

WATERCO

EUROPE
ΕΠΙΧΕΙΡΗΣΗ

LTD
ΓΙΔ

WATERCO



WATERCO

water, the liquid of life

Manufacturing Power House

Waterco's R&D division has led to the development of innovative products, meeting the challenges of change in the market place. The key to Waterco's success has been its pioneering fibreglass and plastic moulding techniques, as well as its efficient manufacturing processes.

Waterco acquired Lacron Limited, at the time the UK's largest and most progressive manufacturer of pressure sand filters. Since this acquisition, Waterco has used this UK base for all its European operations.

Mission Statement

To be a proactive company with a strong international presence in the water treatment and related industries.
To provide outstanding customer service and technological support for its growing product range.



Waterco exports to over 40 countries via branches operating in Australia, New Zealand, Malaysia, China, the United Kingdom, United States of America, Canada and Indonesia as well as through international distributors.



Waterco Europe Limited

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Effective 1st January 2021

Transport weights & dimensions

Please find below a list of approximate shipping weights and dimensions for some of our commercial filters and pumps.

MICRON COMMERCIAL:

SMD filters—palletised:

SMD 900	120 x 100 x 220cm	180kgs
SMD 1050	120 x 120 x 220cm	190kgs
SMD 1200	120 x 130 x 220cm	220kgs
SMD 1400	160 x 150 x 220cm	240kgs
SMD 1600	160 x 170 x 220cm	260kgs
SMD 1800	200 x 190 x 220cm	460kgs
SMD 2000	210 x 200 x 220cm	650kgs

SPDD filters—palletised:

SPDD 1050	120 x 120 x 240cm	200kgs
SPDD 1200	120 x 130 x 240cm	220kgs
SPDD 1400	160 x 150 x 240cm	300kgs
SPDD 1600	160 x 170 x 240cm	370kgs
SPDD 1800	200 x 210 x 240cm	680kgs
SPDD 2000	200 x 210 x 240cm	940kgs
SPDD 2200	220 x 230 x 240cm	1058kgs
SPDD 2350	240 x 240 x 240cm	1250kgs

SMDD filters—palletised:

SMDD 750	120 x 100 x 240cm	80kgs
SMDD 900	120 x 100 x 240cm	182kgs
SMDD 1050	120 x 120 x 240cm	200kgs
SMDD 1200	120 x 130 x 240cm	240kgs
SMDD 1400	160 x 150 x 240cm	300kgs
SMDD 1600	160 x 170 x 240cm	380kgs
SMDD 1800	200 x 190 x 240cm	450kgs
SMDD 2000	200 x 210 x 240cm	630kgs
SMDD 2200	220 x 230 x 240cm	800kgs
SMDD 2350	240 x 240 x 240cm	940kgs

Hydron Split tank filters—palletised:

Hydron Split tank 1200	140 x 140 x 240cm	400kgs
Hydron Split tank 1400	160 x 160 x 240cm	586kgs
Hydron Split tank 1600	180 x 180 x 240cm	735kgs
Hydron Split tank 1800	200 x 200 x 240cm	850kgs

LACRON COMMERCIAL:

Lacron HZC filter—palletised:

HZC 42	213 x 112 x 132cm	170kgs
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Lacron finaflo DBF filter—palletised:

DBF 24	120 x 80 x 200cm	46kgs
DBF 30	120 x 80 x 200cm	65kgs
DBF 36	120 x 100 x 200cm	75kgs
DBF 42	120 x 100 x 200cm	180kgs

Lacron LSC filter—palletised:

LSC 36	120 x 100 x 110cm	83kgs
LSC 42	120 x 115 x 120cm	140kgs
LSC 48	120 x 120 x 130cm	150kgs

COMMERCIAL PUMPS:

Hydrostar Plus pump—palletised:

Hydrostar Plus 7.5HP	120 x 80 x 70cm	99kgs
Hydrostar Plus 10HP	120 x 80 x 70cm	109kgs
Hydrostar Plus 12.5HP	120 x 80 x 70cm	115kgs
Hydrostar Plus 15HP	120 x 80 x 70cm	171kgs
BH5000 cast Iron pump 11.3kW	120 x 80 x 70cm	120kgs

IMPORTANT NOTE: weights and dimensions shown are approximate and shown as a guideline only. Details may vary slightly at time of shipping.



CLIMATECARE
CERTIFIED

THE NEW BENCHMARK IN **ENVIRONMENTAL SUSTAINABILITY** FOR SWIMMING POOLS & SPAS



The Climate Care Certification Program is an initiative of the Swimming Pool & Spa Association of Australia Ltd (SPASA Australia).

It is the industry's efficiency and sustainability certification program.

