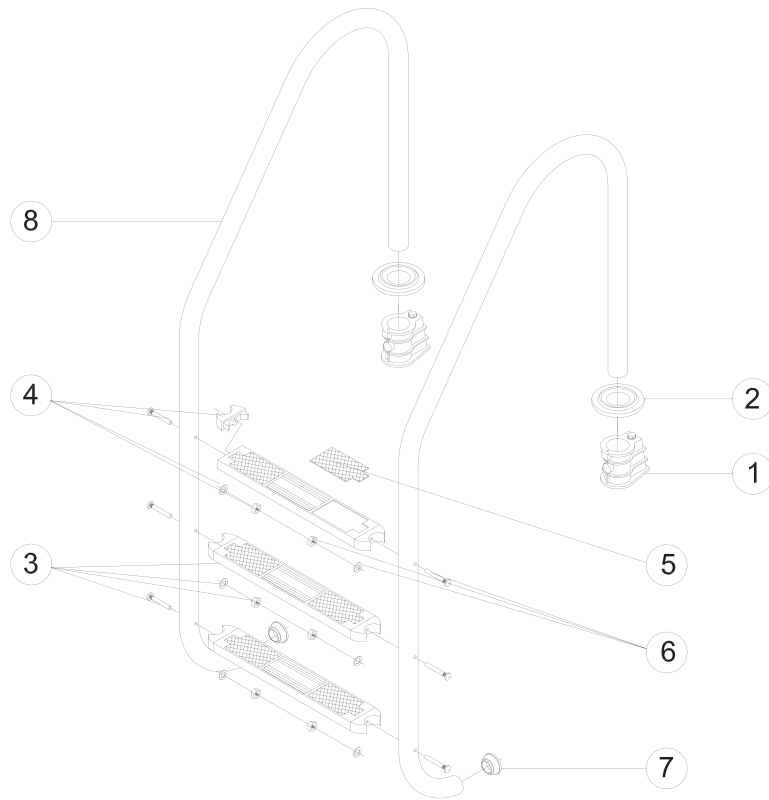


SELECTED SPARES KITS

- 334 • Pool surround equipment
- 335 • Pool shell equipment
- 340 • Filtration
- 364 • Pumps
- 373 • Pool Lighting & Ornamental features

POOL SURROUND EQUIPMENT

Standard Ladder 2-3-4-5 Treads AISI-316

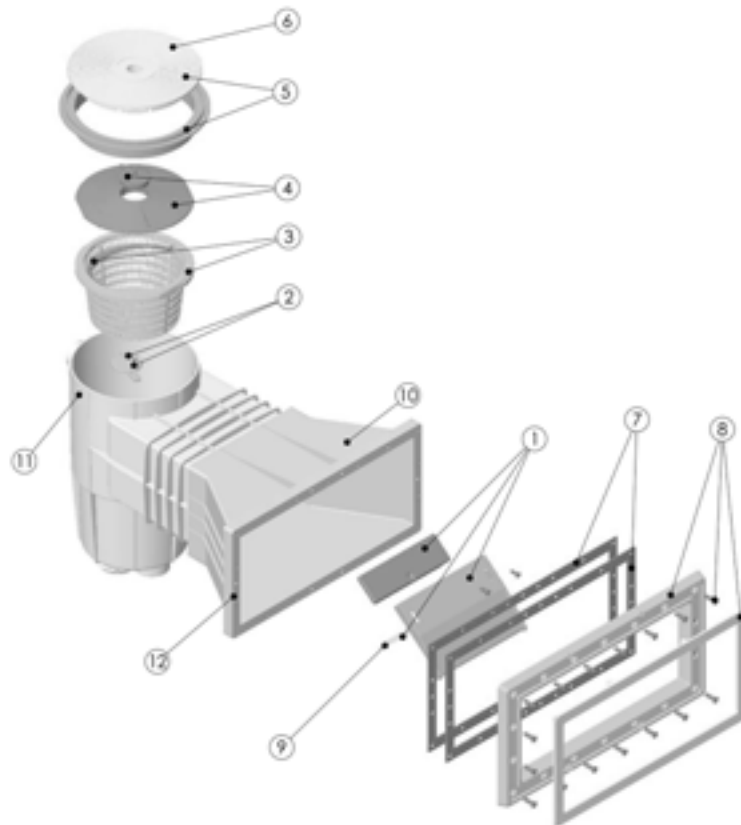
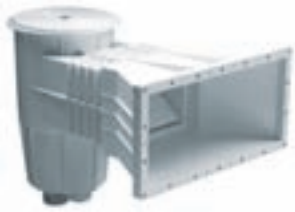


Pos.	Description	Discount group	Code	Unit £
1	LADDER ANCHOR (PAIR)	A	4401010101	45.00
2	ESCUTCHEON 316 (PAIR)	A	4401010103	32.00
3	DELUXE TREAD 316	A	4401010104	75.00
4	TREAD END SET 316	A	4401010107	24.00
5	DELUXE TREAD END INSERT	A	4401010108	22.00
6	TREAD BOLT SET 316	A	4401010111	32.00
7	LADDER END CAP (PAIR)	A	4401010112	12.00
	FLANGE FIXING SET (ITEM NOT SHOWN)	A	4401010802	14.00
	DOUBLE TREAD (ITEM NOT SHOWN)	J	07603	88.00

POOL SHELL EQUIPMENT

Skimmer 15 L with wide mouth

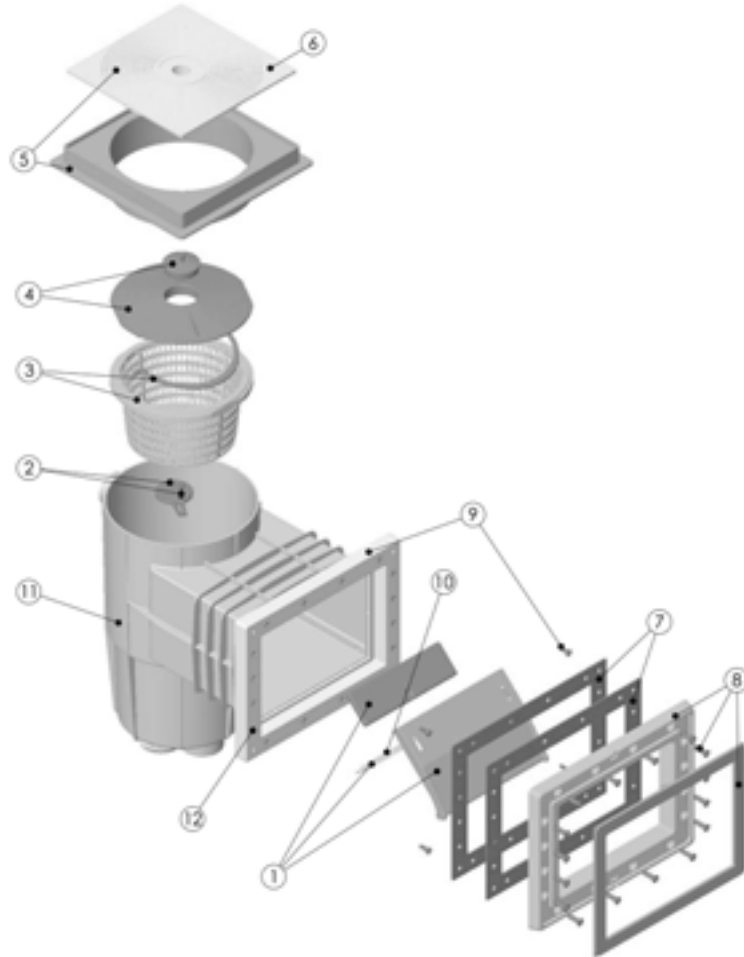
SEE NEXT PAGE FOR SQUARE LID & SMALL FRAME



Pos.	Description	Discount group	Code	Unit £
1	FLAP RETAINING CLIP	A	4402010101	14.00
2	KEYHOLE FLAP	A	4402010102	4.00
3	BASKET 188 X 142 X 100h	A	4402010103	9.00
4	VACUUM PLATE WITH PLUG	A	4402010104	12.00
5	CIRCULAR LID AND LID FRAME	A	4402010105	23.00
6	CIRCULAR SKIMMER LID	A	4402010108	13.00
7	LARGE SKIMMER GASKETS FOR LINER	A	4402010407	39.00
8	SKIMMER FRAME FOR LINER	A	4402010408	30.00

POOL SHELL EQUIPMENT

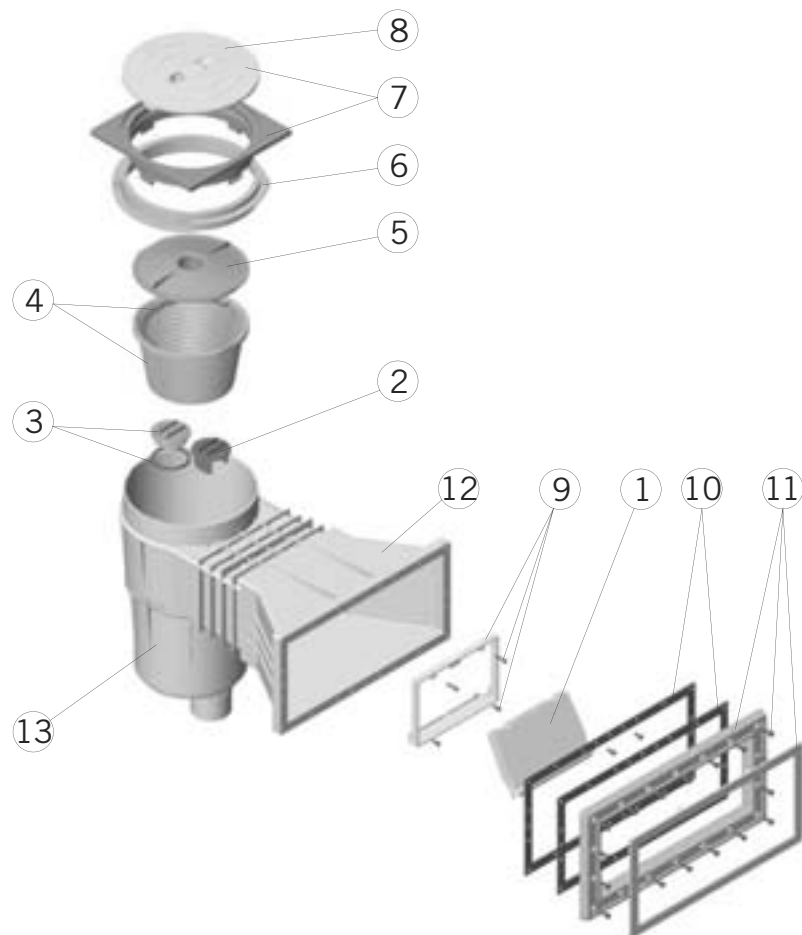
Skimmer 15 L liner std throat, square lid



Pos.	Description	Discount group	Code	Unit £
1	SKIMMER FLAP	A	4402010101	14.00
2	KEYHOLE FLAP	A	4402010102	4.00
3	BASKET 188 X 142 X 100h	A	4402010103	9.00
4	VACUUM PLATE WITH PLUG	A	4402010104	12.00
5	SQUARE LID AND LID FRAME	A	4402010106	29.00
6	SQUARE SKIMMER LID	A	4402010107	17.00
7	SMALL SKIMMER GASKETS FOR LINER POOL	A	4402010307	30.00
8	SMALL SKIMMER FRAME	A	4402010308	27.00
9	SKIMMER FRAME ADAPTOR	A	4402011113	46.00

POOL SHELL EQUIPMENT

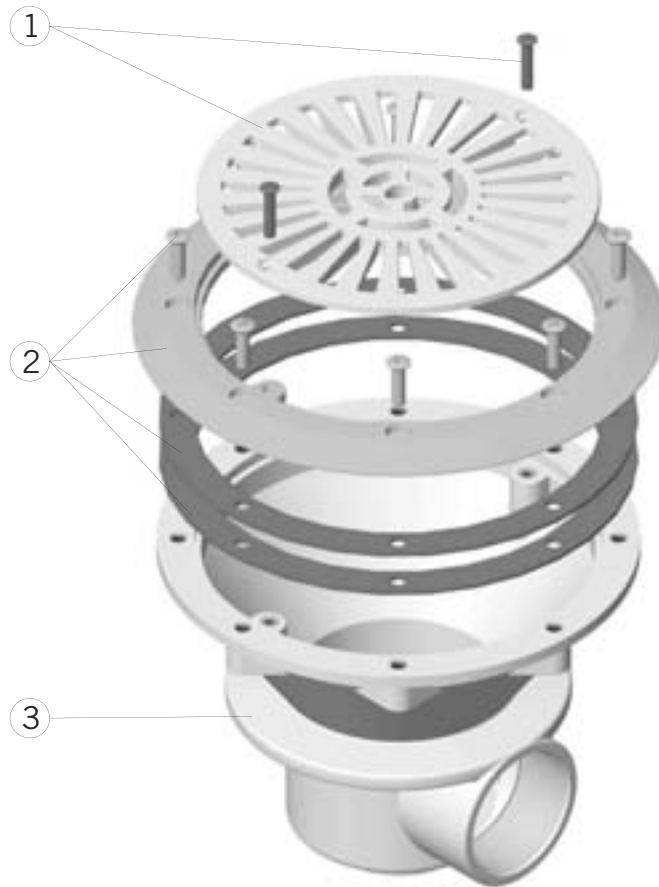
Skimmer 17.5 L wide mouth for liner pools, square lid



Pos.	Description	Discount group	Code	Unit £
1	SKIMMER FLAP	A	4402010501	13.00
2	REGULATING PLUG	A	4402010502	4.00
3	BLANKING PLUG AND 'O' RING	A	4402010503	5.00
4	BASKET 188 X 142 X 100h	A	4402010504	8.00
5	VACUUM PLATE	A	4402010505	15.00
6	COLLAR EXTENSION RING	A	4402010506	12.00
7	SQUARE RIM AND LID	A	4402010510	36.00
8	SKIMMER LID	A	4402010509	25.00
9	FLAP FRAME	A	4402010508	11.00
10	LARGE SKIMMER GASKETS FOR LINER	A	4402010407	39.00
11	SKIMMER FRAME FOR LINER	A	4402010408	30.00

POOL SHELL EQUIPMENT

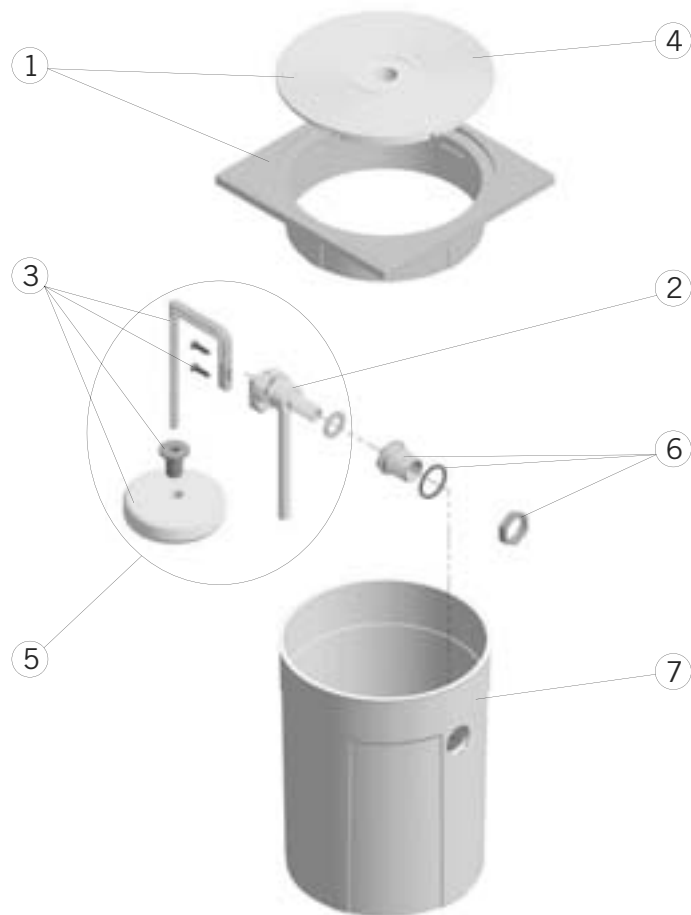
Drain for liner/prefab pools 2"



Pos.	Description	Discount group	Code	Unit £
1	2" DRAIN GRILLE CONCRETE (GRILLE 270mm)	A	4402020101	24.00
1	2" DRAIN GRILLE LINER (GRILLE 210mm)	A	4402021102	11.00
2	2" DRAIN FLANGE	A	4402021101	42.00

POOL SHELL EQUIPMENT

Level regulator

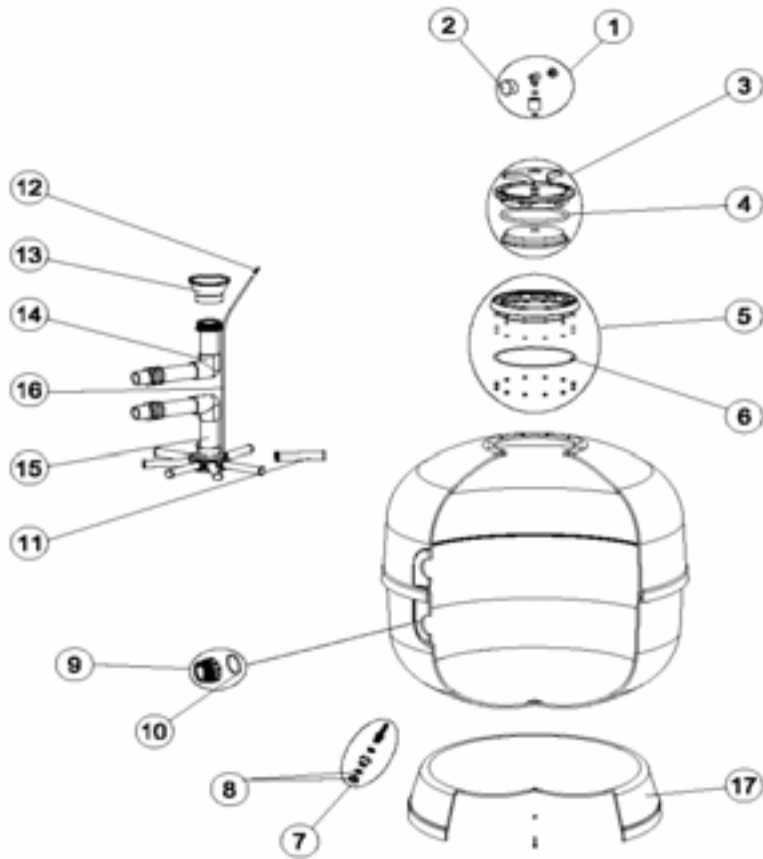


Pos.	Description	Discount group	Code	Unit £
1	FRAME WITH CIRCULAR LID COVER	A	4402060201	24.00
2	ADJUSTABLE NOZZLE	A	4402060202	31.00
3	LEVEL REGULATOR FLOATARM ASSEMBLY	A	4402060203	6.00
4	CIRCULAR SKIMMER LID	A	4402010108	13.00
5	VALVE ASSEMBLY	A	4402060204	37.00
6	FIXATION VALVE UNIT	A	4402060205	7.00

FILTRATION

Aster filters side valve

CODES: 00497-00498-00499-00500-19781-21071



Pos.	Description	Discount group	Code	Unit £
1	PRESSURE GAUGE UNIT 1/8"	A	4404020101	27.00
2	PRESSURE GAUGE 1/8" 3 KG./CM	A	4404010103	23.00
3	QUICK CLOSING LID UNIT	A	4404020102	140.00
4	LID GASKET	A	4404020111	23.00
5	LID RING UNIT	A	4404020108	71.00
6	'O' RING 255X4	A	4404020116	13.00
7	WATER PURGE 3/8"	A	4404010108	11.00
8	DRAIN PLUG AND GASKET	A	4404040113	3.00
9	FITTING 1 1/2" + O'RING	A	4404040103	16.00
9	FITTING 2" + O'RING	A	4404040112	16.00
10	O' RING D. 60x8	A	4404040115	5.00
11	LATERAL SET FOR 350/450MM	A	AL350	14.80