A CLIMATE CARE CERTIFIED PRODUCT, SYSTEM OR INSTALLATION / RETROFIT / CONSTRUCTION IS ONE THAT CREATES A NEW BENCHMARK FOR SWIMMING POOLS AND SPAS WHICH UTILISES:

- ✓ WATER EFFICIENCY / SUSTAINABILITY
- ✓ ENERGY EFFICIENCY
- ✓ NOISE REDUCTION MEASURES
- ✓ ENVIRONMENTALLY SUSTAINABLE DESIGNS
- ✓ EFFICIENCY / SUSTAINABILITY / INNOVATION

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Product Catalogue

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Spare Parts Catalogue

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MPVs

4 way 1.5" / 50mm
6 way 1.5" / 50mm
6 way 2" / 63mm
6 way 2.5" / 75mm
6 way 3" / 90mm
Commercial 4" / 110mm

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MultiCyclone

MultiCyclone 12 Plus / Ultra
MultiCyclone 16 Plus / Ultra
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MultiCyclone 16 (standard)
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Hydrostar Plus
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Britestream light
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General Equipment

Top load cartridge filter
Air Blowers
Commandomatic Trimline filter
W & WD deep bed filter

Terms and Conditions of Sale

1. PURCHASES

We request that orders be made in writing using product code numbers and descriptions as published in our price list. This will minimise the possibilities of errors.

2. DELIVERY

Delivery time will be 14 days from receipt of orders in the case of material available ex-stock. Where items are out of stock, we will specify supply date immediately upon receipt of order. Supply date is the date material leaves our warehouse as we cannot be held responsible for changes in shipping schedules or shipping delays.

3. PAYMENT

Irrevocable Letter of Credit, with partial shipment allowed or payment in advance by telegraphic transfer unless credit arrangements have been approved. Orders below £3,500.00 (ex-Sydney, Australia or ex-Kuala Lumpur, Malaysia) will be accepted only on a prepayment basis unless credit arrangements have been approved.

4. MINIMUM ORDER

There is a minimum order of £3,500.00 for sales from either Waterco Limited (ex-Sydney, Australia) or sales from Waterco (Far East) Sdn. Bhd. (ex-Kuala Lumpur, Malaysia). Handling charge of £150.00 applies for orders below £3,500.00 however, this minimum order amount will not apply to sample orders, or depending on agreement, for a distributor start-up situation. Minimum order value for Waterco Europe is £40.00 (excluding taxes and freight) or a surcharge of £20.00 will apply.

5. PRICES

Prices are inclusive of standard packing ex-warehouse and in £. Waterco Europe Ltd reserves the right to change the price without prior notice.

6. WARRANTY

All Waterco Europe Ltd products are manufactured using the finest quality materials available and are subjected to the most stringent quality and performance tests. Our products are warranted from date of purchase, as follows:- (for residential pools)

Labour	1 year warranty on all products
Pumps - Domestic	3 years pump housing. 2 years motor and pump components and 1 year mechanical seal. For sea water/aquarium applications, 6 months if the pump is originally supplied by Waterco fitted with a silicone carbide mechanical salt water seal.
Pumps - Commercial	3 years wet end housing. 1 year motor excluding mechanical seal. For sea water/aquarium applications pump must be supplied fitted with a silicone carbide mechanical seal for motor warranty to be valid.
Domestic	
Micron (Tank Only)	10 years
Components	1 year
Exotuf Filter (Tank Only)	10 years (5 years full + 5 years pro rata warranty)
Components	1 year
Trimline Cartridge Filter (Tank Only)	10 years (5 years full + 5 years pro rata warranty)
DE Filters	5 years (3 years full + 2 years pro rata warranty)
Components	1 year
Accessories	1 year, excluding light bulbs
Lacron Sand Filters	10 years (5 year full + 5 years pro rata warranty) tank warranty, other components 1 years.
Heat Pumps	10 years Heat Exchanger, 3 years compressor, 2 year all other parts
Commercial Micron filters	10 year tank warranty (5 years full, 5 years pro rata)
Aquabiome bead filter	1 year
Components	1 year

This warranty does not cover any failure in service caused by improper installation, or improper operation as a result of non-compliance with the maintenance and installation manual. Nor is any failure as a result of fire, wreckage, freezing, willful abuse, improper repackaging or damage incurred in transportation. Warranty will also not cover consequential damage resulting from any failure in service. Faulty parts will be replaced free of charge, after inspection by our Quality Control Department. For full list of warranty and restocking fees please see p.120-123.

7. ORDERS

The customer shall, within fourteen (14) days upon receipt of a completed order, report to Waterco Europe Ltd in writing, all incorrect deliveries. Deliveries shall be assumed to be correct and no adjustment shall be made unless such notice is provided to Waterco Europe Ltd within fourteen (14) days of the date of receipt of the goods. No stock returns will be accepted without prior written agreement from Waterco Europe Limited.

8. OWNERSHIP OF GOODS

Ownership of the goods in all cases shall be retained by Waterco Europe Ltd until payment is made for such goods and for all goods supplied by Waterco Europe Ltd to the customer and such payment is received in full. In the event that the customer fails to make payment within the due time stipulated by Waterco Europe Ltd, Waterco Europe Ltd shall have the right to enter upon the premises of the customer and to regain possession of the said goods. In the event that such goods are sold by the customer prior to payment thereof, or if they shall become constituents of other goods, then the proceeds of sale thereof shall be the property of Waterco Europe Ltd.

9. DISPUTES

Any dispute must be received in writing by Waterco Europe Ltd within 14 days of receipt of goods.

Conversion Tables

SOME USEFUL CONVERSIONS

Kilowatts	x	3412	=	B.T.U.	Ft ³	x	0.0283	=	m ³
Kg	x	2.205	=	Pounds	Ft ³	x	6.2288	=	Gallons (imperial)
H.P.	x	0.7457	=	Kilowatts	m ³	x	220	=	Gallons (imperial)
Inches	x	2.540	=	Centimetres	imp Gallons	x	4.5461	=	Litres
Feet	x	0.3048	=	Metres	Ft ³	x	28.317	=	Litres
Sq. Ft.	x	0.0929	=	Sq. Metres	m ³	x	1000	=	Litres

Imperial Gallon	=	1.201	US Gallons	1m ³	=	220	Imperial Gallons
	=	0.004546	m ³		=	264.20	US Gallons
	=	4.546	litres		=	1,000	litres
US Gallons	=	0.833	Imperial Gallons	1 Litre	=	0.2200	Imperial Gallons
	=	0.003785	m ³		=	0.2640	US Gallons
	=	3.785	litres		=	0.0010	m ³

UPVC & ABS IMPERIAL PIPE - DIMENSIONS AND FLOW RATES

PIPE SIZE	PIPE CLASS	OUTSIDE DIAMETER	INTERNAL DIAMETER	CROSS SECTION AREA	SUCTION FLOWRATE MAX FLOW AT 1.2m/ sec VELOCITY		RETURN FLOWRATE MAX FLOW AT 2.0m/ sec VELOCITY	
inches		inches	inches	square inches	gal/hour	m ³ /hour	gal/hour	m ³ /hour
0.5"	E	0.842	0.692	0.376	232	1.1	386	1.5
0.75"	E	1.053	0.888	0.619	381	1.7	634	2.4
1"	E	1.321	1.102	0.954	587	2.7	978	3.7
1.25"	E	1.663	1.409	1.559	959	4.4	1598	6.0
1.5"	C	1.900	1.609	2.032	1250	5.7	2084	7.8
2"	C	2.375	2.137	3.586	2206	10.0	3677	13.9
3"	E	3.500	3.012	7.124	4382	19.9	7305	27.6
4"	E	4.500	3.846	11.615	7145	32.5	11910	45.0

HEAD AND PRESSURE

1ft Head	=	0.3048	metres head	1metre Head	=	3.281ft	ft Head
	=	0.4335	psi		=	1.422	psi
	=	0.02989	bar		=	0.09807	bar
	=	0.8827	inch/hg vacuum		=	2.896	inch/hg vacuum
	=	0.03048	kgf/cm ²		=	0.1000	kgf/cm ²

EQUIVALENT				
METRIC			IMPERIAL	
Outside Dia.	Outside Dia. (Imperial)		Nominal Bore	Outside Dia. (Imperial)
20mm	0.67"	←-----→	3/8"	0.675"
None	-	←-----→	1/2"	0.842"
25mm	0.98"	←-----→	3/4"	1.053"
32mm	1.26"	←-----→	1"	1.321"
40mm	1.58"	←-----→	1 1/4"	1.663"
50mm	1.97"	←-----→	1 1/2"	1.900"
63mm	2.48"	←-----→	2"	2.375"
75mm	2.95"	←-----→	2 1/2"	2.960"
90mm	3.54"	←-----→	3"	3.500"
110mm	4.33"	←-----→	4"	4.500"
125mm	4.92"	←-----→	none	-
140mm	5.51"	←-----→	5"	5.520"
160mm	6.30"	←-----→	6"	6.625"

IMPORTANT NOTE: When referring to pipe sizes, metric pipe is quoted by its actual outside diameter. Imperial pipe is quoted by its nominal bore or inside diameter.