The list of spares continues on the next page

FILTRATION

Aster filters side valve

CODES: 00497-00498-00499-00500-19781-21071

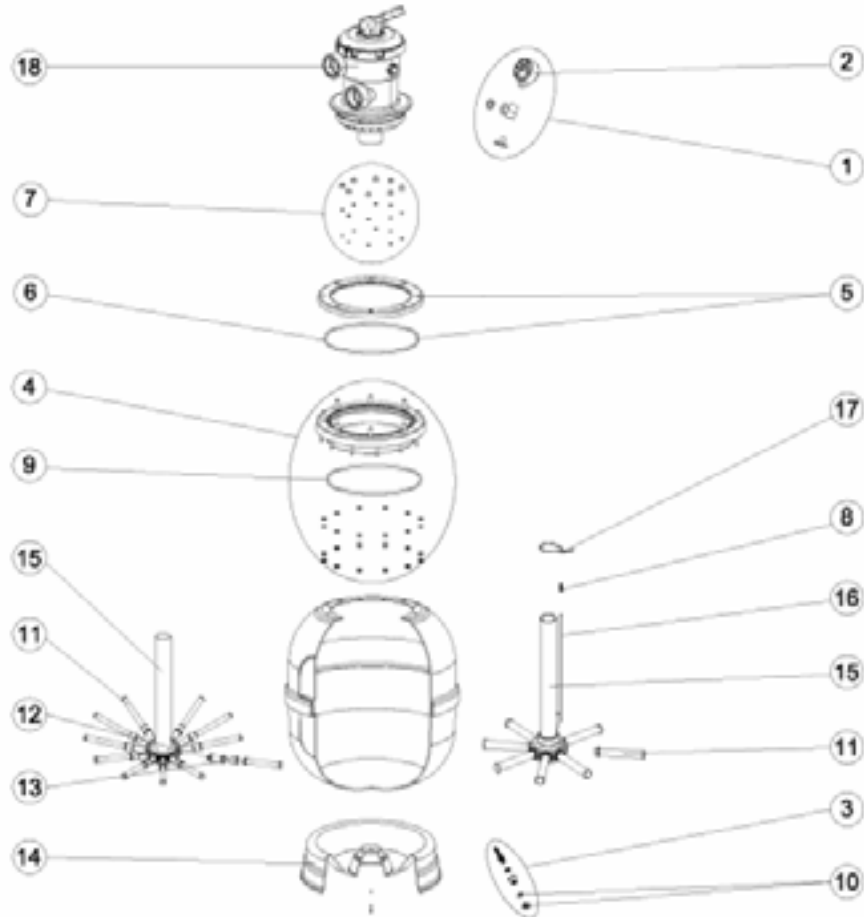


Pos.	Description	Discount group	Code	Unit £
11	LATERAL SET FOR 600 mm	A	AL600	14.80
11	LATERAL SET FOR 750 mm	A	AL750	22.80
12	AIR PURGE	A	4404040108	2.20
13	DIFFUSER D. 50	A	4404301004	11.00
13	DIFFUSOR D. 63	A	4404300910	23.00
14	DIFFUSOR ASSEMBLY D. 500	A	4404010118	30.00
14	DIFFUSOR ASSEMBLY D. 600	A	4404010119	30.00
14	DIFFUSOR ASSEMBLY D. 750	A	4404010120	47.00
15	COLLECTOR ASSEMBLY D 500	A	4404010114	50.00
15	COLLECTOR ASSEMBLY D 600	A	4404010115	50.00
15	COLLECTOR ASSEMBLY D 750	A	4404010116	107.00
17	BASE D 500	A	4404010134	45.00
17	BASE D 600	A	4404010113	57.00
17	BASE D 750	A	4404300924	81.00

FILTRATION

Aster filters top valve

CODES: 30768-30769-30770-30771-30772-33847-33848



Pos.	Description	Discount group	Code	Unit £
1	COMPLETE PRESSURE GAUGE UNIT	A	4404220101	32.00
2	PRESSURE GAUGE 1/8"	A	4404220102	28.00
3	WATER PURGE 3/8"	A	4404040110	11.00
4	20-SCREW NECK RING	A	4404160809	90.00
5	VALVE TOP FIXING RING	A	4404260105	31.00
6	VALVE TOP RING FIXING GASKET	A	4404260106	7.00
7	VALVE TOP FIXING RING SCREWS	A	4404260107	13.00
8	AIR PURGE	A	4404040108	2.20
9	'O' RING 255X4	A	4404020116	13.00
10	DRAIN PLUG AND GASKET	A	4404040113	3.00
11	LATERAL SET FOR 350/450mm	A	AL350	14.80
11	LATERAL SET FOR 500mm	A	AL500	15.20

The list of spares continues on the next page

FILTRATION

Aster filters top valve

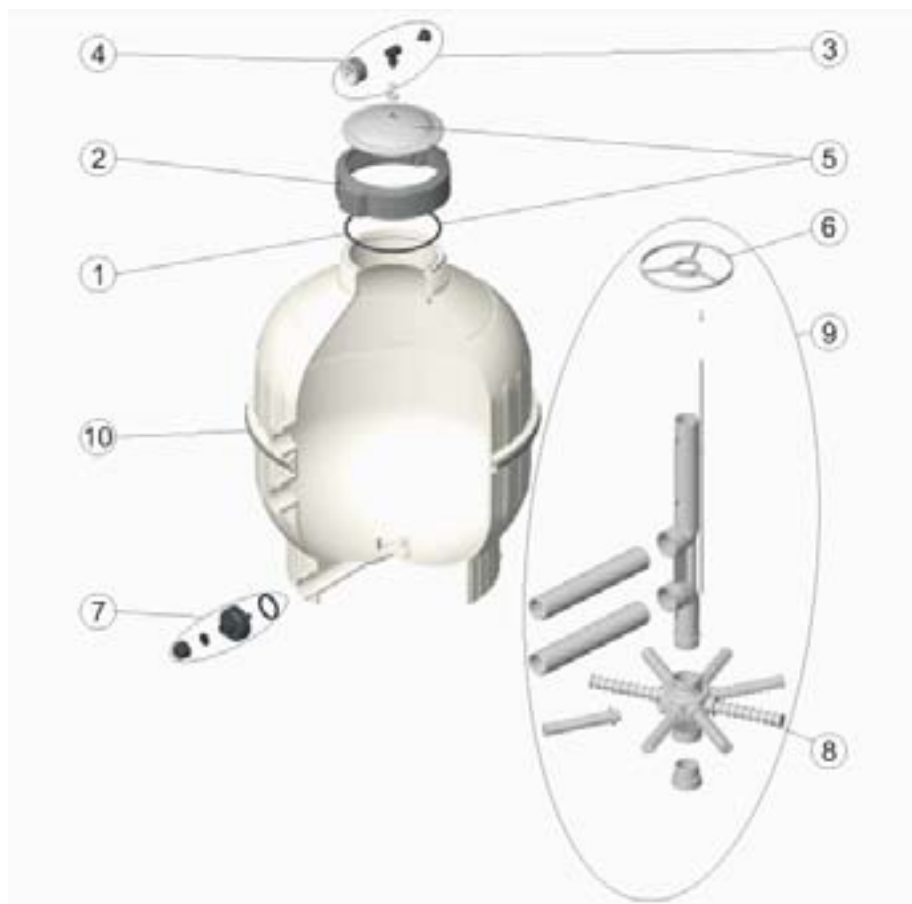
CODES: 30768-30769-30770-30771-30772-33847-33848



Pos.	Description	Discount group	Code	Unit £
11	LATERAL SET FOR 600 mm	A	AL600	14.80
12	LATERAL SET FOR 750 mm	A	AL750	22.80
14	BASE D 500	A	4404010134	45.00
14	BASE D 600	A	4404010113	57.00
14	BASE D 750	A	4404300924	81.00
15	COLLECTOR ASSEMBLY ASTER D. 500 TOP 1"	A	4404270020	39.00
15	COLLECTOR ASSEMBLY ASTER D. 600 TOP 1"	A	4404270022	40.00
15	COLLECTOR ASSEMBLY ASTER D. 750 TOP 1"	A	4404270024	65.00
15	COLLECTOR ASSEMBLY ASTER D. 900 TOP 1"	A	4404270025	124.00
18	MULTIPORT VALVE 1½"	A	31993	94.00
18	MULTIPORT VALVE 2"	A	33969	164.00

FILTRATION

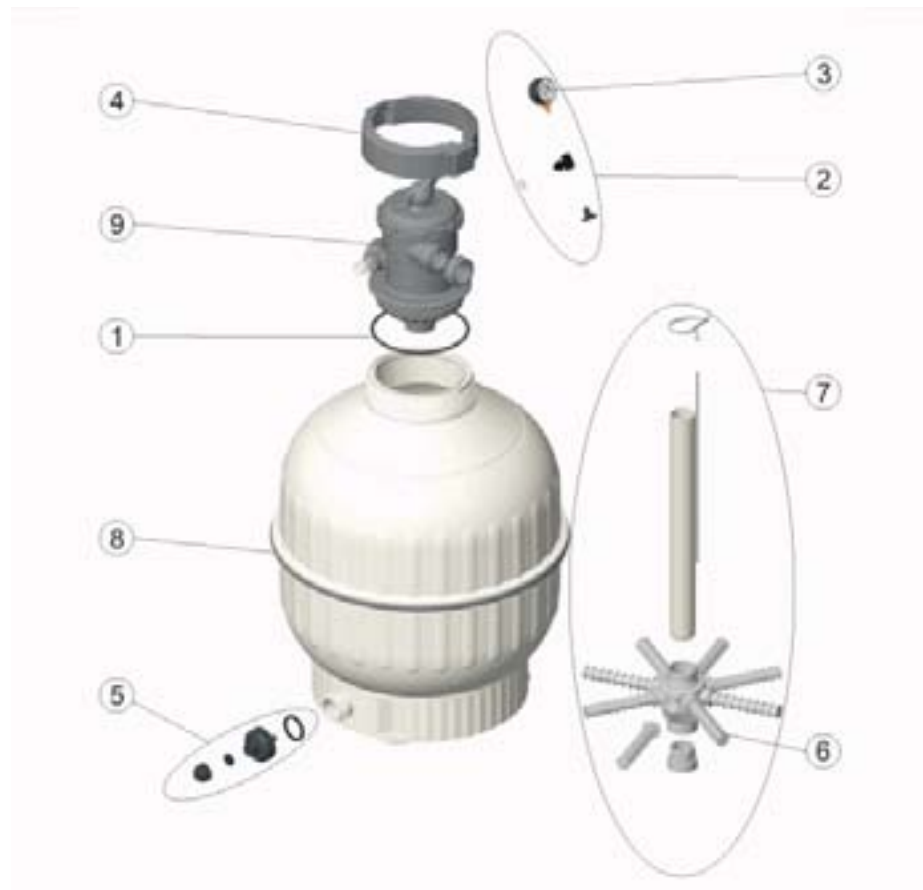
Cantabric filters side valve



Pos.	Description	Discount group	Code	Unit £
1	LID O RING	A	4404180201	9.00
2	THREADED LID COLLAR	A	4404180102	19.00
3	COMPLETE PRESSURE GAUGE UNIT	A	4404080104	24.00
4	PRESSURE GAUGE 1/8" 3 KG/CM	A	4404010103	23.00
5	TRANSPARENT LID AND O RING (NOT 900MM)	A	4404180105	33.00
5	TRANSPARENT LID AND O RING 900MM ONLY	A	4404180112	61.00
7	SAND PURGE 1 1/2"	A	4404180110	7.00
8	LATERAL SET 500 MM	A	C500	14.80
8	LATERAL SET 600 MM	A	C600	14.80
8	LATERAL SET 750 MM	A	C750	68.40
9	COLLECTOR ASSEMBLY CANTABRIC D. 500	A	4404180015	86.00
9	COLLECTOR ASSEMBLY CANTABRIC D. 600	A	4404180016	110.00
9	COLLECTOR ASSEMBLY CANTABRIC D. 750	A	4404180013	148.00

FILTRATION

Cantabric filters top valve

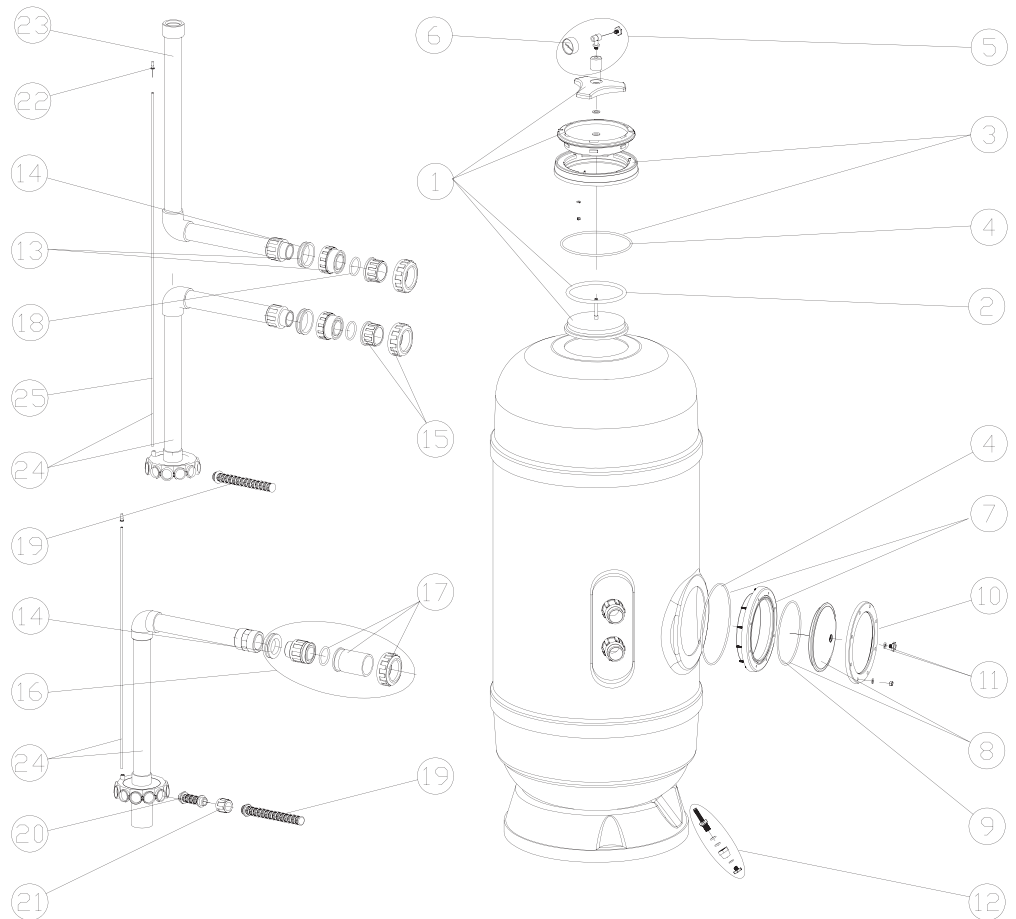


Pos.	Description	Discount group	Code	Unit £
1	LID O RING	A	4404180201	9.00
2	COMPLETE PRESSURE GAUGE UNIT	A	4404220101	32.00
3	PRESSURE GAUGE 1/8" 3 KG./CM	A	4404220102	28.00
4	OPEN THREADED COLLAR	A	4404180204	34.00
5	SAND PURGE 1 1/2"	A	4404180110	7.00
6	LATERAL SET 500 MM	A	C500	14.80
6	LATERAL SET 600 MM	A	C600	14.80
6	LATERAL SET 750 MM	A	C750	68.40
7	COLLECTOR ASSEMBLY CANTABRIC D. 500	A	4404180021	93.00
7	COLLECTOR ASSEMBLY CANTABRIC D. 600	A	4404180022	90.00
7	COLLECTOR ASSEMBLY CANTABRIC D. 750	A	4404180023	189.00
9	TOP MOUNT VALVE	A	20565	90.00

FILTRATION

PTK filters 1000 d. 500-650-800-950

CODES: 07994-00495-00496-07454



Pos.	Description	Discount group	Code	Unit £
1	QUICK CLOSING LID UNIT	A	4404020102	140.00
2	LID GASKET	A	4404020111	23.00
3	LID RING UNIT	A	4404020108	71.00
4	O' RING 255x4	A	4404020116	13.00
5	PRESSURE GAUGE UNIT 1/8"	A	4404020101	27.00
6	PRESSURE GAUGE 1/8" 3 KG./CM	A	4404010103	23.00
7	20-SCREW NECK RING	A	4404160809	90.00
8	FILTER LID D. 220 BLACK	A	4404160847	36.00
9	VALVE TOP RING FIXING GASKET	A	4404260106	7.00
10	FIXING RING	A	4404160849	33.00
11	DRAIN PLUG AND GASKET	A	4404040113	3.00
12	WATER PURGE 3/8"	A	4404010108	11.00

The list of spares continues on the next page

FILTRATION

PTK filters 1000 d. 500-650-800-950

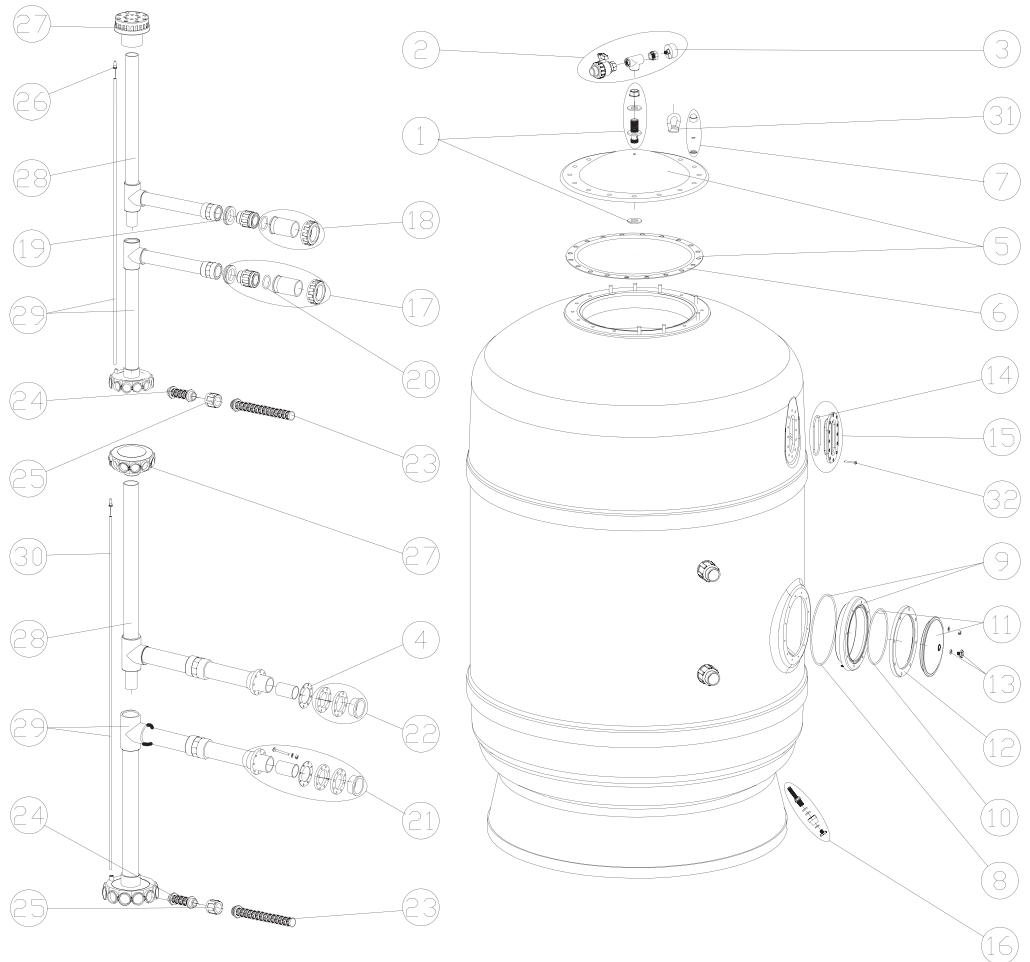
CODES: 07994-00495-00496-07454



Pos.	Description	Discount group	Code	Unit £
13	1 1/2" FITTING + CONCAVE GASKET	A	4404020103	28.00
13	2" FITTING + GASKET	A	4404020203	20.00
14	CONCAVE GASKET 1 1/2"	A	4404020112	9.00
14	CONCAVE GASKET 2"	A	4404020211	11.00
14	CONCAVE GASKET 2 1/2"	A	4404190112	15.00
15	GASKETS + NUT D.50	A	4404301902	19.00
15	GASKETS + NUT D.63	A	4404301903	19.00
16	2 1/2" - D.75 OUTLET ASSEMBLY	A	4404302701	66.00
17	3 PIECE CONNECTION 75	A	4404302702	30.00
18	O RING D.56,3X5.3 EPDM65	A	4404301901	4.00
18	GASKET 2 1/2"	A	4404302703	7.00
19	LATERAL SET FOR 650MM FILTER 1m BED	A	PL650	15.20
19	LATERAL SET FOR 800MM FILTER 1m BED	A	PL800	58.80
20	LATERAL SET FOR 950MM FILTER 1m BED	A	PL950	58.80
22	AIR PURGE	A	4404040108	2.20
23	DIFFUSER ASSEMBLY PTK 1000 D.650	A	4404040078	84.00
23	DIFFUSER ASSEMBLY PTK 1000 D.800	A	4404040079	105.00
23	DIFFUSER ASSEMBLY PTK 1000 D.950	A	4404040081	138.00
24	COLLECTOR ASSEMBLY PTK 1000 D.650	A	4404040074	105.00
24	COLLECTOR ASSEMBLY PTK 1000 D.800	A	4404040075	289.00
24	COLLECTOR ASSEMBLY PTK 1000 D.950	A	4404040077	316.00
	OLD STYLE MANHOLE ASSEMBLY (ITEM NOT SHOWN)	A	4404161512	77.00

FILTRATION

PTK filters 1200 d. 1000-1200



Pos.	Description	Discount group	Code	Unit £
1	PRESSURE GAUGE CONNECTION	A	4404302001	12.00
2	PRESSURE GAUGE SET	A	4404302002	46.00
3	PRESSURE GAUGE 1/8" 3 KG./CM	A	4404180405	7.00
4	FLAT GASKET 181X112X5	A	4404302004	27.00
5	FILTER LID + GASKET	A	4404161514	251.00
6	LID 'O' RING	A	4404160101	32.00
7	FILTER LID BOLTS	A	4404260211	70.00
8	O' RING 255x4	A	4404020116	13.00
9	20-SCREW NECK RING	A	4404160809	90.00
10	VALVE TOP RING FIXING GASKET	A	4404260106	7.00
11	FILTER LID D. 220 BLACK	A	4404160847	36.00
12	LID FIXING RING	A	4404160849	33.00

The list of spares continues on the next page

FILTRATION

PTK filters 1200 d. 1000-1200

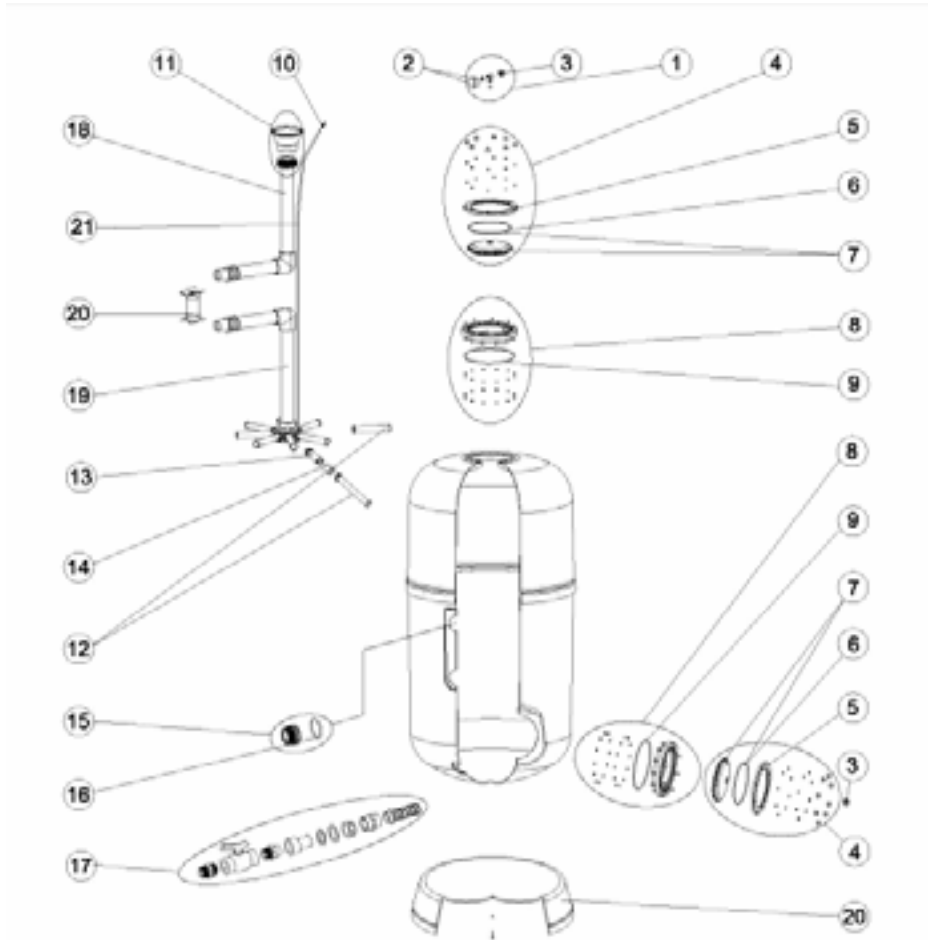


Pos.	Description	Discount group	Code	Unit £
13	DRAIN PLUG AND GASKET	A	4404040113	3.00
14	O' RING D. 110,5X5,6	A	4404301916	12.00
15	FILTER VISOR WITH GASKET	A	4404161510	32.00
16	WATER PURGE 3/8"	A	4404010108	11.00
17	2 1/2" - D.75 OUTLET ASSEMBLY	A	4404302701	66.00
18	3 PIECE CONNECTION 75	A	4404302702	30.00
19	CONCAVE GASKET 2 1/2"	A	4404190112	15.00
20	GASKET 2 1/2"	A	4404302703	7.00
21	KIT INLET/OUTLET	A	4404161453	172.00
22	FLANGE FITTING 90 + FITTING	A	4404160111	70.00
23	LATERAL ASSEMBLY 650mm 1.2m BED	A	PL65012	15.20
23	LATERAL ASSEMBLY 800mm 1.2m BED	A	PL80012	58.80
24	LATERAL ASSEMBLY 1000mm 1.2m BED	A	PL100012	133.20
25	LATERAL ASSEMBLY 1200mm 1.2m BED	A	PL120012	330.20
26	AIR PURGE	A	4404040108	2.20
27	DIFFUSER CONE D. 75	A	4404190324	16.00
27	DIFFUSER D.110 8 OUTLETS	A	4404190324	16.00
28	DIFFUSER ASSEMBLY PTK 1200 D.1000	A	4404260220	431.00
28	DIFFUSER ASSEMBLY PTK 1200 D.1200	A	4404260221	421.00
29	COLLECTOR ASSEMBLY PTK 1200 D.1000	A	4404260222	589.00
29	COLLECTOR ASSEMBLY PTK 1200 D.1200	A	4404260401	53.00

FILTRATION

Artic filters d. 500-650-800-950

CODES: 34029, 34030, 34031, 41187



Pos.	Description	Discount group	Code	Unit £
1	COMPLETE PRESSURE GAUGE UNIT	A	4404180404	27.00
2	PRESSURE GAUGE 1/8" 3 KG./CM	A	4404180405	7.00
3	CAP	A	4404130107	4.00
4	SET LID	A	4404303002	52.00
5	LID FIXING RING	A	4404160849	33.00
6	VALVE TOP RING FIXING GASKET	A	4404260106	7.00
7	FILTER LID D. 220 BLACK	A	4404160847	36.00
8	20-SCREW NECK RING	A	4404160809	90.00
9	O' RING 255X4	A	4404020116	13.00
10	AIR PURGE	A	4404040108	2.20
11	DIFFUSER CONE D. 50	A	4404301004	11.00
11	DIFFUSER CONE D. 63	A	4404300910	23.00

The list of spares continues on the next page

FILTRATION

Artic filters d. 500-650-800-950

CODES: 34029, 34030, 34031, 41187

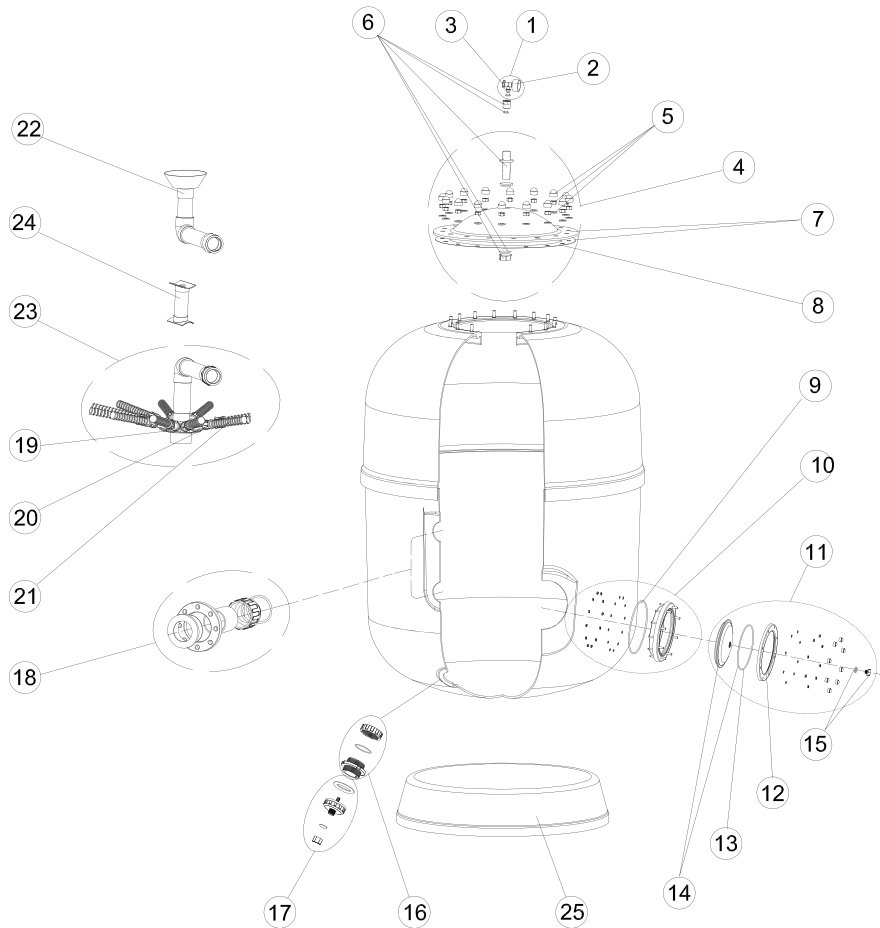


Pos.	Description	Discount group	Code	Unit £
11	DIFFUSER CONE D. 75	A	4404190324	16.00
12	LATERAL SET FOR 650mm, 1m BED	A	ARL650	15.20
12	LATERAL SET FOR 800mm 1m BED	A	ARL800	22.80
13	LATERAL SET FOR 950mm, 1m BED	A	ARL950	58.80
14	LATERAL SET FOR 1200mm, 1m BED	A	ARL1200	81.00
15	O' RING D. 60x8	A	4404040115	5.00
15	O' RING D. 70X5	A	4404040211	9.00
16	FITTING 1 1/2" + O'RING	A	4404040103	16.00
16	FITTING 2" + O'RING	A	4404040112	16.00
16	FITTING 2 1/2" + O'RING	A	4404290108	20.00
17	DRAIN SET	A	4404303004	58.00
18	DIFFUSER ASSEMBLY D.500	A	4404010244	34.00
18	DIFFUSER ASSEMBLY D.650	A	4404010245	75.00
18	DIFFUSER ASSEMBLY D. 800 2"	A	4404010246	67.00
18	DIFFUSER ASSEMBLY D.950 2 1/2"	A	4404010247	145.00
19	COLLECTOR ASSEMBLY D.500	A	4404010248	89.00
19	COLLECTOR ASSEMBLY D.650	A	4404010249	96.00
19	COLLECTOR ASSEMBLY D.800	A	4404010250	116.00
19	COLLECTOR ASSEMBLY D.950 2 1/2"	A	4404010251	191.00
22	BASE D 500	A	4404010134	45.00
22	BASE D 650	A	4404010241	51.00
22	BASE D 800	A	4404010242	106.00
22	BASE D 950	A	4404010293	387.00

FILTRATION

Artic filters d. 1050-1200

CODES: 41188, 41189



Pos.	Description	Discount group	Code	Unit £
1	COMPLETE PRESSURE GAUGE UNIT	A	4404080104	24.00
2	PRESSURE GAUGE 1/8" 3 KG./CM	A	4404010103	23.00
3	CAP	A	4404130107	4.00
4	FILTER LID UNIT	A	4404260207	401.00
5	FILTER LID BOLTS	A	4404260211	70.00
6	PRESSURE GAUGE ANCHOR	A	4404260210	32.00
7	FILTER LID + GASKET	A	4404260208	246.00
8	LID 'O' RING	A	4404160101	32.00
9	O' RING 255X4	A	4404020116	13.00
10	20-SCREW NECK RING	A	4404160809	90.00
11	SET LID	A	4404303002	52.00

The list of spares continues on the next page

FILTRATION

Artic filters d. 1050-1200

CODES: 41188, 41189

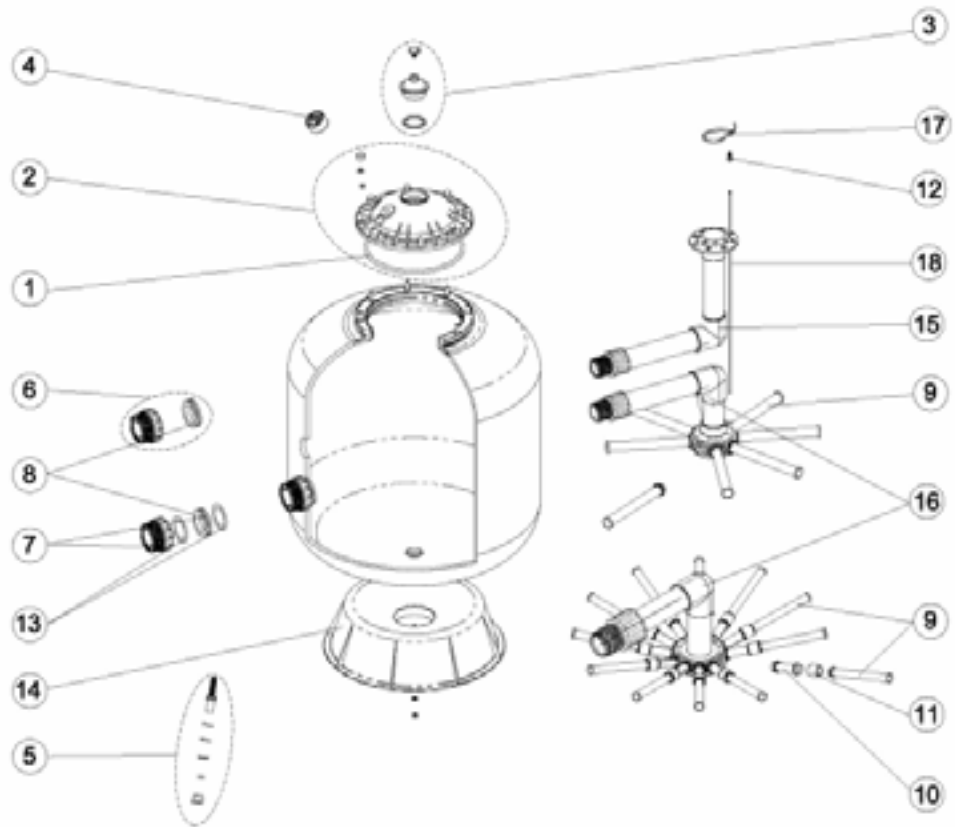


Pos.	Description	Discount group	Code	Unit £
12	LID FIXING RING	A	4404160849	33.00
13	VALVE TOP RING FIXING GASKET	A	4404260106	7.00
14	TRANSPARENT LID D.220 + 'O' RING	A	4404190303	35.00
15	CAP	A	4404290101	7.00
16	BUSH FOR DISCHARGE	A	4404260501	20.00
17	SAND PURGE 2"	A	4404180114	19.00
18	90mm OUTLET ASSEMBLY	A	4404260218	102.00
18	110mm OUTLET ASSEMBLY	A	4404260412	154.00
19	LATERAL SET 650mm, 1.2m BED	A	RL65012	15.20
20	LATERAL SET 800mm, 1.2m BED	A	RL80012	22.80
21	LATERAL SET 950mm, 1.2m BED	A	RL95012	58.80
21	LATERAL SET 1200mm, 1.2m BED	A	RL120012	81.00
22	DIFFUSER ASSEMBLY D. 90	A	4404160278	246.00
22	DIFFUSER ASSEMBLY D. 110	A	4404160279	338.00
23	COLLECTOR ASSEMBLY D. 90	A	4404160274	256.00
23	COLLECTOR ASSEMBLY D. 110	A	4404160275	390.00
24	COLLECTOR SUPPORT - DIFUSOR D. 1050	A	4404260401	53.00
24	COLLECTOR SUPPORT - DIFUSOR D. 1200	A	4404260402	79.00
25	FILTER BASE D. 1050	A	20070R0151	490.00
25	FILTER BASE D. 1200	A	20068R0151	587.00

FILTRATION

Berlin filter side outlet d. 500 - 600 - 750

CODES: 00541-00542-00543



Pos.	Description	Discount group	Code	Unit £
1	LID GASKET	A	4404070101	13.00
2	FILTER LID	A	4404070102	61.00
3	AIR RELIEF SIGHT GLASS	A	4404070103	16.00
4	PRESSURE GAUGE 1/8" 3 KG./CM"	A	4404010103	23.00
5	DRAINAGE STRAINER NOZZLE 3/8"	A	4404070105	12.00
6	1 1/2" FITTING + GASKET	A	4404020103	28.00
7	2" FITTING + GASKET	A	4404020203	20.00
8	CONCAVE GASKET 1 1/2"	A	4404020112	9.00
8	CONCAVE GASKET 2"	A	4404020211	11.00
9	LATERAL SET 500mm	A	B500	14.80
9	LATERAL SET 600mm	A	B600	14.80
10	LATERAL SET 750mm	A	B750	68.40

The list of spares continues on the next page

FILTRATION

Berlin filter side outlet d. 500 - 600 - 750

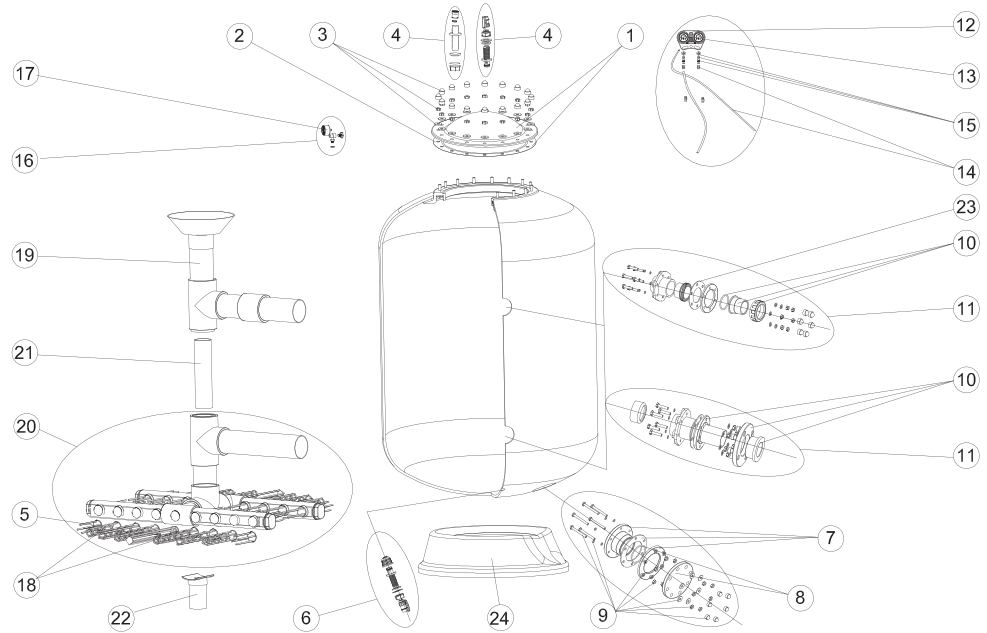
CODES: 00541-00542-00543



Pos.	Description	Discount group	Code	Unit £
12	AIR PURGE	A	4404040108	2.20
13	FITTING + OUTLET GASKET 2"	A	4404070113	14.00
14	BASE D 500-600	A	4404010050	42.00
14	BASE D 750	A	4404010041	74.00
15	DIFFUSOR ASSEMBLY D. 500	A	4404010042	23.00
15	DIFFUSOR ASSEMBLY D. 600	A	4404010043	31.00
15	DIFFUSOR ASSEMBLY D. 750	A	4404010044	49.00
16	COLLECTOR ASSEMBLY BERLIN D. 500 1"	A	4404010045	33.00
16	COLLECTOR ASSEMBLY BERLIN D. 600 1"	A	4404010046	38.00
16	COLLECTOR ASSEMBLY BERLIN D. 750 1"	A	4404010047	82.00

FILTRATION

Praga filter



Pos.	Description	Discount group	Code	Unit £
1	FILTER LID + GASKET	A	4404160102	336.00
2	LID 'O' RING	A	4404160101	32.00
3	FILTER LID BOLTS	A	4404160103	38.00
4	PRESSURE GAUGE ANCHOR	A	4404260210	32.00
4	AIR PURGE 3/4"	A	4404160106	19.00
5	LATERAL SET 1050 mm, 75 mm	A	PL1050	141.10
5	LATERAL SET 1200 mm, 75 mm	A	PL1200	141.10
5	LATERAL SET 1400 mm, 90 mm	A	PL1400	131.20
5	LATERAL SET 1600 mm, 110 mm	A	PL1600	292.30
5	LATERAL SET 1800 mm, 110 mm	A	PL1800	292.30
5	LATERAL SET 2000 mm, 125 mm	A	PL2000	487.60
6	WATER PURGE 3/4"	A	4404160109	32.00
7	SAND PURGE 90	A	4404160107	85.00
7	SAND PURGE 140	A	4404160405	59.00
8	BLANK FLANGE 90 + GASKET (UPTO 1400 mm)	A	4404160108	53.00
8	BLANK FLANGE 140 + GASKET (FROM 1600 mm)	A	4404160406	89.00
9	SCREW SET SAND DISCHARGE D.90	A	4404161449	86.00