Contents

VALVES

FILTERS

COMMERCIAL FILTERS

MEDIA

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MAINTENANCE EQUIPMENT

POOL WATER RECIRCULATION

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AQUACULTURE

PURIFICATION SYSTEMS

Valves

Valves



Waterco Valves



Flow Check Valve 180°



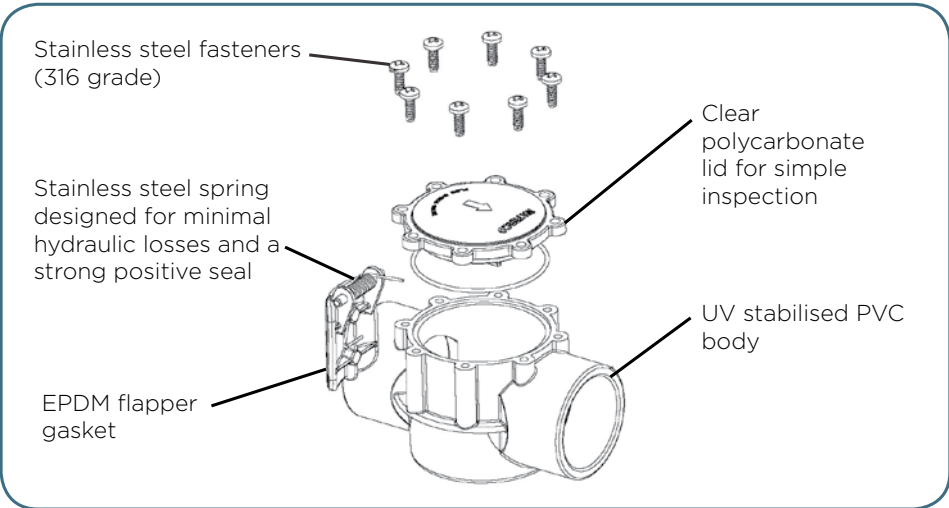
Flow Check Valve 90°

- Eliminate the loss of prime on the suction side of a pump.
- Prevent the drain down of water towards pumps and filters.
- Prevent water flow in an unwanted direction.

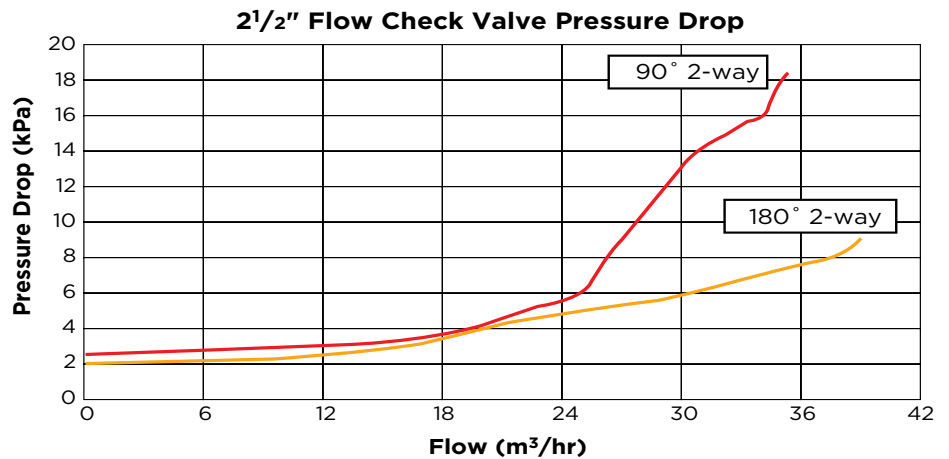
FLOW CHECK NON RETURN VALVE

Part No.	Product Description	Nom. Size	Price
14653	Flow Check Valve 180°	63/75mm	£45.50
14651	Flow Check Valve 180°	2"/2½"	£45.50
146539	Flow Check Valve 90°	63/75mm	£45.40
146519	Flow Check Valve 90°	2"/2½"	£45.40

The Flow Check Valve has been designed to be simple to install, inspect and service. With a stainless steel spring designed for minimal hydraulic losses and a stronger positive seal, it is ideal for both inlet and return lines.



The Flow Check Valve's pressure rating of 4 bar (58 psi) and its 316 stainless steel fasteners make it suitable for domestic and commercial applications.