The list of spares continues on the next page

FILTRATION

Praga filter

CODES: 00687 TO 00692 - 00696 TO 00699 - 00702 - 00703 - 00705

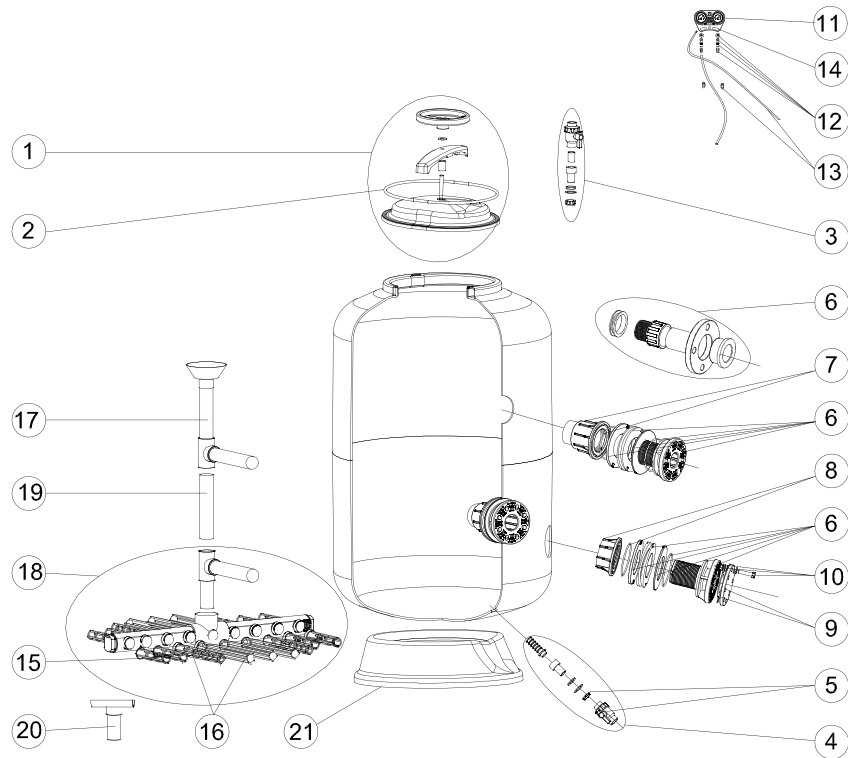


Pos.	Description	Discount group	Code	Unit £
9	SCREW SET SAND DISCHARGE D.140	A	4404160147	54.00
10	3 PIECE CONNECTION 63	A	4404070206	20.00
10	FLANGE FITTING 75	A	4404160110	32.00
10	FLANGE FITTING 90	A	4404160111	70.00
10	FLANGE FITTING 110	A	4404160113	176.00
10	FLANGE FITTING 125	A	4404160509	151.00
10	FLANGE FITTING 140	A	4404160515	103.00
10	FLANGE FITTING 160	A	4404160610	83.00
11	KIT INLET/ONTLET D.75-1050-1200	A	4404161451	107.00
11	KIT INLET/ONTLET D.90-1400	A	4404161453	172.00
11	KIT INLET/ONTLET D.110-1400	A	4404161454	191.00
11	KIT INLET/ONTLET D.110-1600-1800	A	4404161456	208.00
11	KIT INLET/ONTLET D.125-2000	A	4404161457	299.00
11	KIT INLET/ONTLET D.125-2000	A	4404161459	342.00
12	PRESSURE GAUGE PANEL BODY	A	4404170105	4.00
13	PRESSURE GAUGE 3 BAR	A	4404170102	62.00
14	PRESSURE FITTINGS + TUBE	A	4404170104	9.00
15	AIR BLEED ASSEMBLY	A	4404170103	12.00
16	COMPLETE PRESSURE GAUGE UNIT	A	4404080104	24.00
17	PRESSURE GAUGE 1/8" 3 KG./CM	A	4404010103	23.00
19	DIFFUSOR ASEMBLY D. 1050-75	A	4404160080	71.00
19	DIFFUSOR ASSEMBLY D. 1200-75	A	4404160082	90.00
19	DIFFUSOR ASSEMBLY D. 1400-90	A	4404160085	251.00
19	DIFFUSER ASSEMBLY 1600-110	A	4404160088	395.00
19	DIFFUSER ASSEMBLY 1800-110	A	4404160091	473.00
19	DIFFUSOR ASSEMBLY 2000 125	A	4404160095	395.00
23	GASKET OUTLET D. 63 - 75	A	4404160144	24.00
24	FILTER BASE D. 1050	A	00687R0101	306.00
24	FILTER BASE D. 1200	A	00546R0101	891.00
24	FILTER BASE D. 1400	A	00689R0101	1,088.00
24	FILTER BASE D. 1600	A	00690R0101	531.00
24	FILTER BASE D. 1800	A	00691R0101	646.00
24	FILTER BASE D. 2000	A	00692R0101	681.00

The list of spares continues on the next page

FILTRATION

Vic filter



Pos.	Description	Discount group	Code	Unit £
1	FILTER LID	A	4404161601	616.00
2	LID GASKET	A	4404161602	32.00
3	AIR PURGE 1"	A	4404161603	65.00
4	WATER PURGE 1"	A	4404161604	63.00
5	UNIBLOCK VALVE 1"	A	4404161605	31.00
6	INLET/OUTLET ASSEMBLY SAND 75/90	A	4404161606	208.00
6	INLET/OUTLET ASSEMBLY 110/125	A	4404161607	264.00
6	INLET/OUTLET ASSEMBLY 140/160	A	4404161608	409.00
7	INNER FITTING 75/90	A	4404161609	90.00
7	INNER FITTING 110/125	A	4404161610	139.00
7	INNER FITTING 140/160	A	4404161611	171.00
8	NUT UNLOAD SAND	A	4404161612	123.00

The list of spares continues on the next page

FILTRATION

Vic filter

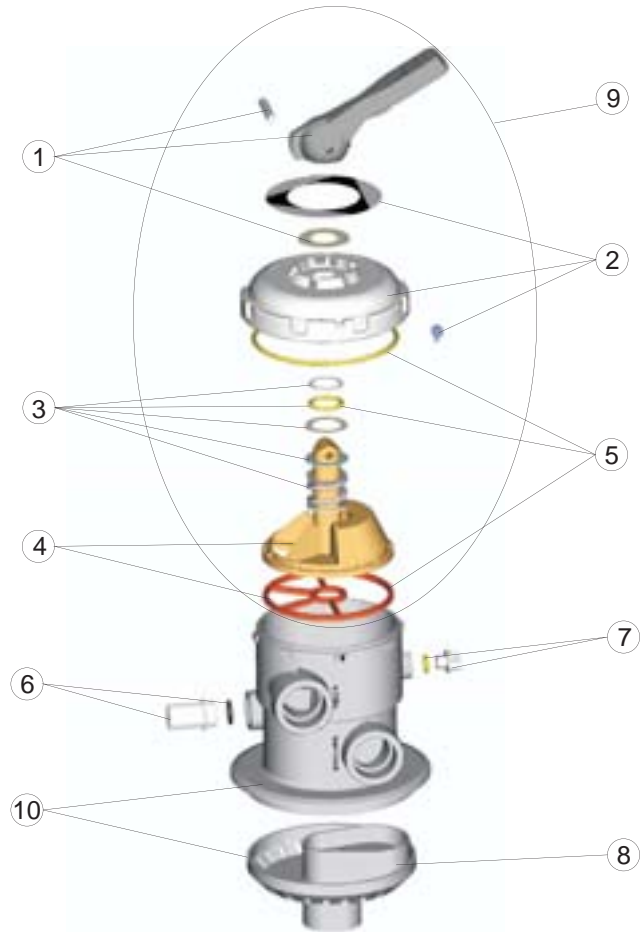


Pos.	Description	Discount group	Code	Unit £
9	BLANK FLANGE + GASKET	A	4404161613	58.00
10	BLANK FLANGE SCREWS	A	4404161614	53.00
11	PRESSURE GAUGE 3 BAR	A	4404170102	62.00
12	AIR BLEED ASSEMBLY	A	4404170103	12.00
13	PRESSURE FITTINGS + TUBE	A	4404170104	9.00
14	PRESSURE GAUGE PANEL BODY	A	4404170105	4.00
15	LATERAL ASSEMBLY 1050 75	A	VL1050	140.90
15	LATERAL ASSEMBLY 1200 75	A	VL1200	155.00
15	LATERAL ASSEMBLY 1400 90	A	VL1400	218.00
15	LATERAL ASSEMBLY 1600 110	A	VL1600	355.60
15	LATERAL ASSEMBLY 1800 110.	A	VL1800	389.00
15	LATERAL ASSEMBLY 2000 125	A	VL2000	435.00
17	DIFFUSOR OUTLET SET D 75 - 1050	A	4404160138	106.00
17	DIFFUSOR OUTLET SET D 75 - 1200	A	4404160140	108.00
17	DIFFUSOR OUTLET SET D 90 - 1400	A	4404160143	153.00
17	DIFFUSOR OUTLET SET D 110 - 1600	A	4404160148	201.00
17	DIFFUSOR OUTLET SET D 110 - 1800	A	4404160151	238.00
17	DIFFUSOR OUTLET SET D 125 - 2000	A	4404160155	254.00
18	COLLECTOR OUTLET SET D 75 - 1050	A	4404160159	401.00
18	COLLECTOR OUTLET SET D 75 - 1200	A	4404160161	74.00
18	COLLECTOR OUTLET SET D 90 - 1400	A	4404160164	251.00
18	COLLECTOR OUTLET SET D 110 - 1600	A	4404160167	584.00
18	COLLECTOR OUTLET SET D 110 - 1800	A	4404160170	177.00
18	COLLECTOR OUTLET SET D 125 - 2000	A	4404160174	980.00
21	FILTER BASE D. 1050	A	00687R0101	306.00
21	FILTER BASE D. 1200	A	00546R0101	891.00
21	FILTER BASE D. 1400	A	00689R0101	1,088.00
21	FILTER BASE D. 1600	A	00690R0101	531.00
21	FILTER BASE D. 1800	A	00691R0101	646.00
21	FILTER BASE 2000	A	00692R0101	681.00

FILTRATION

Multiport valve 1 1/2" top

CODES: 20565

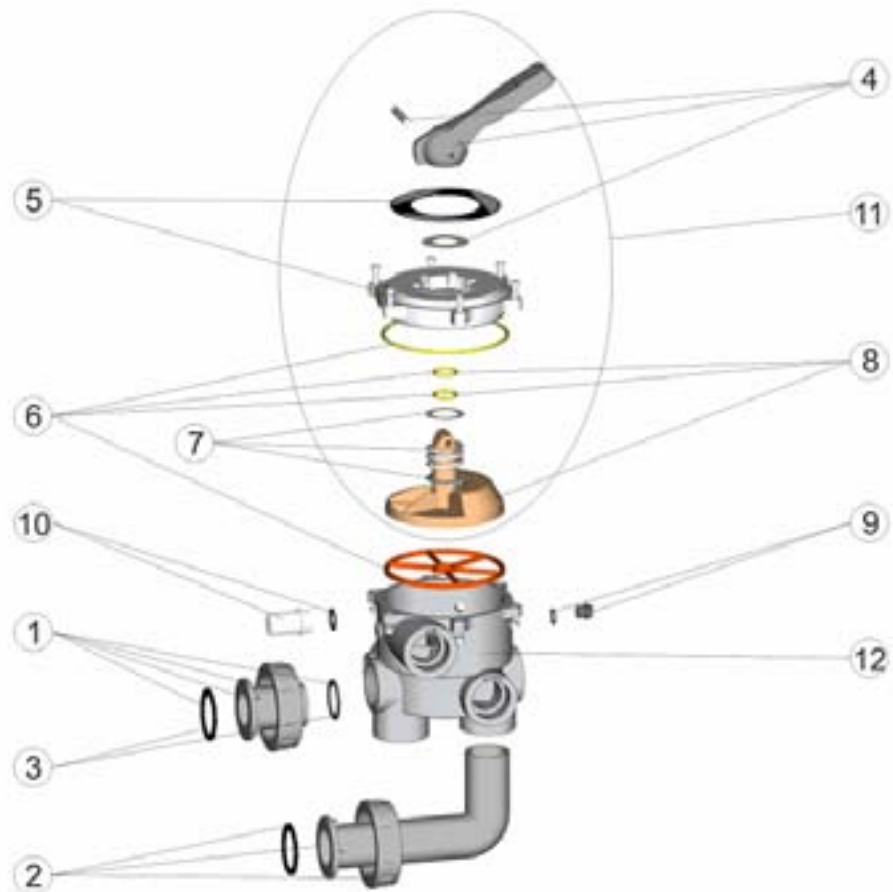


Pos.	Description	Discount group	Code	Unit £
1	BLACK HANDLE 1 1/2"-2"	A	4404120102	12.00
2	TOP	A	4404121102	21.00
3	SPRING	A	4404121103	15.00
4	DISTRIBUTOR WITH GASKETS	A	4404121104	26.00
5	GASKETS 1 1/2"	A	4404121105	11.00
6	VISOR WITH SEAL	A	4404120108	5.00
7	PLUG 1/4"	A	4404121107	3.00
8	DIFFUSER	A	4404121408	13.00
9	UPPER PART 1 1/2" BAYONET CLOSING BLACK	A	4404121110	86.00
10	VALVE BODY 1 1/2"	A	20565R0100	POA

FILTRATION

Multiport valve

CODES: 00599

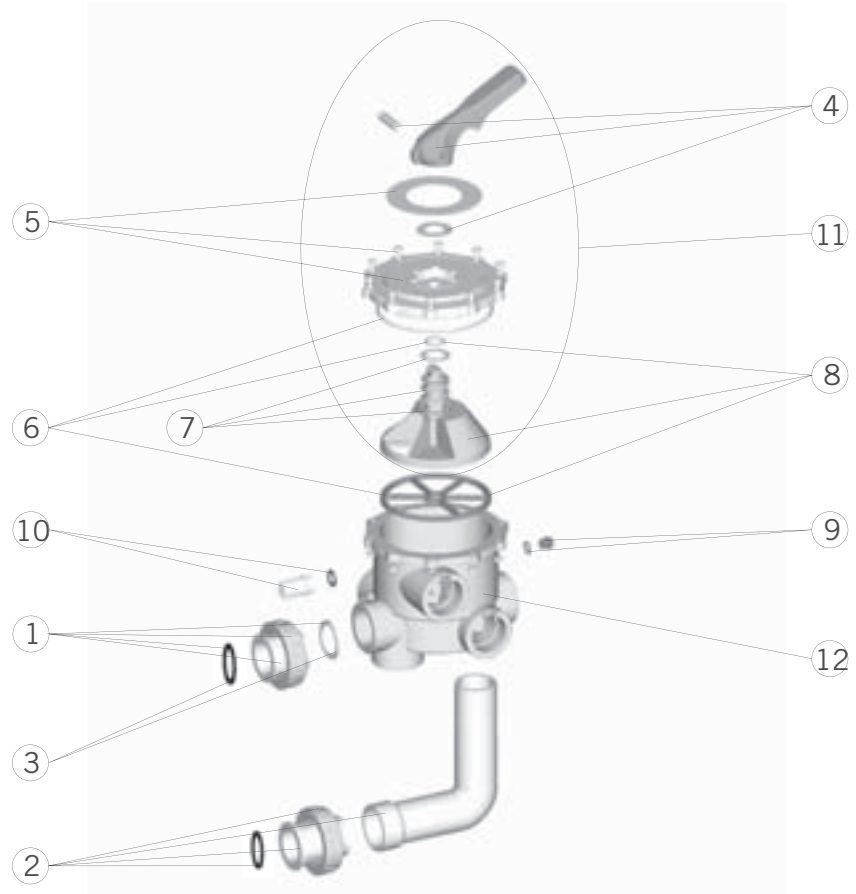


Pos.	Description	Discount group	Code	Unit £
1	UNION BLACK 1 1/2" NEW	A	4404120202	30.00
2	ELBOW BLACK 1 1/2" NEW	A	4404120204	32.00
3	UNION SEALS 1 1/2"	A	4404120205	8.00
4	HANDLE 1 1/2"	A	4404120102	12.00
5	TOP 1 1/2"	A	4404120103	28.00
6	GASKETS 1 1/2"	A	4404120107	15.00
7	SPRING WITH WASHERS	A	4404120105	15.00
8	DISTRIBUTOR WITH GASKETS 1 1/2"	A	4404120106	34.00
9	PLUG 1/4"	A	4404120109	4.00
10	VISOR WITH SEAL	A	4404120108	5.00
11	TOP ASSEMBLY BLACK 1 1/2" NEW	A	4404120110	65.00
12	BLACK SELECTOR VALVE 1 1/2" POS. 3"	A	00598R0101	61.00

FILTRATION

Multiport valve 2"

CODES: 07444

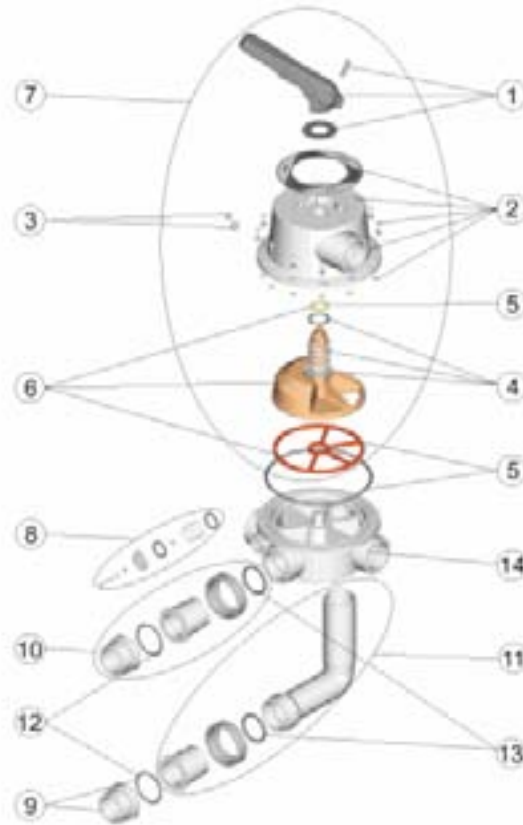


Pos.	Description	Discount group	Code	Unit £
1	UNION BLACK 2"	A	4404120502	29.00
2	ELBOW BLACK 2"	A	4404120504	37.00
3	UNION SEALS 2"	A	4404120505	8.00
4	BLACK HANDLE 2"	A	4404120402	13.00
5	BLACK TOP 2"	A	4404120403	36.00
6	GASKETS 2"	A	4404120407	24.00
7	SPRING WITH WASHERS	A	4404120105	15.00
8	DISTRIBUTOR WITH GASKETS 2"	A	4404120406	52.00
9	PLUG 1/4"	A	4404121107	3.00
10	VISOR WITH SEAL	A	4404120108	5.00
11	TOP ASSEMBLY BLACK 2" NEW	A	4404120410	106.00
12	BLACK SELECTOR VALVE BODY WITH FITTING	A	07444R0101	93.00

FILTRATION

Multiport valve 2 1/2"

CODES: 24837-00613

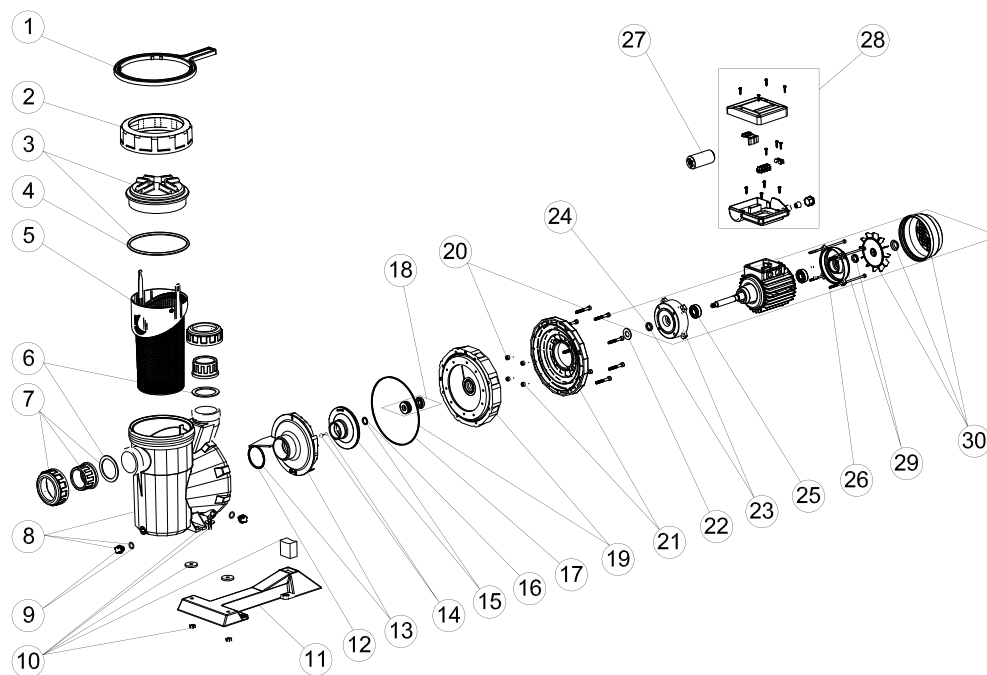


Pos.	Description	Discount group	Code	Unit £
1	HANDLE 2 1/2"	A	4404120701	37.00
2	VALVE BODY 2 1/2"	A	4404121302	149.00
3	PLUG 1/4"	A	4404120109	4.00
4	SPRING WITH WASHERS 2 1/2"	A	4404120703	33.00
5	GASKETS 2 1/2"	A	4404120705	34.00
6	DISTRIBUTOR WITH GASKETS 2 1/2"	A	4404120704	82.00
7	TOP ASSEMBLY 2 1/2" BLACK"	A	4404121310	307.00
8	VISOR COMPLETE	A	4404120706	15.00
9	EXTERNAL UNION 75 WITH SEAL	A	4404121002	11.00
10	UNION 2 1/2"	A	4404121308	52.00
11	ELBOW 2 1/2"	A	4404121309	70.00
12	GASKET 2 1/2"	A	4404121301	5.00
13	INLET GASKET 72X61X3,5	A	4404121303	5.00
14	VALVE BODY 2 1/2"	A	24837R0101	POA

PUMPS

Astral Victoria Plus pump

CODES: 38769 to 38780



Pos.	Description	Discount group	Code	Unit £
1	LID SPANNER	A	4404130103	15.00
2	PRE-FILTER COVER NUT	A	4404130101	21.00
3	LID AND O'RING	A	4405010702	46.00
4	O' RING D 151,7x6,99	A	4405010178	24.00
5	PRE-FILTER BASKET	A	4405010105	24.00
6	INLET GASKET 72x55x2,5	A	4405010179	3.00
7	METRIC UNION FITTINGS <= 1 HP	A	4405010106	24.00
7	METRIC UNION FITTINGS 1,5 HP - 2 HP	A	4405010107	21.00
7	METRIC UNION FITTINGS 3 HP	A	4405010108	50.00
8	PUMP HOUSING	A	4405010109	198.00
9	DRAIN PLUG ¼"	A	4405010110	4.00
10	BASE FITTINGS	A	4405010206	73.00
10	BASE FITTINGS 2 HP - 3 HP	A	4405010113	17.00
10	BASE FITTINGS 3 HP II	A	4405010180	15.00
11	Base 1/2HP - 1HP	A	4405010207	28.00
11	BASE 1.5HP - 3HP	A	4405010114	37.00
12	O' RING D. 56,7x3,5	A	4405010161	3.00
13	DIFFUSOR <=0,75 HP	A	4405010115	41.00
13	DIFFUSOR 1 HP - 2 HP	A	4405010116	41.00

The list of spares continues on the next page

PUMPS



Astral Victoria Plus pump

CODES: 38769 to 38780

Pos.	Description	Discount group	Code	Unit £
13	DIFFUSOR 3HP	A	4405010117	30.00
14	IMPELLER COVER M8 LEFT	A	4405010134	16.00
15	IMPELLER 0,5 HP II 50 Hz	A	4405010591	82.00
15	IMPELLER 0,5 HP III 50 Hz	A	4405010592	85.00
15	IMPELLER 0,75 HP II 50 Hz	A	4405010593	79.00
15	IMPELLER 0,75 HP III 50 Hz	A	4405010594	83.00
15	IMPELLER 1 HP II 50 Hz	A	4405010595	81.00
15	IMPELLER 1 HP III 50 Hz	A	4405010596	83.00
15	IMPELLER 1,5 HP II 50 Hz	A	4405010597	80.00
15	IMPELLER 1,5 HP III 50 Hz	A	4405010598	86.00
15	IMPELLER 2 HP II 50 Hz	A	4405010599	69.00
15	IMPELLER 2 HP III 50 Hz	A	4405010600	87.00
15	IMPELLER 3 HP II 50 Hz	A	4405010601	90.00
15	IMPELLER 3 HP III 50 Hz	A	4405010602	98.00
16	DEFLECTOR WASHER (1/2-3/4-1-1,5-2 HP)	A	4405010162	4.00
17	MOTOR CLAMP GASKET	A	4405010160	4.00
18	MECHANICAL SEAL	A	4405010118	25.00
19	MECHANICAL SEAL PLATE	A	4405010132	61.00
20	FLANGE SCREWS	A	4405010133	15.00
21	MOTOR CLAMP <= 1 HP	A	4405010130	34.00
21	MOTOR CLAMP 1,5 HP - 3HP	A	4405010131	34.00
22	DEFLECTOR WASHER C.71 1/2-1 HP	A	4405010163	4.00
22	DEFLECTOR WASHER C.80 1,5-3 HP	A	4405010164	4.00
23	FRONT MOTOR COVER 0,5 HP	A	4405010137	61.00
23	FRONT MOTOR COVER 0,75 - 1 HP	A	4405010138	58.00
23	FRONT MOTOR COVER 1,5 - 2 - 3 HP III	A	4405010139	50.00
24	V-RINGS 0,5 HP - 1 HP	A	4405010158	9.00
24	V-RINGS 1,5 HP - 3 HP	A	4405010159	9.00
24	V-RINGS VA-25 3 HP II	A	4405010176	8.00
25	MOTOR BEARINGS < 1 HP	A	4405010135	52.00
25	MOTOR BEARINGS 1,5 HP - 3 HP	A	4405010136	58.00
26	MOTOR TIES C. 63	A	4405010143	15.00
26	MOTOR TIES 0,75 - 1 HP	A	4405010144	23.00
26	MOTOR TIES 1,5 - 3 HP III	A	4405010145	24.00
26	MOTOR TIES (90) 3 HP II	A	4405010169	8.00
27	CONDENSER 12 uF	A	4405010149	25.00

The list of spares continues on the next page

PUMPS
Astral Victoria Plus pump
CODES: 38769 to 38780

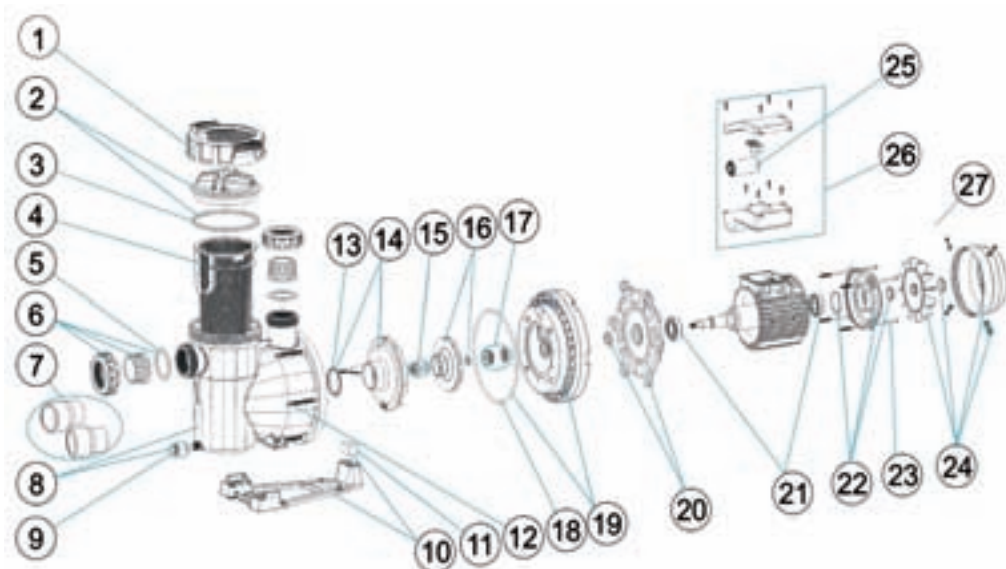

Pos.	Description	Discount group	Code	Unit £
27	CONDENSER 14 uF	A	4405020121	26.00
27	CONDENSER 16 uF	A	4405020122	25.00
27	CONDENSER 18 uF	A	4405010150	50.00
27	CONDENSER 20 uF	A	4405010151	54.00
27	CONDENSER 25 uF	A	4405010152	59.00
27	CONDENSER 32 µF	A	4405010174	33.00
27	CONDENSER 40 µF	A	4405010175	41.00
27	CONDENSER 35 uF	A	4405010153	33.00
28	TERMINAL BOX ASSEMBLY 1/2 HP - 1 HP II	A	4405010154	27.00
28	TERMINAL BOX ASSEMBLY 1.2 HP - 2 HP II	A	4405010155	16.00
28	TERMINAL BOX COVER 1/2 HP - 1 HP III	A	4405010156	14.00
28	TERMINAL BOX ASSEMBLY 1.5 HP - 3 HP III	A	4405010157	14.00
29	REAR MOTOR COVER 1/3 - 1/2 HP	A	4405010140	24.00
29	REAR MOTOR COVER 3/4 - 1 HP	A	4405010141	46.00
29	REAR MOTOR COVER 1,5 - 3 HP III	A	4405010142	25.00
30	FAN COVER ASSEMBLY 0,5 HP	A	4405010146	25.00
30	FAN COVER ASSEMBLY 0,75 - 1 HP	A	4405010147	25.00
30	FAN COVER ASSEMBLY 1,5 - 2 - 3 HP III	A	4405010148	28.00
30	FAN COVER ASSEMBLY 3 HP II	A	4405010170	50.00

PUMPS



Astral Victoria Plus New Generation pump

CODES: 65557 to 65570



Pos.	Description	Discount group	Code	Unit £
1	PRE-FILTER COVER NUT	A	4405010585	41.00
2	PRE-FILTER COVER	A	4405010702	46.00
3	LID O RING	A	4405010178	24.00
4	PREFILTER BASKET	A	4405010105	24.00
5	INLET GASKET	A	4405010179	3.00
6	UNION FITTINGS 50MM 0.5HP - 1HP (PLS ASK FOR IMPERIAL)	A	4405010106	24.00
6	UNION FITTINGS 63MM 1.5HP - 3HP (PLS ASK FOR IMPERIAL)	A	4405010107	21.00
6	CONICAL FITTINGS 3HP ONLY	A	4405010717	28.00
8	PUMP HOUSING	A	4405010586	237.00
9	DRAIN PLUG	A	4405010587	15.00
10	PUMP BASE 0.5HP - 1HP	A	4405010588	61.00
10	PUMP BASE 1.5HP - 3HP	A	4405010492	93.00
11	PUMP BASE FITTINGS 0.5HP - 1HP	A	4405010112	14.00
11	PUMP BASE FITTINGS 1.5HP - 3HP	A	4405010113	17.00
12	BODY FIXING SCREW	A	4405010590	76.00
13	DIFFUSOR O RING	A	4405010161	3.00
14	DIFFUSOR 0.5HP - 0.75HP	A	4405010115	41.00
14	DIFFUSOR 1HP - 2HP	A	4405010116	41.00
14	DIFFUSOR 3HP	A	4405010117	30.00

The list of spares continues on the next page

PUMPS

Astral Victoria Plus New Generation pump

CODES: 65557 to 65570

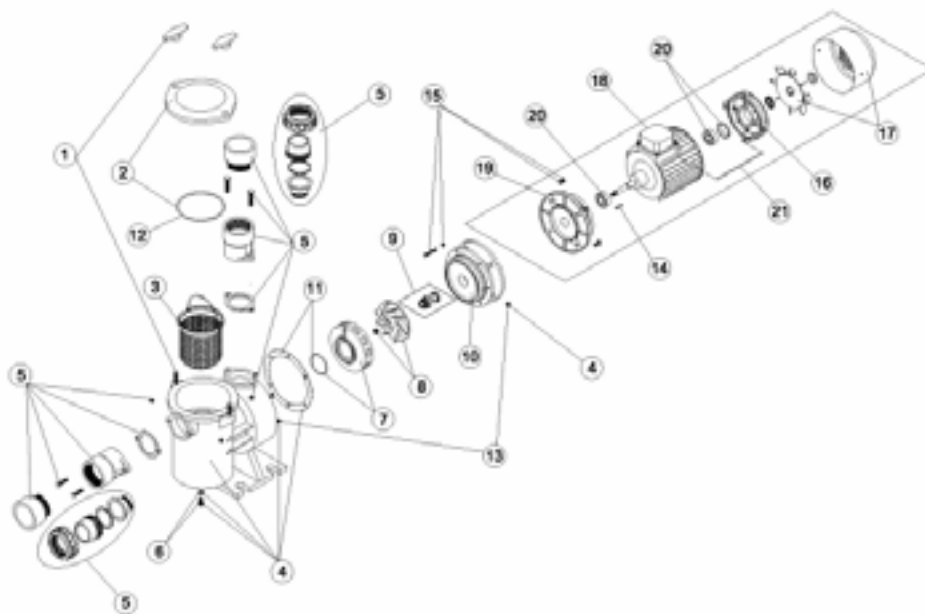

Pos.	Description	Discount group	Code	Unit £
16	IMPELLER 0.5HP II	A	4405010591	82.00
16	IMPELLER 0.5HP III	A	4405010592	85.00
16	IMPELLER 0.75HP II	A	4405010593	79.00
16	IMPELLER 0.75HP III	A	4405010594	83.00
16	IMPELLER 1HP II	A	4405010595	81.00
16	IMPELLER 1HP III	A	4405010596	83.00
16	IMPELLER 1.5HP II	A	4405010597	80.00
16	IMPELLER 1.5HP III	A	4405010598	86.00
16	IMPELLER 2HP II	A	4405010599	69.00
16	IMPELLER 2HP III	A	4405010600	87.00
16	IMPELLER 3HP II	A	4405010601	90.00
16	IMPELLER 3HP III	A	4405010602	98.00
17	MECHANICAL SEAL	A	4405010118	25.00
18	BODY O RING	A	4405010487	25.00
19	MECHANICAL SEAL PLATE	A	4405010603	76.00
20	FRONT MOTOR FLANGE 0.5HP-1HP	A	4405010604	178.00
20	FRONT MOTOR FLANGE 1.5HP-2HP	A	4405010607	124.00
20	FRONT MOTOR FLANGE 3HP	A	4405010608	160.00
21	BEARINGS 0.5HP-1HP	A	4405010609	59.00
21	BEARINGS 1.5HP-3HP	A	4405010610	69.00
24	FAN COVER ASSEMBLY 0.5HP-1HP	A	4405010635	99.00
24	FAN COVER ASSEMBLY 1.5HP-3HP (NOT 3HP II)	A	4405010636	89.00
24	FAN COVER ASSEMBLY 3HP II	A	4405010637	44.00
25	CAPACITOR 0.5HP 12UF	A	4405010149	25.00
25	CAPACITOR 0.75HP 14UF	A	4405020121	26.00
25	CAPACITOR 1HP 16UF	A	4405020122	25.00
25	CAPACITOR 1.5HP 18UF	A	4405020150	51.00
25	CAPACITOR 2HP 32UF	A	4405020174	33.00
25	CAPACITOR 3HP 40UF	A	4405010173	39.00
26	TERMINAL BOX ASSEMBLY 0.5HP II - 1HP II	A	4405010154	27.00
26	TERMINAL BOX ASSEMBLY 0.5HP III - 1HP III	A	4405010156	14.00
26	TERMINAL BOX ASSEMBLY 1.5HP II - 3HP II	A	4405012048	52.00
26	TERMINAL BOX ASSEMBLY 1.5HP III - 3HP III	A	4405012051	52.00

PUMPS



Aral SP-3000 self-priming pump

CODES: 01186, 01187, 01188, 01189, 01190, 01191, 01192



Pos.	Description	Discount group	Code	Unit £
1	PRE-FILTER CLOSURE 2HP	A	4405010501	103.00
1	PRE-FILTER CLOSURE FOR 3 HP TO 5.5 HP	A	4405010502	101.00
2	PRE-FILTER COVER 2 HP	A	4405010503	248.00
2	PRE-FILTER COVER 3 HP TO 5.5 HP	A	4405010504	164.00
3	PRE-FILTER BASKET 2 HP	A	4405010505	22.00
3	PRE-FILTER BASKET 3 - 5,5 HP	A	4405010506	42.00
4	PUMP BODY 2 HP	A	4405010507	825.00
4	PUMP BODY 3 - 5,5 HP	A	4405010508	795.00
5	SUCTION/RETURN UNION 2 HP	A	4405010509	23.00
5	SUCTION/RETURN UNION 3 HP	A	4405010510	185.00
5	SUCTION/RETURN UNION 4HP - 5.5HP	A	4405010511	192.00
6	PRE-FILTER DRAIN PLUG	A	4405020232	13.00
7	DIFFUSOR 2 HP	A	4405010513	189.00
7	DIFFUSOR 3 HP	A	4405010514	223.00
7	DIFFUSOR 4 - 5,5 HP	A	4405010515	202.00
8	IMPELLER 2 HP	A	4405010516	245.00
8	IMPELLER 3 HP	A	4405010517	260.00
8	IMPELLER 4 HP	A	4405010518	280.00
8	IMPELLER 5,5 HP	A	4405010519	260.00

The list of spares continues on the next page

PUMPS


Aral SP-3000 self-priming pump

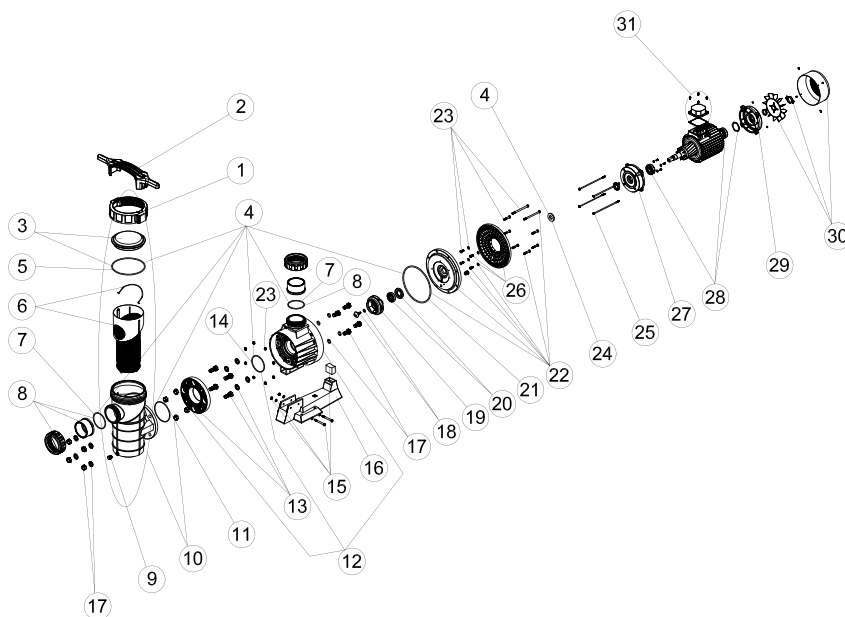
CODES: 01186, 01187, 01188, 01189, 01190, 01191, 01192

Pos.	Description	Discount group	Code	Unit £
9	MECHANICAL SEAL 2-5,5 HP	A	4405010520	73.00
10	MOTOR SUPPORT 2 HP	A	4405010521	308.00
10	MOTOR SUPPORT 3 HP TO 4 HP	A	4405010522	262.00
10	MOTOR SUPPORT 5.5 HP	A	4405010523	326.00
11	PUMP GASKETS 2 HP	A	4405010524	12.00
11	PUMP GASKETS 3 HP TO 5.5 HP	A	4405010525	23.00
12	GASKETS 2 HP	A	4405010526	16.00
12	GASKETS 3 - 5,5 HP	A	4405010527	17.00
13	BACK PLATE SCREWS 3 - 5,5 HP	A	4405010529	26.00
14	MOTOR PIN	A	4405010531	27.00
15	MOTOR BRACKET BOLTS 3 - 4 HP	A	4405010530	35.00
16	REAR MOTOR COVER 2 - 4 HP	A	4405020241	58.00
16	REAR MOTOR COVER 5,5 HP	A	4405020242	177.00
17	FAN + COVER ASSEMBLY FOR 2 HP TO 4 HP	A	4405020244	137.00
17	FAN + COVER ASSEMBLY 5.5 HP	A	4405020245	178.00
18	CONNECTION BOX ASSEMBLY FOR 3 HP TO 4 HP	A	4405020247	40.00
19	FRONT MOTOR COVER 3 - 4 HP	A	4405020252	213.00
19	FRONT MOTOR COVER 4 HP	A	4405020253	313.00
20	BEARINGS 6205 ZZ C3, 2 HP TO 4 HP	A	4405020238	56.00
20	BEARING 6206, 4 HP	A	4405020239	118.00
21	MOTOR SUPPORT	A	4405020320	235.00
21	MOTOR SUPPORT 3 HP TO 5.5 HP	A	4405020250	150.00

PUMPS

Maxim pump

CODES: 08003-08004-08005



Pos.	Description	Discount group	Code	Unit £
1	THREADED LID COLLAR	A	4404180102	19.00
2	KEY FOR PREFILTER NUT	A	4405010379	48.00
3	PRE-FILTER COVER	A	4405010302	36.00
4	GASKETS	A	4405010303	29.00
5	O' RING D 192x5	A	4405010373	8.00
6	PREFILTER BASKET	A	4405010304	63.00
7	SUCTION/RETURN GASKETS	A	4405010375	6.00
8	UNION FITTINGS	A	4405010306	124.00
9	DRAIN PLUG 1/4"	A	4405010110	4.00
9	DRAIN PLUG 3/8"	A	4405010312	4.00
10	PREFILTER ASSEMBLY KIT	A	4405010305	283.00
11	O' RING D 124x3,5	A	4405010377	4.00
12	PUMP BODY 3,5 HP	A	4405010307	161.00
12	PUMP BODY 4,5 HP	A	4405010308	175.00
12	PUMP BODY 5,5 HP	A	4405010309	191.00
13	FLANGE FIXING SCREWS	A	4405010380	114.00
14	O' RING D 100x4	A	4405010376	6.00
15	PUMP BASE FITTINGS <=4,5 HP	A	4405010313	14.00
15	PUMP BASE FITTINGS 5,5 HP	A	4405010314	19.00