Waterco Valves



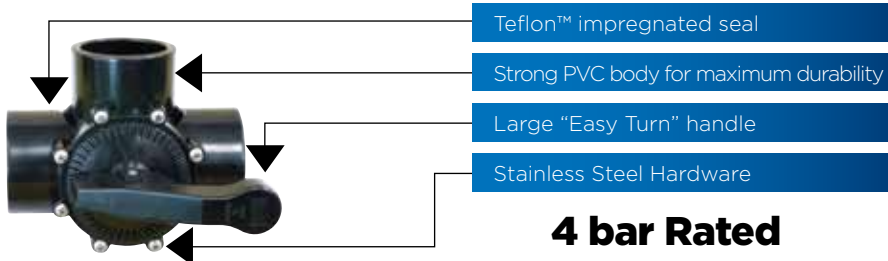
2 way valve 14856



3 way valve 14860

MANUAL FPI VALVES - with teflon seals

Part No.	Product Description	Nom. Size	Price
14852	2 Way Valve slip fit - Teflon™ impregnated seals	1½"/2"	£35.60
14853	3 Way Valve slip fit - Teflon™ impregnated seals	1½"/2"	£38.00
148523	2 Way Valve slip fit - Teflon™ impregnated seals	50mm	£35.60
148533	3 Way Valve slip fit - Teflon™ impregnated seals	50mm	£38.00
14856	2 Way Valve slip fit - Teflon™ impregnated seals	2"/2½"	£43.80
14860	3 Way Valve 360° slip fit - Teflon™ impregnated seals	2"/2½"	£45.50
148563	2 Way Valve slip fit - Teflon™ impregnated seals	63/75mm	£43.80
148603	3 Way Valve 360° slip fit Metric- Teflon™ impregnated seals	63/75mm	£45.50



Teflon™ seals

Teflon™ seals offer minimal friction and smooth operation.

Quick installation

The FPI valve body is made from UPVC. Its compatibility with PVC pipes will ensure quick setting and a stronger bond.

Engineered strength

Both the FPI Valve lid and handle are constructed from premium ABS plastic. The valve's steel components are constructed from high quality 316 grade stainless steel.

High pressure rating

The advanced design and construction of the FPI valves enable them to withstand a working pressure of 4 bar (58 psi).



FPI VALVES ACTUATOR

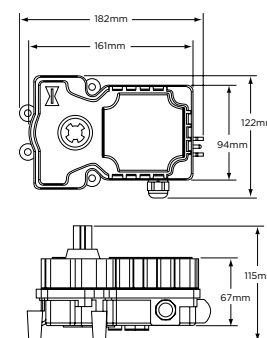
Part No.	Product Description	Price
3652607	24VAC FPI Valve Actuator	£528.30

For compatible valves please see below

- **Designed to operate 2-way and 3-way FPI valves**
- **Adjustable cam rotates diverter valves to multiple degree settings**
- **Provides automatic control of valves for water features, pool/spa combinations, solar collectors and pool cleaners**
- **Retro-fits into all pool/spa control systems offered in the market**

Specifications

Voltage	24 VAC
Amps	0.65
Torque	250 inch pounds (288 kilograms force centimeter)
Material	Housing - Noryl; Gears - steel
Grease	MoS2 Lubricant
Cord length	15' (457.2 cm)
Rated	Outdoor use



ACTUATOR FPI VALVES - SUITABLE FOR USE WITH 3652607 VALVE ACTUATOR

Part No.	Product Description	Price
148584	3 Way Valve Slip-fit Teflon impregnated seal 2"/2½"	£56.60
148564	2 Way Valve Slip-fit Teflon impregnated seal 2"/2½"	£53.90

The actuator FPI valve is specifically designed to be used in conjunction with the FPI valve actuator (3652607 above).

By simply unscrewing the thumb screw the valve handle can be removed and the valve actuator fitted.



Part code: 22804456EUM



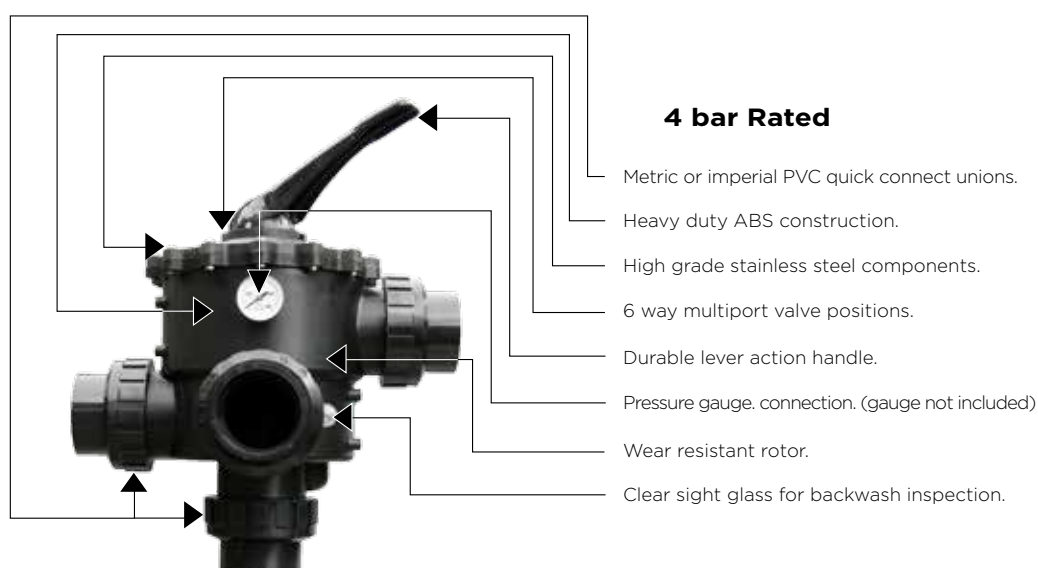
Part code: 2290900



Part code: 2290512EURO

MULTIPORT VALVE TABLE

Part Number	Product Description: MPV TYPE	SUITS FILTER MODEL
TOP MOUNT MPVs		
All valves come complete with PVC quick connect unions and air-relief valve		
2280424	1 1/2" / 50mm clamp type	E400 / E450
22804221EUM	1 1/2" / 50mm clamp type	E500, E600 / E500+ / E600+
228042EURO	1 1/2" / 50mm threaded type	S500 - 700; Lacron TM 18", 20", 24"; Lacron Plus TM 20", 24"
22804416EUM	1 1/2" / 50mm threaded type	S500 - S700 4bar
2280262EURO	1 1/2" / 50mm collar type 4" opening	W250 - 700; WD300 - 700; SD400 - 600
2280443EUM	1 1/2" / 50mm collar type 10" opening	S600 & S700 Premium
228053EURO	2" / 63mm 12-stud type	S702 - 900; SD750 - 900
228058EUM	2" / 63mm clamp type 8" opening	E602+ / E702+
22806001	2 1/2" / 75mm collar type 12" opening	S1050 / S1200 12" Neck
SIDE MOUNT MPVs		
2290422	1 1/2" / 50mm MPV suits sweep elbow - 121558	LSR16"- 24"; LSR Plus 20"- 24"; LFW20"- 28"; E500+ / E600+ SM; SM400 - 600
2290512EURO	2" / 63mm suits sweep elbow - 121559	SM700 - 900; LFW30"; E602+ / E702+ SM; Lacron Plus 30" with offset adaptor
4104	2" / 63mm suits sweep elbow - 121590	Lacron LSR30" / MBF 30"
22905123	2" / 63mm rigid pipe , without sweep elbow, pitch 214mm	Lacron LSR30"
22905124	2" / 63mm rigid pipe , without sweep elbow, pitch 300mm	Lacron LSR36 2" ; MBF 30"
22905040	2 1/2" / 75mm c/w p/kit	SM1050 - 1200 2 1/2"
2290900	3" / 90mm MPV only w/o p/kits	SM/SMD900-1600; SMDD900-1200; SPDD1050-1200
2290905	3" / 90mm c/w p/kits	SM/SMD900-1600
2291100	4" / 110mm MPV only w/o p/kits	SMD 1600-2000 ; SMDD1600 - 2000 ; SPDD1400-1600
2291105	4" / 110mm c/w p/kits	SMD1600-SMD2000



Waterco Multiport Valves

Constructed from heavy duty ABS and GFPP, Waterco Multiport valves are designed for maximum performance and working pressures. Waterco's entire range of Multiport valves are engineered to withstand a working pressure of up to 4 bar (58 psi) with a test pressure of 6 bar (87 psi).

Waterco Valves



Part code:22804416EUM



Part code:228058EUM



Part code: 2290422



Part code: 4104

WATERCO DOMESTIC MULTIPORT VALVES

Part No.	Product Description	Nom. Size	Price
All valves are complete with PVC quick connect unions & air relief valve			
Top Mount MPV			
22804410	Top Mount 6 way valve	1 1/2"/50mm	£190.30
22804416EUM	Top Mount 6 way valve	1 1/2"/50mm	£190.30
2280443EUM	Top Mount 6 way Collar Type (old style Thermoplastic)	1 1/2"/50mm	£219.60
2280445EUM	Top Mount 6 way Clamp Style (T600)	1 1/2"/50mm	£207.80
22804221EUM	Top Mount 6 way Clamp Style (E500 & E600)	1 1/2"/50mm	£207.80
2280424	Top Mount 6 way Clamp Type Valve(E400, E450, T400-500)	1 1/2"/50mm	£207.80
228053EURO	Top Mount 6 way valve c/w quick connect unions	2"/63mm	£260.30
2280262EURO	Top Mount slip fit Valve	2 1/2"/75mm	£245.80
228058EUM	Clamp Type Valve (Exotuf E702)	2"/63mm	£207.90