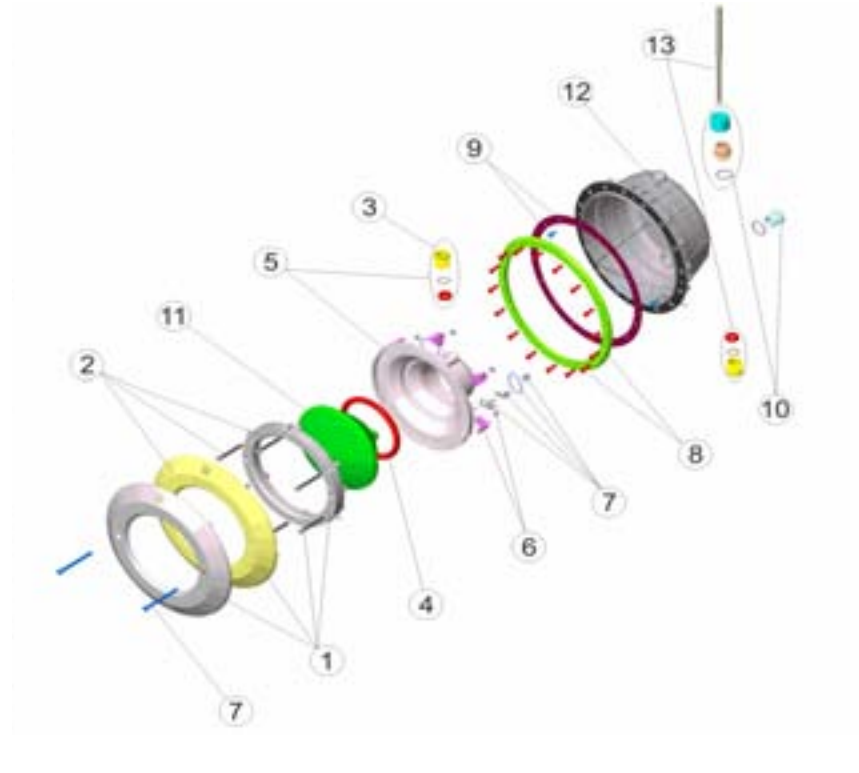
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PUMPS
Maxim pump
CODES: 08003-08004-08005


Pos.	Description	Discount group	Code	Unit £
16	PUMP BASE	A	4405010315	78.00
17	BACK PLATE SCREWS	A	4405010311	74.00
18	IMPELLER COVER	A	4405010338	7.00
19	IMPELLER 3,5 HP III 50 Hz	A	4405010323	38.00
19	IMPELLER 4,5 HP III 50 Hz	A	4405010324	44.00
19	IMPELLER 5,5 HP III 50 Hz	A	4405010325	54.00
20	MECHANICAL SEAL	A	4405010322	127.00
21	O' RING D 226x6	A	4405010378	16.00
22	MECHANICAL SEAL PLATE 3,5 HP	A	4405010334	97.00
22	MECHANICAL SEAL PLATE 4,5 - 5,5 HP	A	4405010335	102.00
23	FLANGE SCREWS	A	4405010337	15.00
24	DEFLECTOR WASHER 24x50x6 4HP	A	4405010374	3.00
25	MOTOR TIES 3,5 - 4,5 HP VAR.	A	4405010361	16.00
25	MOTOR TIES 4,5-5,5 HP VAR.	A	4405010362	21.00
26	MOTOR CLAMP 3,5 HP	A	4405010332	80.00
26	MOTOR CLAMP 4,5 - 5,5 HP	A	4405010333	117.00
27	FRONT MOTOR COVER 2,5-3 HP (BONORA)	A	4405010369	152.00
27	FRONT MOTOR COVER 4,5-5,5 HP	A	4405030121	218.00
27	FRONT MOTOR COVER 2,5-3 HP (VERNIS)	A	4405010381	48.00
28	MOTOR BEARINGS 5,5 HP MERC.	A	4405010342	90.00
28	BEARINGS ASSEMBLY 6205 2RS 3,5HP	A	4405010171	78.00
29	REAR MOTOR COVER 3,5 HP (BONORA)	A	4405010367	50.00
29	REAR MOTOR COVER 4,5-5,5 HP	A	4405030117	56.00
29	REAR MOTOR COVER 2,5-3-3,5 HP (VERNIS)	A	4405010382	32.00
30	FAN + COVER ASSEMBLY 3.5 HP (BONORA)	A	4405010368	102.00
30	FAN COVER ASSEMBLY 3,5 (VERNIS)	A	4405010383	50.00
30	FAN COVER ASSEMBLY 4,5-5,5 HP	A	4405010384	118.00
31	CONNECTION BOX ASSEMBLY 2,5-3-4,5 HP (BON-VER)	A	4405030119	44.00

POOL LIGHTING & ORNAMENTAL FEATURES

Underwater Light 300W

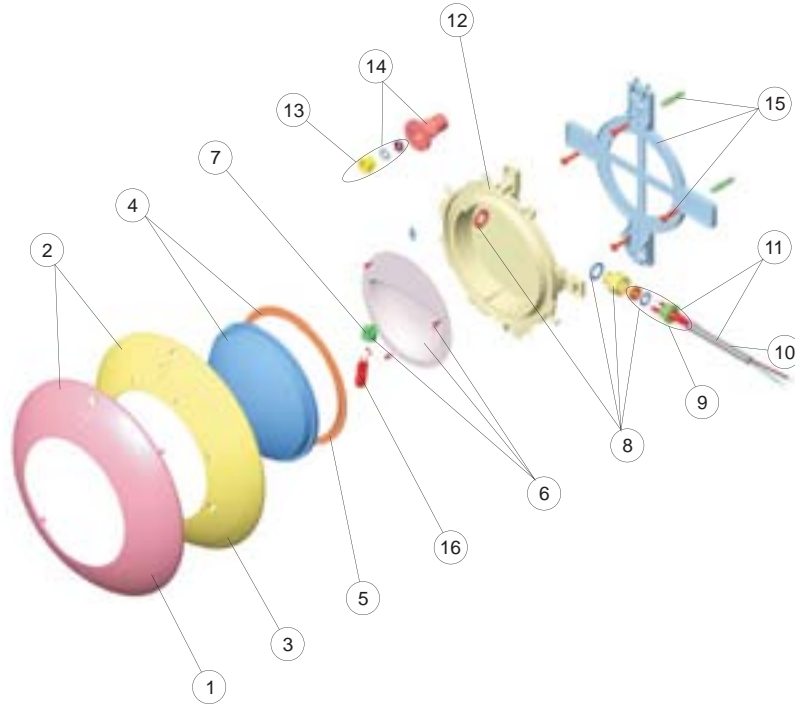


Pos.	Description	Discount group	Code	Unit £
1	S.S. FACEPLATE AND SECURING RING 8	A	4403010301	67.00
2	WHITE FACEPLATE	A	4403010302	31.00
3	PACKING GLAND M-25	A	4403010312	4.00
4	LIGHT O RING	A	4403010304	20.00
5	BACK COVER	A	4403010305	38.00
6	LIGHT FIXING CLIP	A	4403010306	8.00
7	FIXING SET UNDERWATER LIGHT	A	4403015002	21.00
8	LIGHT RIM	A	4403012411	25.00
9	LIGHT ADHESIVE GASKET	A	4403012412	28.00
10	BODY PACKING GLAND M-25	A	4403010313	6.00
11	LIGHTBULB	A	00370	57.00

POOL LIGHTING & ORNAMENTAL FEATURES

Flat underwater Light

CODES: 21626-35666



Pos.	Description	Discount group	Code	Unit £
1	STAINLESS STEEL FACEPLATE	A	4403012304	62.00
2	FACEPLATE SET	A	4403012301	79.00
3	ABS FACEPLATE	A	4403011901	25.00
4	CLEAR LENS + GASKET	A	4403012303	24.00
5	LIGHT SILICON GASKET	A	4403010102	9.00
6	LAMPHOLDER REFLECTOR PLATE	A	4403011903	66.00
7	LAMP HOLDER	A	4403011407	15.00
8	GLAND SEAL M-16 KT 19,5X2	A	4403012302	17.00
9	KIT PLUG PACKING GLAND 12X2	A	4403014101	6.00
10	LIGHT CABLE	A	4403011905	51.00
12	LIGHT BODY	A	4403011908	54.00
13	PACKING GLAND PG-9	A	4403012704	4.00
14	CONDUIT CONNECTOR	A	4403011907	4.00
15	LIGHT SUPPORT	A	4403011906	19.00
16	BULB	A	00371-2450	25.00

POOL LIGHTING & ORNAMENTAL FEATURES

Niche for Dichro Light

CODES: 06967-00369-49828

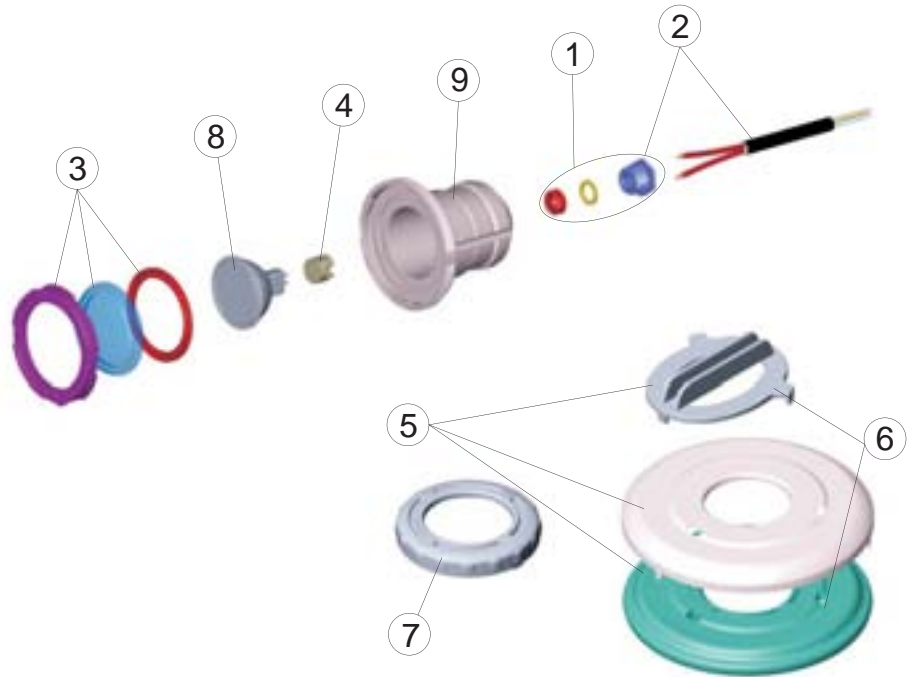


Pos.	Description	Discount group	Code	Unit £
1	MINI LEDS LIGHT NICHE	A	4403015901	36.00
1	PANEL POOL LIGHT NICHE FOR 49828	A	4403015902	39.00
2	BODY CABLE CONDUIT UWL MINI	A	4403014102	31.00
3	LIGHT PACKING GLAND	A	4403010107	4.00
4	LIGHT PACKING GLAND PG-11	A	4403014706	6.00
5	ADAPTOR PG-11 TO M-25	A	4403014104	12.00
6	DICHRO LIGHT ADHESIVE GASKET	A	4403011703	5.00
7	DICHRO LIGHT FLANGE	A	4403011602	19.00

POOL LIGHTING & ORNAMENTAL FEATURES

Dichro Light

CODES: 49820-49821-49822-49823

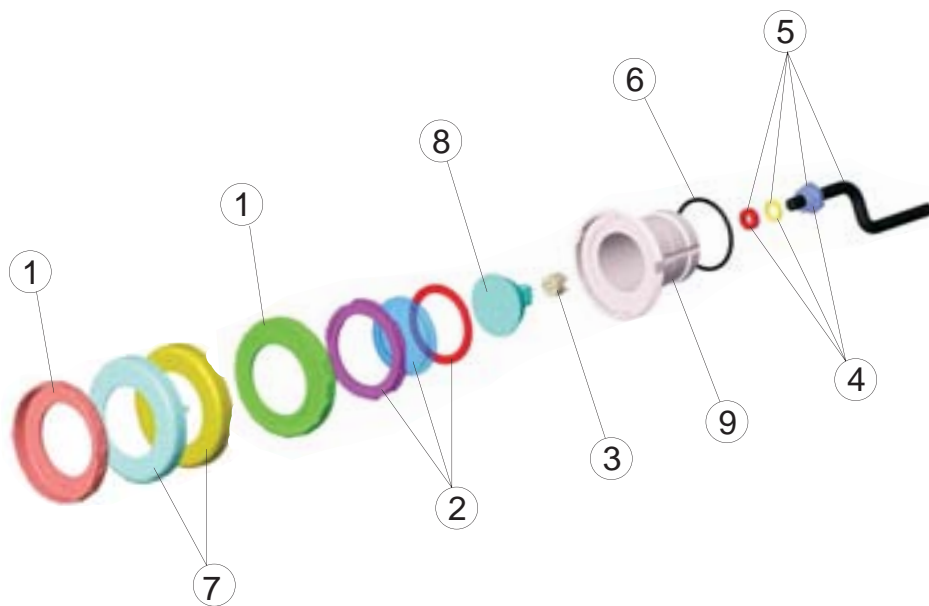


Pos.	Description	Discount group	Code	Unit £
1	PACKING GLAND	A	4403010107	4.00
3	LENS KIT	A	4403012003	25.00
4	LAMP HOLDER	A	4403011407	15.00
5	STAINLESS STEEL FACEPLATE	A	4403013702	74.00
6	ABS FACEPLATE LARGE	A	4403011601	19.00
7	ABS FACEPLATE SMALL	A	4403012101	3.00
8	BULB	A	00372	13.00
9	PLASTIC BODY	A	33708R0001	87.00

POOL LIGHTING & ORNAMENTAL FEATURES

Dichro Light

CODES: 33708-36646

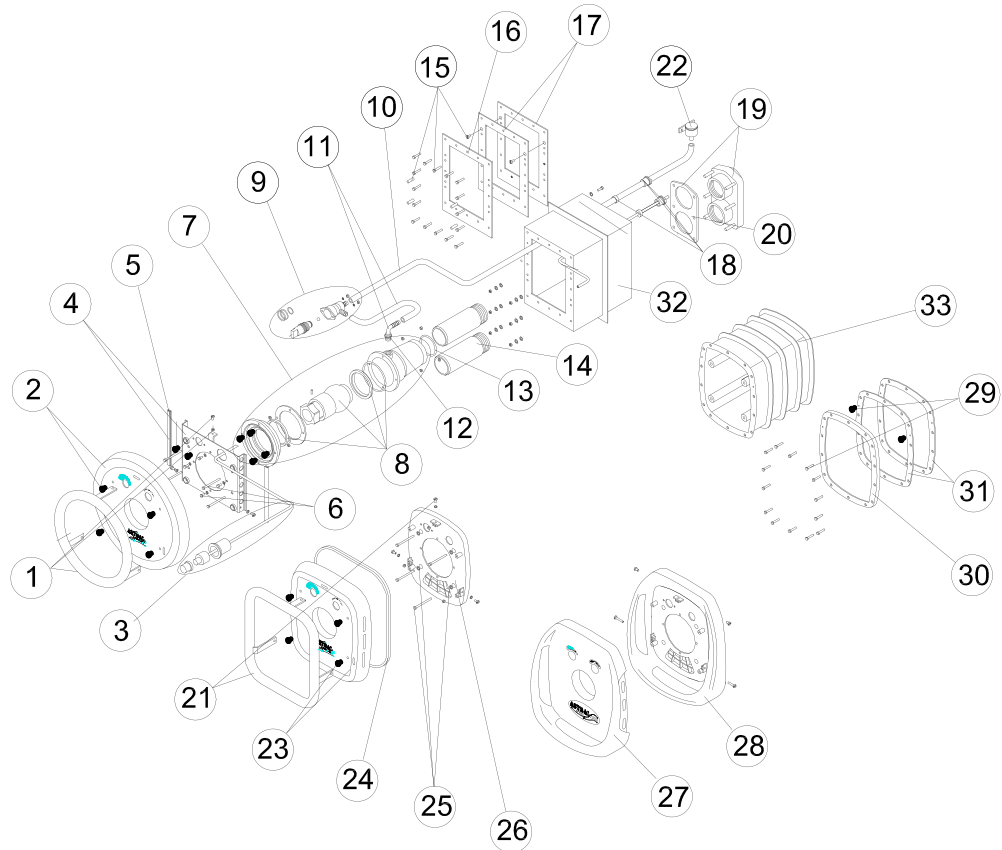


Pos.	Description	Discount group	Code	Unit £
1	FACEPLATE ABS	A	4403012101	3.00
2	LENS KIT	A	4403012003	25.00
3	LAMP HOLDER	A	4403011407	15.00
4	LIGHT PACKING GLAND	A	4403010107	4.00
6	LIGHT O RING	A	4403011406	5.00
7	STAINLESS STEEL FACEPLATE	A	4403014801	74.00
8	BULB	A	00372	13.00
9	LAMP BODY PLASTIC	A	33708R0001	87.00

POOL LIGHTING & ORNAMENTAL FEATURES

Countercurrent swimming equipment

CODES: 11013 TO 1106 - 11499 TO 11501 - 11508



Pos.	Description	Discount group	Code	Unit £
1	ROUND HAND GRIP	A	4402050501	POA
2	CIRCULAR FACEPLATE	A	4402050101	288.00
3	COMPLETE SWITCH	A	4402050119	123.00
4	S.S. FIXING PLATE + SUPPORT PROFILE	A	4402050123	505.00
4	S.S. DOUBLE FIXING PLATE + SUPPORT	A	4402050124	442.00
5	FIXING PLATE SUPPORT PROFILE	A	4402050125	78.00
6	S.S. FIXING PLATE BOLTS	A	4402050133	17.00
7	COMPLETE INLET	A	4402050132	POA
8	NOZZLE UNIT	A	4402050417	65.00
9	REGULATOR VALVE	A	4402050120	37.00
10	REGULATOR VALVE	A	4402050122	47.00
11	VENTURI SUCTION CONDUIT L-300 M/M.	A	4402050121	33.00
11	VENTURI SUCTION CONDUIT L-350 M/M.	A	4402050502	40.00
12	NYLON D.12 3/8" ELBOW	A	4402050415	17.00
13	63X4 JOINT	A	4402050503	5.00

The list of spares continues on the next page

POOL LIGHTING & ORNAMENTAL FEATURES

Countercurrent swimming equipment

CODES: 11013 TO 1106 - 11499 TO 11501 - 11508



Pos.	Description	Discount group	Code	Unit £
14	SUCTION / RETURN TUBE	A	4402050118	44.00
15	S.S. FRAME SCREWS	A	4402050115	83.00
16	S. S. FRAME	A	4402050504	127.00
16	S. S. TWIN FRAME	A	4402050505	POA
17	S.S. FRAME GASKET	A	4402011407	114.00
17	DOUBLE HEADER FRAME GASKET	A	4402050113	101.00
18	CABLE GLAND	A	4402050110	12.00
19	FLANGE CONNECTION WITH GASKET	A	4402050107	75.00
20	GASKET COVER	A	4402050108	27.00
21	RECTANGULAR HAND GRIP	A	4402050506	322.00
21	DOUBLE EQUIP HAND GRIP	A	4402050507	123.00
21	WHITE RECTANGULAR HAND GRIP	A	4402050508	467.00
22	AIR SUCTION VALVE	A	4402050109	20.00
23	S.S. FACEPLATE	A	4402050102	229.00
23	DOUBLE FACEPLATE	A	4402050103	252.00
23	PLASTIC FACEPLATE	A	4402050104	284.00
24	FACEPLATE SUPPORT PROFILE	A	4402050105	64.00
25	PLASTIC FIXING PLATE SCREWS	A	4402050134	19.00
26	PLASTIC FIXING PLATE	A	4402050126	122.00
27	FACEPLATE WITH GRABPULL	A	4402050106	134.00
28	PLATE WITH GRABPULLS	A	4402050127	122.00
29	PLASTIC FRAME SCREWS	A	4402050114	47.00
30	PLASTIC FRAME	A	4402050509	26.00
31	CCU PLASTIC FRAME GASKET	A	4402050111	61.00
32	S.S. HOUSING CASE	A	00243	493.00
32	S.S. TWIN HOUSING CASE	A	05555	667.00
33	HOUSING CASE	A	11502	398.00

TERMS AND CONDITIONS FOR THE SUPPLY OF GOODS AND/OR SERVICES

1. INTERPRETATION

1.1 In these Conditions, the following definitions apply:

Business Day: a day (other than a Saturday, Sunday or a public holiday) when banks in London are open for business.