Side Mount MPV only

2290422	SM MPV only (suits sweep elbow) c/w 1 1/2 imperial & 50mm metric quick connect unions	1 1/2"/50mm	£151.60
2290512EURO	SM MPV only (suits sweep elbow) c/w 2" imperial & 63mm metric quick connect unions	2"/63mm	£210.30
4104	Lacron SM valve - white	2"	£210.30

Sweep Elbow Kits - Waterco Filters

121558	1 1/2" Waterco Sweep Elbow Kits with o-ring	1 1/2"	£25.50
121559	2" Waterco Sweep Elbow Kits with o-ring	2"	£30.40

FILTER TANK TO MPV PLUMBING KITS - Lacron Filters

Part No.	Product Description		Price
Old Style Lacron LSR Filters (pre 2004)			
1215580	18/24" tank - 1 1/2" Plumbing kit Sweep Elbow with gasket	1 1/2"	£40.90
New Style - Lacron LSR WFE Filters (post 2004)			
121558	16/18/20/24" tanks Plumbing kit with o-ring	1 1/2"	£25.50
1215590	30" tank Plumbing kit with gasket	2	£45.50

PLEASE NOTE: 1 1/2" Lacron filters manufactured pre 2004 will have union adaptors (Barrel Unions) with flat gaskets. 1 1/2" Lacron filters manufactured post 2004 will have union adaptors (Barrel Unions) with 'O' rings

WATERCO PRESSURE GAUGES

Part No.	Product Description	Price
62109BLANK	Pressure Gauge Back Mount Air Filled 60psi / 400kPa - Exotuf / Exotuf Plus	£30.00
W02703	Pressure Gauge Side Mount Air Filled 400kPa - Fulflo / Trmiline / Multicyclone	£9.10
621621	Pressure Gauge 110mm - 600 kPa - Commercial Filters	£200.60
621632	Pressure Gauge Side Mount (Oil Filled) 400 kPa (SD series) - for Micron / Opal / Aquabiome	£34.50
621612	Pressure Gauge (air filled) Bottom mount- (35PSI/2.5bar) - Lacron & Bead filters	£23.10

WATERCO COMMERCIAL 4 bar 6 WAY MULTIPORT VALVES

Part No.	Product Description	Nom. Size	Price
All valves come complete with PVC quick connect unions & air relief valve.			
Side Mount			
2290501	2½"/75mm Side Mount MPV only	2½"/75mm	£305.30
22905040	2½"/75mm Side Mount MPV c/w plumbing kit (SMD only)	2½"/75mm	£394.40
2290900	3"/90mm Side Mount MPV only	3"/90mm	£579.70
2290905	3"/90mm Side Mount MPV c/w plumbing kit (SMD only)	3"/90mm	£745.10
2291100	4"/110mm Side Mount MPV only	4"/110mm	£1,170.30
2291105	4"/110mm Side Mount MPV c/w plumbing kit (SMD only)	4"/110mm	£1,316.00
Top Mount			
2280600	2½"/75mm Top Mount MPV only	2½"/75mm	£488.20
228800	3"/90mm Top Mount MPV only	3"/90mm	£610.60



Part code: 2290900



Part code: 2291100



Part code: 2290905



Part code: 22905040

Filters





MULTICYCLONE

CENTRIFUGAL WATER FILTRATION

WATERCO MULTICYCLONE FILTER

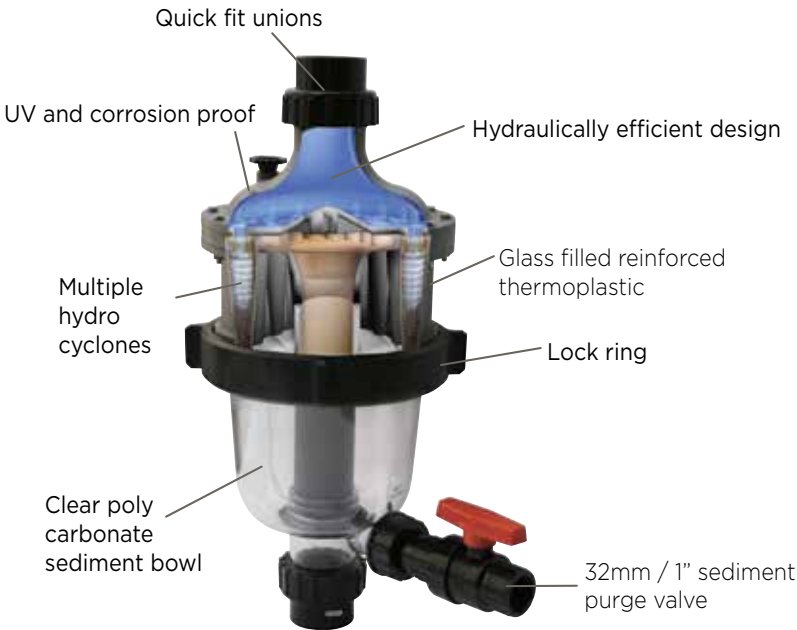
Part No.	Product Description	Nom. Size	Price
200374	MultiCyclone MC12	1½" / 50mm	£359.60
200375	MultiCyclone MC16	2" / 63mm	£473.90
For base stands please see page 21			