AstralPool UK/Fluidra SA Products: goods manufactured by the Group and affixed with the Company/Group branding.

Company: AstralPool UK Limited registered in England and Wales with company number 1823941.

Company's Premises: Units 30-32 Palmerston Business Park, Newgate Lane, Fareham, Hants PO14 1DJ

Group: Fluidra SA, Avda.Francesc Maciá 60, Planta 20, Sabadell, 08208 Barcelona, Spain.

Conditions: these terms and conditions as amended from time to time in accordance with clause 20.7.

Contract: the contract between the Company and the Customer for the supply of Goods and/or Services in accordance with these Conditions.

Customer: the person or firm who purchases the Goods and/or Services from the Company.

Force Majeure Event: means an event beyond the reasonable control of the Company including but not limited to strikes, lock-outs or other industrial disputes (whether involving the workforce of the party or any other party), failure of a utility service or transport network, act of God, war, riot, civil commotion, malicious damage, compliance with any law or governmental order, rule, regulation or direction, accident, breakdown of plant or machinery, fire, flood, storm or default of suppliers or subcontractors.

Goods: the AstralPool/Fluidra SA Products and/or Third Party Products (or any part of them) set out in the Order.

Goods Specification: any specification for the Goods, including any relevant plans or drawings that are agreed in writing by the Customer and the Company.

Intellectual Property Rights: all patents, rights to inventions, utility models, copyright and related rights, trademarks, service marks, trade, business and domain names, rights in trade dress or get-up, rights in goodwill or to sue for passing off, unfair competition rights, rights in designs, rights in computer software, database right, topography rights, moral rights, rights in confidential information (including know-how and trade secrets) and any other intellectual property rights, in each case whether registered or unregistered and including all applications for and renewals or extensions of such rights, and all similar or equivalent rights or forms of protection in any part of the world.

Order: the Customer's order for the supply of Goods and/or Services, as set out in the Customer's purchase order form or via telephone or via the Website.

Services: the installation and/or application and/or repair and/or maintenance of the Goods (if required and agreed) by the Company as set out in the Order.

Third Party Products: goods manufactured and/or supplied by third parties and supplied by the Company as the third party's wholesale supplier or agent.

Website: the website www.astralpool.co.uk operated by the Company and any other website(s) operated by the Company from time to time, and as may be updated from time to time.

1.2 A reference to writing or written includes fax but not e-mail.

1.3 Any words following the terms including, include, in particular, for example or any similar expression shall be construed as illustrative and shall not limit the sense of the words, description, definition, phrase or term preceding those terms.

2. BASIS OF CONTRACT

2.1 The Order constitutes an offer by the Customer to purchase Goods and/or Services in accordance with these conditions.

2.2 The Order shall only be deemed to be accepted when the Company issues (at its complete discretion) written acceptance of the Order at which point and on which date the Contract shall come into existence.

2.3 The Contract constitutes the entire agreement between the parties. The Customer acknowledges that it has not relied on any statement, promise or representation made or given by or on behalf of the Company which is not set out in the Contract.

2.4 Any samples, drawings, descriptive matter or advertising issued by the Company and any descriptions of the Goods contained in the Company's catalogues, brochures or Website are issued or published for the sole purpose of giving an approximate idea of the Goods described in them. They shall not form part of the Contract or have any contractual force.

2.5 These Conditions apply to the Contract to the exclusion of any other terms that the Customer seeks to impose or incorporate, or which are implied by trade, custom, practice or course of dealing.

2.6 Any quotation given by the Company shall not constitute an offer and may be withdrawn at any time and shall in any event lapse on the date 30 days from the date of issue unless specified otherwise in writing.

3. GOODS

3.1 The Goods are described in the Company's pricelists and on the Website, as modified by any applicable Goods Specification, or as described in any applicable Goods Specification.

3.2 To the extent that the Goods are to be manufactured in accordance with a Goods Specification supplied by the Customer, the Customer shall indemnify the Company against all liabilities, costs, expenses, damages and losses (including any direct, indirect or consequential losses, loss of profit, loss of reputation and all interest, penalties and legal and other professional costs and expenses) suffered or incurred by the Company in connection with any claim made against the Company for actual or alleged infringement of a third party's Intellectual Property Rights arising out of or in connection with the Company's use of the Goods Specification. This clause 3.2 shall survive termination of the Contract.

3.3 The Company reserves the right to amend the specification of the Goods if required by any applicable statutory or regulatory requirements.

4. DELIVERY OF GOODS

4.1 Unless the Goods are to be collected by the Customer from the Company's Premises or such other location as may be advised by the Company before delivery, the Company shall deliver the Goods to the location set out in the Order (or such other location as the parties may agree). If the Customer is a consumer, the Company shall deliver the Goods within 30 days after the date on which the Company e-mails the Customer to confirm acceptance of its Order (or such longer period as the parties may agree).

TERMS AND CONDITIONS FOR THE SUPPLY OF GOODS AND/OR SERVICES

- 4.2 Except as provided in clause 4.4, any dates quoted for delivery of the Goods are approximate only, and the time of delivery is not of the essence.
- 4.3 Delivery of the Goods shall be completed on the Goods' arrival at the Customer's premises or other delivery address specified by the Customer or on completion of loading of the Goods at the premises from which the Customer is collecting the Goods (as applicable) and the Company shall not be liable for any delay in delivery of the Goods or performance of the Services that is caused by a Force Majeure Event or the Customer's failure to provide the Company with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods and/or Services.
- 4.4 If the Customer is a consumer, and the Company misses the 30 day delivery deadline for any Goods, then the Customer may cancel the Order straight away if any of the following apply:
- the Company has refused to deliver the Goods;
 - delivery within the delivery deadline was essential (taking into account the relevant circumstances); or
 - the Customer told the Company before it accepted the Order that delivery within the delivery deadline was essential.
- 4.5 If the Company fails to deliver the Goods (including if the Customer is a consumer and it chooses to cancel the Order for late delivery under clause 4.4), the Company's liability shall be limited to a refund of the price paid for the Goods (and, if the Customer is a Consumer, any delivery costs the Customer has paid (although as permitted by law, the maximum refund will be the costs of delivery by the least expensive delivery method the Company offers (provided that is a common and generally acceptable method)). The Company shall have no liability for any failure to deliver the Goods to the extent that such failure is caused by a Force Majeure Event, the Customer's failure to provide the Company with adequate delivery instructions for the Goods, or adequate access for delivery or any relevant instruction related to the supply of the Goods.
- 4.6 If the Customer fails to accept or take delivery of the Goods within 30 Business Days of the Company notifying the Customer that the Goods are ready, then except where such failure or delay is caused by a Force Majeure Event or by the Company's failure to comply with its obligations under the Contract in respect of the Goods:
- delivery of the Goods shall be deemed to have been completed at 9.00 am on the Business Day following the day on which the Company notified the Customer that the Goods were ready; and
 - the Company shall store the Goods until delivery takes place, and charge the Customer for all related costs and expenses (including insurance).
- 4.7 Any person accepting delivery at the Customer's premises or agreed delivery address shall be deemed to have the Customer's authority to accept the Goods. The Customer shall be liable for any additional delivery charges if the Company is unable to deliver due to the Customer or any other person not being available to accept delivery.
- 4.8 If 30 Business Days after the Company notified the Customer that the Goods were ready for delivery the Customer has not accepted or taken delivery of them, the Company may resell or otherwise dispose of part or all of the Goods and, after deducting reasonable storage and selling costs, account to the Customer for any excess over the price of the Goods or charge the Customer for any shortfall below the price of the Goods.
- 4.9 The Customer shall not be entitled to reject the Goods if the Company delivers up to and including 5 per cent more or less than the quantity of Goods ordered, but a pro-rata adjustment shall be made to the Order invoice on receipt of notice from the Customer that the wrong quantity of Goods was delivered. Notification of non-delivery or damage to the Goods must be made in writing to the Company within three Business Days of the date when the Goods should have or have been delivered.
- 4.10 Damage caused in transit or non-delivery of the Goods (or any part of them) which is apparent by reasonable inspection on delivery must be notified immediately to the Company and recorded on the carrier's paperwork at the time of delivery. The Company shall have no liability for non-delivery or delivery of damaged Goods unless notification is made by the Customer to the Company as prescribed by this clause 4.10.
- 4.11 The Company may deliver the Goods by instalments, which shall be invoiced and paid for separately. If the Company delivers the Goods by instalments due to operational reasons or shortage of stock, the Customer will not be charged extra delivery costs for this. If the Customer requests that the Company deliver the Order in instalments, the Company reserves the right to charge the Customer additional delivery costs. Each instalment shall constitute a separate contract. Any delay in delivery or defect in an instalment shall not entitle the Customer to cancel any other instalment.

5. QUALITY OF GOODS

5.1 AstralPool/Fluidra Products

- The Company warrants that on delivery and for a period of 2 years from the date of delivery, the AstralPool/Fluidra Products will conform in all material respects with their description and any applicable Goods Specification and shall be free from material defects. If some or all of the AstralPool/Fluidra Products do not comply with the warranty set out in this clause 5.1, the Company will, at its option, subject to the rest of this clause 5.1, either make good by repair or by the supply of a replacement, defects which, under proper use, appear in the AstralPool/Fluidra Products within a period of 12 months after the AstralPool/Fluidra Products have been delivered and installed, provided that:
 - the Customer notifies the Company in writing of the claimed defects immediately on their appearance;
 - the Company is satisfied that the defects arise solely from faulty design (other than a design made, furnished or specified by the Customer), materials or workmanship;
 - if required by the Company, the AstralPool/Fluidra Products claimed to be defective are returned to the Company at the expense of the Customer (unless the Customer is a consumer, in accordance with clause 7.7); and
 - where the Customer requests the Company to install the replacement product it shall pay for those Services in accordance with clause 9.
- The repaired or replacement AstralPool/Fluidra Products will be delivered to the Customer at the original place of delivery, but otherwise the provisions of these Conditions shall apply to any repaired or replacement AstralPool/Fluidra Products.
- As an alternative to clause 5.1(a), the Company shall be, in its absolute discretion, entitled to return the sums paid by the Customer for the defective AstralPool/Fluidra Products to the Customer if the Customer has already paid such sums when the claimed defect is notified by the Customer to the Company.
- The Company shall not be liable for the AstralPool/Fluidra Products' failure to comply with the warranty in clause 5.1 if:
 - the Customer makes any further use of such AstralPool/Fluidra Products after giving a notice in accordance with clause 5(a)(i);
 - the defect arises because the Customer failed to follow the Company's oral or written instructions as to the storage, installation, commissioning, use or maintenance of the AstralPool/Fluidra Products or (if there are none) good trade practice;
 - the defect arises as a result of the Company following any drawing, design or specification supplied by the Customer;
 - the Customer alters or repairs such AstralPool/Fluidra Products without the written consent of the Company;
 - the defect arises as a result of fair wear and tear, wilful damage, negligence, or abnormal working conditions;

TERMS AND CONDITIONS FOR THE SUPPLY OF GOODS AND/OR SERVICES

- (vi) the AstralPool/Fluidra Products differ from their description as a result of changes made to ensure they comply with applicable statutory or regulatory standards; or
- (vii) the Goods in question are perishable Goods.
- (e) If the Goods upon examination are not found to be defective the Company's reasonable costs of the examination and all costs of carriage to and from the Company shall be borne by the Customer.
- (f) Except as provided in this clause 5, and /or unless the Customer is a consumer, the Company shall have no liability to the Customer in respect of the AstralPool/Fluidra Products' failure to comply with the warranty set out in clause 5.1.

5.2 Third Party Products:

- (a) Unless otherwise agreed in writing the Company gives no warranty or guarantee in relation to any Third Party Products contained in the Goods and the Customer shall rely only on any warranty or guarantee provided directly by the manufacturer of the Third Party Products.

5.3 Generally:

- (a) If the Customer is a business, except as provided in this clause 5, the Company shall have no liability to the Customer in respect of the Goods' failure to comply with the warranty set out in clause 5.1.
- (b) If the Customer is a consumer, the rights contained in this clause 5 are in addition to the Customer's legal rights in relation to the Goods that are faulty or not as described. Advice about the Customer's legal rights is available from their local Citizens' Advice Bureau or Trading Standards office. Nothing in these Conditions is intended to or will affect these legal rights.

6. GOODS RETURN / SERVICES CANCELLATION POLICY FOR BUSINESS CUSTOMERS

Once the Order has been accepted by the Company in accordance with Clause 2.2 Goods and Services cannot be cancelled or returned without the Company's written agreement.

6.1 Return of Goods. Subject to Clause 6 (above) Goods may be returned:

- (a) (i) if the Goods were delivered incorrectly or not required and are returned in perfect condition including packaging, or
- (ii) if the Goods are damaged and are returned in the same condition as delivered including packaging where applicable, or
- (iii) if the Goods are faulty; and
- (b) a goods return authorisation has been issued by the Company and
- (c) the Goods are returned within two weeks of delivery. Goods returned outside this period will be subject to a re-stocking charge.

6.2 Goods held for more than two months may only be returned if faulty and under warranty.

6.3 Goods which are perishable, subject to batch control or are bespoke, personalised or special orders are excluded from this returns policy.

6.4 Services may not be cancelled once the Company has begun to supply the Service.

6.5 If the Company arranges collection of the Goods and the Goods cannot be collected, for whatever reason, the Customer will be liable for the collection cost.

7. CONSUMER RIGHT OF RETURN AND REFUND

This clause 7 applies if the Customer is a consumer.

7.1 CANCELLATION RIGHTS

If the Customer is a consumer, the Customer has a legal right to cancel a Contract under the Consumer Contracts (Information, Cancellation and Additional Charges) Regulations 2013 during the period set out in clause (d). This means that during the relevant period if the Customer changes its mind or decides for any other reason that it does not want to receive or keep the Goods, and/or receive the Services, except as provided in this clause 6, the Customer can notify the Company of its decision to cancel the Contract and receive a refund. Advice about the Customer's legal right to cancel the Contract is available from the Customer's local Citizens' Advice Bureau or Trading Standards office.

7.2 However, this cancellation right does not apply in the case of: any made to measure or custom made Goods and any Goods made to the Customer's specification or clearly personalised;

- (a) any perishable Goods;
- (b) any Goods which have a security seal which the Customer has opened or unsealed;
- (c) any Goods which become mixed inseparably with other items after their delivery; or
- (d) the Company having begun to provide the Services.

7.3 CANCELLATION PERIOD

GOODS

- (a) The Customer's legal right to cancel a Contract for Goods starts from the date on which the Company e-mails the Customer to confirm acceptance of its Order, which is when the Contract between the parties is formed. The Customer's deadline for cancelling the Contract is 14 days after the day on which it receives the Goods. If the Goods are delivered in instalments, the Customer's deadline for cancelling the Contract is 14 days after the day on which it receives the last instalment of the Goods or the last of the separate Goods ordered. For example, if the Company e-mails the Customer to confirm acceptance of its Order on 1 January and the Customer receives a single item on 10 January, the Customer may cancel at any time between 1 January and the end of the day on 24 January.

SERVICES

- (b) The Customer may cancel any order for Services at any time before the start date for the Services set out in the Order.
- (c) Once the Company has begun to provide the Services, the Customer may cancel a Contract for Services by providing the Company with at least 30 days' notice in writing.

7.4 EXERCISE OF RIGHT TO CANCEL

To cancel a Contract, the Customer just needs to let the Company know that it has decided to cancel. The easiest way to do this is to complete the cancellation form on the Company's website. If the Customer uses this method the Company will e-mail the Customer to confirm it has received the cancellation form.

TERMS AND CONDITIONS FOR THE SUPPLY OF GOODS AND/OR SERVICES

The Customer can also e-mail the Company at sales@astralpooluk.com or contact the Customer Services team by telephone on 01329514000 or by post to AstralPool UK Ltd, Units 30-32 Palmerston Business Park, Newgate Lane, Fareham, Hants, PO14 1DJ to cancel a Contract. If the Customer e-mails or writes to the Company please include details of the order to help identify it. If the Customer sends the cancellation notice by e-mail or by post, then its cancellation is effective from the date it sends the e-mail or posts the letter. For example, the Customer will have given the Company notice in time as long as it gets the letter into the post on the last day of the cancellation period or e-mails before midnight on that day.

7.5 REFUNDS

If the Customer cancels a Contract for Goods the Company will:

- (a) Refund the Customer the price it paid for the Goods. However, please note the Company is permitted by law to reduce its refund to reflect any reduction in the value of the goods, if this has been caused by the Customer handling them in a way which would not be permitted in a shop. If the Company refunds the Customer the price paid before it is able to inspect the Goods and later discovers that the Goods have been handled in an unacceptable way, the Customer must pay the Company an appropriate amount.
- (b) refund any delivery costs the Customer has paid, although, as permitted by law, the maximum refund will be the costs of delivery by the least expensive delivery method the Company offers (provided that this is a common and generally acceptable method). For example, if the Company offers delivery of Goods within 3-5 days at one cost but the Customer choose to have the Goods delivered within 24 hours at a higher cost, then the Company will only refund what the Customer would have paid for the cheaper delivery option.
- (c) make any refunds due to the Customer as soon as possible and in any event within the deadlines indicated below:
 - (i) if the Customer has received the Goods and the Company has not offered to collect the items: 14 days after the day on which the Company receives the Goods back from the Customer or, if earlier, the day on which the Customer provides the Company with evidence that it has sent the Goods back. For information about how to return Goods, see clause 6.9;
 - (ii) if the Customer has not received the Goods, or the Customer has received the Goods and the Company has offered to collect the items: 14 days after the Customer informs the Company of its decision to cancel the Contract.

7.6 SERVICES

If a Customer cancels a Contract for Services:

- (a) under clause 7.3 (b), and the Company has already started work on the Order by that time, the Customer will pay the Company any costs which the Company has reasonably incurred in starting to fulfil the Order, and this charge will be deducted from any refund that is due to the Customer or, if no refund is due, invoiced to the Customer. The Company will tell the Customer what these costs are when it is contacted by the Customer; or
- (b) under clause 7.3 (c), the Company will refund any advance payment made by the Customer for the Services that have not been provided.

7.7 If the Customer has returned the Goods to the Company under this clause 7 because they are faulty or mis-described, the Company will refund the price of the Goods in full, together with any applicable delivery charges, and any reasonable costs the Customer incurred in returning the items.

7.8 METHOD OF REFUND

The Company will refund the Customer on the credit card or debit card used by the Customer to pay.

7.9 OBLIGATION TO RETURN

If the Goods have been delivered to the Customer before it decides to cancel the Contract:

then the Customer must return the Goods to the Company without undue delay and in any event not later than 14 days after the day on which it let the Company know that it wishes to cancel the Contract. The Customer can either send the Goods back, or return the items to the Company's Premises. AstralPool UK, Units 30-32 Palmerston Business Park, Newgate Lane, Fareham, Hants, PO14 1DJ. If the Company has offered to collect the Goods, the Company will collect the Goods from the address to which they were delivered. The Company will contact the Customer to arrange a suitable time for collection;

unless the Goods are faulty or not as described (in this case, see clause 0), the Customer will be responsible for the cost of returning the Goods. If the Goods cannot be returned by post, the Company estimates that if the Customer uses the carrier which delivered the Goods to it, these costs should not exceed the sums charged for delivery. If the Company has offered to collect the Goods, it will charge the Customer the direct cost to it of collection;

7.10 LEGAL RIGHTS IN RELATION TO FAULTY GOODS

Because the Customer is a consumer, the Company is under a legal duty to supply Goods that are in conformity with the Contract. As a consumer, the Customer has legal rights in relation to Goods that are faulty or not as described. These legal rights are not affected by the Customer's right of return and refund in this clause 7 or anything else in these Terms. Advice about the Customer's legal rights is available from the Customer's local Citizens' Advice Bureau or Trading Standards office.

8 TITLE AND RISK

8.1 The risk in the Goods shall pass to the Customer on completion of delivery.

8.2 Title to the Goods shall not pass to the Customer until the Company has received payment in full (in cash or cleared funds) for:

- (a) the Goods; and
- (b) any other goods that the Company has supplied to the Customer in respect of which payment has become due.

8.3 Until title to the Goods has passed to the Customer, the Customer shall hold the Goods on a fiduciary basis as the Company's bailee;

- (a) store the Goods separately from all other goods held by the Customer so that they remain readily identifiable as the Company's property;
- (b) not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;
- (c) maintain the Goods in satisfactory condition and keep them insured against all risks for their full price on the Company's behalf from the date of delivery;
- (d) notify the Company immediately if it becomes subject to any of the events listed in clause 7.6; and
- (e) give the Company such information relating to the Goods as the Company may require from time to time, but the Customer may resell or use the Goods in the ordinary course of its business.

8.4 The Customer shall not pledge or in any way charge by way of security for any indebtedness any Goods which remain the property of the Company, but if the Customer does so all monies owing by the Customer to the Company shall (without prejudice to any other rights or remedies of the Company) become immediately due and payable.

TERMS AND CONDITIONS FOR THE SUPPLY OF GOODS AND/OR SERVICES

- 8.5** The Customer shall inform any sub-purchaser that the Goods are sold subject to a retention of title clause and they shall impose a clause in similar terms to the sub-purchaser providing the same rights as in this clause.
- 8.6** Before title to the Goods passes to the Customer and provided the Goods have not been resold, or irrevocably incorporated into another product, and without limiting any other right or remedy the Company may have, the Company may at any time require the Customer to deliver up the Goods and, if the Customer fails to do so promptly, enter any premises of the Customer or of any third party where the Goods are stored in order to recover them if:
- (a) the Customer suspends, or threatens to suspend, payment of its debts or is unable to pay its debts as they fall due or admits inability to pay its debts or (being a company or limited liability partnership) is deemed unable to pay its debts within the meaning of section 123 of the Insolvency Act 1986 or (being an individual) is deemed either unable to pay its debts or as having no reasonable prospect of so doing, in either case, within the meaning of section 268 of the Insolvency Act 1986 or (being a partnership) has any partner to whom any of the foregoing apply;
 - (b) the Customer commences negotiations with all or any class of its creditors with a view to rescheduling any of its debts, or makes a proposal for or enters into any compromise or arrangement with its creditors;
 - (c) a petition is filed, a notice is given, a resolution is passed, or an order is made, for or in connection with the winding up of that Customer (being a company);
 - (d) an application is made to court, or an order is made, for the appointment of an administrator, or if a notice of intention to appoint an administrator is given or if an administrator is appointed, over the Customer (being a company);
 - (e) the holder of a qualifying floating charge over the assets of the Customer (being a company) has become entitled to appoint or has appointed an administrative receiver;
 - (f) a person becomes entitled to appoint a receiver over the assets of the Customer or a receiver is appointed over the assets of the Customer;
 - (g) the Customer (being an individual) is the subject of a bankruptcy petition or order;
 - (h) a creditor or encumbrancer of the Customer attaches or takes possession of, or a distress, execution, sequestration or other such process is levied or enforced on or sued against, the whole or any part of the Customer's assets and such attachment or process is not discharged within 14 days;
 - (i) any event occurs, or proceeding is taken, with respect to the Customer in any jurisdiction to which it is subject that has an effect equivalent or similar to any of the events mentioned in clause 8.6(a) to clause 8.6(h) (inclusive);
 - (j) the Customer suspends or ceases, or threatens to suspend or cease, carrying on all or a substantial part of its business.

9. SERVICES - INSTALLATION, APPLICATION, REPAIR AND MAINTENANCE

- 9.1** The Company warrants that it will use reasonable care in performing the Services.
- 9.2** If any part of the Services is performed negligently or in breach of the provisions of the Contract or these Conditions then, at the request of the Customer (if the request is given within six months of the provision of the Services), the Company will re-perform the relevant part of the Services, always subject to clause 9.4 and clause 15 below.
- 9.3** The Company shall have the right to make any changes to the Services which are necessary to comply with any applicable law or safety requirement, or which do not materially affect the nature or quality of the Services, and the Company shall notify the Customer in any such event.
- 9.4** Any performance dates for the Services set out in the Order or otherwise agreed between the parties, shall be estimates only and time shall not be of the essence for the performance of the Services.
- 9.5** The Customer shall be responsible for ensuring adequate access to the installation site to enable installation to take place. The Customer shall ensure that the site is ready in all respects for the installation, and has available all appropriate facilities and utilities. Where a specific completion date is required by the Customer, the Company may require access to the site outside normal working hours in which case the Company shall not be liable for any additional cost incurred by the Customer or any third parties.
- 9.6** The Company reserves the right to charge an additional fee to cover costs incurred if the Customer delays installation by more than one month after the date of installation requested by the Customer in the Order.

10. CUSTOMER'S OBLIGATIONS

- 10.1** The Customer shall:
- (a) ensure that the Order is complete and accurate;
 - (b) co-operate with the Company in all matters relating to the Services;
 - (c) provide the Company, its employees, agents, consultants and subcontractors, with access to the Customer's premises, office accommodation and other facilities as reasonably required by the Company to provide the Services;
 - (d) provide the Company with such information and materials as the Company may reasonably require to supply the Services, and ensure that such information is accurate in all material respects;
 - (e) prepare the premises, where the Goods are to be installed, for the supply of the Services;
 - (f) obtain and maintain all necessary licences, permissions and consents which may be required for the Services before the date on which the Services are to start;
 - (g) keep and maintain all materials, equipment, documents and other property of the Company (Company Materials) at the Customer's premises in safe custody at its own risk, maintain the Company Materials in good condition until returned to the Company, and not dispose of or use the Company Materials other than in accordance with the Company's written instructions or authorisation; and
 - (h) attend the premises where the Services are to be carried out when required by the Company.
- 10.2** If the Company's performance of any of its obligations in respect of the Services is prevented or delayed by any act or omission by the Customer or failure by the Customer to perform any relevant obligation (Customer Default):
- (a) the Company shall without limiting its other rights or remedies have the right to suspend performance of the Services until the Customer remedies the Customer Default, and to rely on the Customer Default to relieve it from the performance of any of its obligations to the extent the Customer Default prevents or delays the Company's performance of any of its obligations;
 - (b) the Company shall not be liable for any costs or losses sustained or incurred by the Customer arising directly or indirectly from the Company's failure or delay to perform any of its obligations as set out in this clause 10.2; and
 - (c) the Customer shall reimburse the Company on written demand for any costs or losses sustained or incurred by the Company arising directly or indirectly from the Customer Default.

TERMS AND CONDITIONS FOR THE SUPPLY OF GOODS AND/OR SERVICES

11. CHARGES AND PAYMENT

GOODS

- 11.1** The price for Goods shall be the price set out in the Order or, if no price is quoted, the price set out in the Company's published price list as at the date of delivery. The price of the Goods is exclusive of all costs and charges of packaging, insurance, transport of the Goods and any credit or debit card charges levied by the issuer of the credit or debit card used to pay for the goods, which costs and charges shall be paid by the Customer when it pays for the Goods.
- 11.2** Subject to any special terms agreed in writing between the Company and the Customer, payment for the Goods shall be made in clear and full funds prior to delivery of the Goods, and delivery shall not be made until payment has been received in full by the Company.

SERVICES

- 11.3** The charges for Services shall be on a time and materials basis:
- (a) the charges shall be calculated in accordance with the Company's hourly fee rates available on request;
 - (b) the Company's standard hourly fee rates for each individual person are calculated on the basis of an eight-hour day from 8.00 am to 5.00 pm worked on Business Days;
 - (c) the Company shall be entitled to charge an overtime rate of 150 per cent of the standard hourly fee rate for any time worked by individuals whom it engages on the Services on a Business Day but outside the hours referred to in clause 11.3(b); and double the standard hourly fee rate on any day that is not a Business Day; and
 - (d) the Company shall be entitled to charge the Customer for any expenses reasonably incurred by the individuals whom the Company engages in connection with the Services including, but not limited to, travelling expenses, hotel costs, subsistence and any associated expenses, and for the cost of services provided by third parties and required by the Company for the performance of the Services, and for the cost of any materials.
- 11.4** The Company reserves the right to:
- (a) increase the price of the Goods and /or Services, by giving notice to the Customer at any time before delivery and/or installation, to reflect any increase in the cost of the Goods to the Company that is due to:
 - (i) any factor beyond the reasonable control of the Company (including foreign exchange fluctuations, increases in taxes and duties, and increases in labour, materials and other manufacturing costs);
 - (ii) any request by the Customer to change the delivery date(s), quantities or types of Goods ordered, or the Goods Specification; or
 - (iii) any delay caused by any instructions of the Customer in respect of the Goods or failure of the Customer to give the Company adequate or accurate information or instructions in respect of the Goods.

GENERAL

- 11.5** Prices quoted are exclusive of VAT which is chargeable at the current rate and the Customer shall additionally be liable to pay to the Company such additional amounts in respect of VAT as are chargeable on the supply of the Services or Goods at the same time as payment is due for the supply of the Services or Goods.
- 11.6** Any grant of credit must be agreed in advance in writing by an authorised representative of the Company. Full payment is then due by the due date.
- 11.7** The Company has the right to withdraw credit at any time by giving written notice to the Customer in which case all amounts due to the Company from the Customer shall become immediately due and payable.
- 11.8** The Company shall invoice the Customer for the Goods and/or Services. The Customer shall pay each invoice submitted by the Company in full and in cleared funds to a bank account nominated in writing by the Company in accordance with any agreed credit terms. Time for payment shall be the essence of the Contract.
- 11.9** Without limiting any other right or remedy of the Company, if the Customer fails to make any payment due to the Company under the Contract by the due date, the Company shall have the right to charge interest on the overdue amount at the rate of 4 per cent per annum above the then current National Westminster Bank's base rate accruing on a daily basis from the due date until the date of actual payment of the overdue amount, whether before or after judgment.
- 11.10** The Customer shall pay all amounts due under the contract in full without any deduction or withholding except as required by law and the Customer shall not be entitled to assert any credit, set-off or counterclaim against the Company in order to justify withholding payment of any such amount in whole or in part. The Company may, without limiting its other rights or remedies, set off any amount owing to it by the Customer against any amount payable by the Company to the Customer.

12. INTELLECTUAL PROPERTY RIGHTS

- 12.1** All Intellectual Property Rights in or arising out of or in connection with the Services shall be owned by the Company.
- 12.2** The Customer acknowledges that, in respect of any third party Intellectual Property Rights, the Customer's use of any such Intellectual Property Rights is conditional on the Company obtaining a written licence from the relevant licensor on such terms as will entitle the Company to license such rights to the Customer.

13. CONFIDENTIALITY

- 13.1** Each party undertakes that it shall not at any time disclose to any person any technical or commercial know-how, specifications, inventions, processes or initiatives which are of a confidential nature or any confidential information concerning the business, affairs, customers, clients or suppliers of the other party (Confidential Information), except that each party may disclose the other party's Confidential Information:
- (a) to its employees, officers, representatives or advisers who need to know such information for the purposes of carrying out the party's obligations under this Contract. Each party shall ensure that its employees, officers, representatives or advisers to whom it discloses the other party's confidential information comply with this clause 13.1; and
 - (b) as may be required by law, court order or any governmental or regulatory authority.
- 13.2** All Company Materials are the exclusive property of the Company.
- 13.3** No party shall use any other party's Confidential Information for any purpose other than to perform its obligations under this Contract.
- 13.4** This clause 13 shall survive termination of the Contract.

TERMS AND CONDITIONS FOR THE SUPPLY OF GOODS AND/OR SERVICES

14. DATA PROTECTION

The Company processes personal data in accordance with the applicable personal data laws, the terms of its privacy policy and, where applicable, the consents it has received from each personal data owner. The Company's privacy policy, which is available on its website, outlines how, and the purposes for which, the Company manages, collects, uses and transfers personal data.

The customer shall process personal data received from the Company in accordance with the personal data laws and shall process such personal data for the purpose provided, implement the technical and organisational security measures required to safeguard the personal information, and retain the data for no longer than necessary for the purpose.

15. LIMITATION OF LIABILITY IF THE CUSTOMER IS A BUSINESS

This clause 15 only applies if the Customer is a business.

15.1 Nothing in these Conditions shall limit or exclude the Company's liability for:

- (a) death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors;
- (b) fraud or fraudulent misrepresentation;
- (c) breach of the terms implied by section 2 of the Supply of Goods and Services Act 1982 (title and quiet possession);
- (d) breach of the terms implied by section 12 of the Sale of Goods Act 1979 (title and quiet possession); or
- (e) defective products under the Consumer Protection Act 1987.

15.2 Subject to clause 15.1 the Company shall under no circumstances whatsoever be liable to the Customer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, loss of business opportunity, loss of goodwill or any indirect or consequential loss arising under or in connection with the Contract; and

15.3 Subject to clause 15.1 the Company's total liability to the Customer in respect of all losses arising under or in connection with the Contract, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed the price recovered for the Goods and/or Services. The Company's liability under this clause 12.3 shall end 1 year from the completion of any Services or such earlier time as English law dictates.

15.4 Except as set out in these Conditions, all warranties, conditions and other terms implied by statute or common law are, to the fullest extent permitted by law, excluded from the Contract.

15.5 This clause 15 shall survive termination of the Contract.

16. LIMITATION OF LIABILITY IF THE CUSTOMER IS A CONSUMER

This clause 16 only applies if the Customer is a consumer.

16.1 Nothing in these Conditions shall limit or exclude the Company's liability for:

- (a) death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors;
- (b) fraud or fraudulent misrepresentation;
- (c) breach of the terms implied by section 2 of the Supply of Goods and Services Act 1982 (title and quiet possession);
- (d) breach of the terms implied by section 12 of the Sale of Goods Act 1979 (title and quiet possession);
- (e) breach of the terms implied by section 13 to 15 of the Sale of Goods Act 1979 (description, satisfactory quality, fitness for purpose and samples) and sections 3, 4 and 5 of the Supply of Goods and Services Act 1982 (description, satisfactory quality, fitness for purpose and samples); or
- (f) defective products under the Consumer Protection Act 1987.

16.2 If the Company fails to comply with these Conditions, the Company is responsible for loss or damage the Customer suffers that is a foreseeable result of the Company's breach of the Conditions. Loss or damage is foreseeable if they are an obvious consequence of the Company's breach or if they are contemplated by the Customer and the Company at the time the Company entered into the Contract.

16.3 If the Company is installing the Goods and/or providing Services at a property, the Company will make good any damage to the property caused by the Company in the course of installation or performance. However the Company is not responsible for the cost of repairing any pre-existing faults or damage to the property that the Company discovers in the course of installation and/or performance of the Services.

16.4 The Company only supplies the Goods and/or Services to the Customer for domestic and private use. The Customer agrees not to use the Goods and/or Services for any commercial, business or re-sale purpose, and the Company shall have no liability to the Customer for any loss of profit, loss of business, business interruption, or loss of business opportunity.

17. TERMINATION AND SUSPENSION

17.1 Without limiting its other rights or remedies, the Company shall have the right to suspend the supply of Services or all further deliveries of Goods under the Contract or to terminate the Contract or any other contract between the Customer and the Company if:

- (a) the Customer fails to make pay any amount due under this Contract on the due date for payment; or
- (b) the Customer becomes subject to any of the events listed in clause 8.6, or the Company reasonably believes that the Customer is about to become subject to any of them.

18. CONSEQUENCES OF TERMINATION

On termination of the Contract for any reason:

- (a) the Customer shall immediately pay to the Company all of the Company's outstanding unpaid invoices and interest and, in respect of Goods and Services supplied but for which no invoice has yet been submitted, the Company shall submit an invoice, which shall be payable by the Customer immediately on receipt;

TERMS AND CONDITIONS FOR THE SUPPLY OF GOODS AND/OR SERVICES

- (b) the Customer shall return all of the Company Materials and any Goods which have not been fully paid for. If the Customer fails to do so, then the Company may enter the Customer's premises and take possession of them. Until they have been returned, the Customer shall be solely responsible for their safe keeping and will not use them for any purpose not connected with this Contract;
- (c) the accrued rights and remedies of the parties as at termination shall not be affected, including the right to claim damages in respect of any breach of the Contract which existed at or before the date of termination or expiry; and
- (d) clauses which expressly or by implication have effect after termination shall continue in full force and effect.

19. GENERAL

- (a) The Company reserves the right to change, suspend or withdraw any part of the Website. Access to the Website may be denied at the sole discretion of the Company to any Customer who breaches these Conditions.
- (b) The Website and its contents are provided to the Customer on an "as is" and "as available" basis. The Company does not make and expressly disclaims to the fullest extent permitted by law any and all representations or warranties of any kind with respect to the Website and its contents including without limitation its completeness, accuracy, fitness or suitability for any purpose or freedom from viruses.
- (c) The Company, its directors, employees and other agents shall not be liable for damages of any kind including without limitation, direct, indirect, special or consequential damages, loss of income or profits, loss of or corruption of data, loss of or damage to property or claims of third parties, arising out of or in connection with the Customer's use of its Website.
- (d) The Customers attention is drawn to the General Conditions of Access and Use found on the Website and governing the access and use thereof.

19.1 Assignment and subcontracting:

- (a) The Company may at any time assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights under the Contract and may subcontract or delegate in any manner any or all of its obligations under the Contract to any third party.
- (b) The Customer shall not, without the prior written consent of the Company, assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract.

19.2 Communications:

If the Customer is a consumer:

- (i) the Customer may contact the Company for any reason, including because the Customer has any complaints, by telephoning the Customer Services team on 01329514000 or by emailing the Company at sales@astralpooluk.com; and
- (ii) if the Company has to contact the Customer to give it notice in writing, the Company will do so by e-mail or by pre-paid post to the address provided in the Order.

If the Customer is a business:

- (i) the Customer may contact the Company by telephoning the Customer Services team on 01329514000 or by emailing the Company at sales@astralpooluk.com
- (ii) if either party wishes to give formal notice of any matter in under or in connection with this Contract to the other party, it shall be in writing and shall be delivered to the other party personally or sent by prepaid first-class post, recorded delivery or by commercial courier, at its registered office (if a company) or (in any other case) its principal place of business, or sent by fax to the other party's main fax number.
- (iii) any formal notice under clause 20.3 (b) (ii) shall be deemed to have been duly received if delivered personally, when left at such address or, if sent by prepaid first-class post or recorded delivery, at 9.00 am on the second Business Day after posting, or if delivered by commercial courier, on the date and at the time that the courier's delivery receipt is signed, or if sent by fax, on the next Business Day after transmission.

19.3 Waiver and cumulative remedies:

- (a) A waiver of any right under the Contract is only effective if it is in writing and shall not be deemed to be a waiver of any subsequent breach or default. No failure or delay by a party in exercising any right or remedy under the Contract or by law shall constitute a waiver of that or any other right or remedy, nor preclude or restrict its further exercise. No single or partial exercise of such right or remedy shall preclude or restrict the further exercise of that or any other right or remedy.
- (b) Unless specifically provided otherwise, rights arising under the Contract are cumulative and do not exclude rights provided by law.

19.4 Severance:

- (a) If a court or any other competent authority finds that any provision of the Contract (or part of any provision) is invalid, illegal or unenforceable, that provision or part-provision shall, to the extent required, be deemed deleted, and the validity and enforceability of the other provisions of the Contract shall not be affected.
- (b) If any invalid, unenforceable or illegal provision of the Contract would be valid, enforceable and legal if some part of it were deleted, the provision shall apply with the minimum modification necessary to make it legal, valid and enforceable.

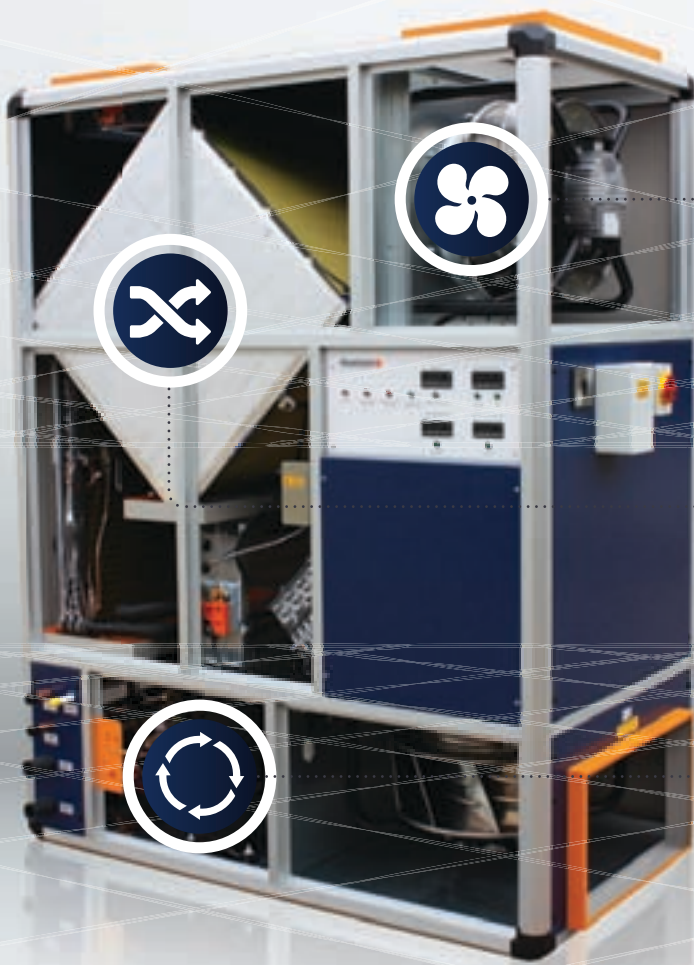
19.5 Third Parties: A person who is not a party to the Contract shall not have any rights under or in connection with it.

19.6 Variation: Except as set out in these Conditions, any variation, including the introduction of any additional terms and conditions, to the Contract shall only be binding when agreed in writing and signed by the Company.

19.7 No partnership: Nothing in the Contract is intended to, or shall be deemed to, establish any partnership or joint venture between the parties, constitute any party the agent of the other party, or authorise any party to make or enter into any commitments for or on behalf of the other party.

19.8 Governing law and jurisdiction: This Contract, and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims), shall be governed by, and construed in accordance with, English law, and the parties irrevocably submit to the exclusive jurisdiction of the courts of England and Wales.

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