MC16



MC12

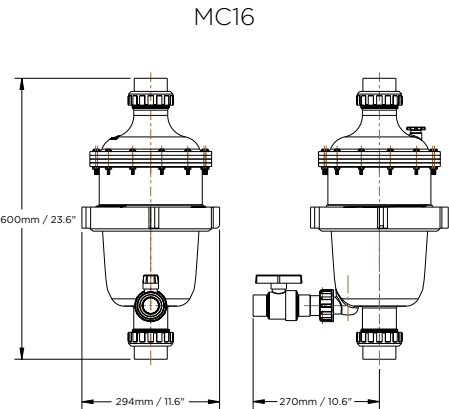


Incoming water enters hydro-cyclones tangentially, generating a strong centrifugal effect. The sediment is spun out to the hydro-cyclone's wall, and then spirals down to the sediment chamber. The filtered water migrates towards the centre of the hydro cyclone where the flow reverses and spirals upwards through the outlet.

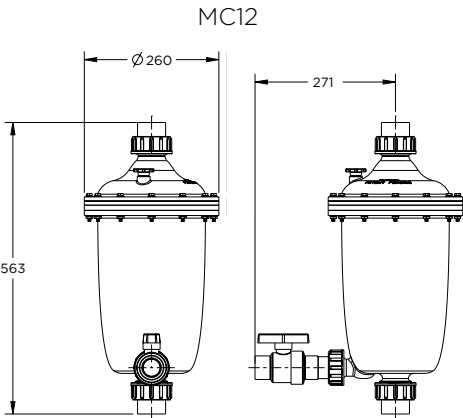
Accumulation of sediment can be visibly monitored through the MultiCyclone's clear sediment chamber.

The MultiCyclone is easily cleaned by opening the valve. Only 15 litres of water is discharged to cleanse the MultiCyclone.

MultiCyclone is easy to install and fits to most existing filtration systems. There are no moving parts to wear out and replace and it's backed by Waterco's 2 year warranty.



MC16



MC12



Specifications

Model	Hydrocyclones	Connection Ports	Minimum Flow	Maximum Flow	Maximum Pressure
MultiCyclone MC12	12	1½" / 50mm	2.4m³/hr	18m³/hr	350 kPa (50psi) 3.5 bar
MultiCyclone MC16	16	2" / 63mm	3m³/hr	30m³/hr	350 kPa (50psi) 3.5 bar

General Filters



MULTICYCLONE PLUS

CENTRIFUGAL WATER FILTRATION

WATERCO MULTICYCLONE FILTER

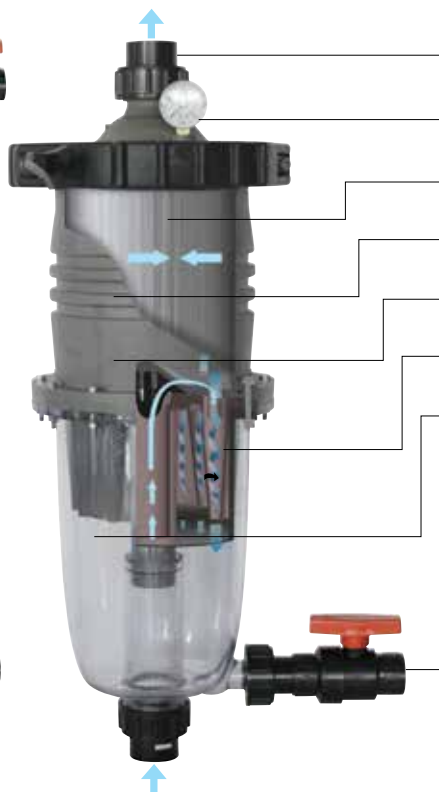
Part No.	Product Description	Nom. Size	Price
200380	MultiCyclone Plus MC12 c/w 40sqft. Cartridge	1 1/2" / 50mm	£566.40
200381	MultiCyclone Plus MC16 c/w 40sqft. Cartridge	2" / 63mm	£684.20
For replacement cartridges please see p8 spares catalogue			
For base stands please see page 21			

Filters

MC12 (40)



MC16 (40)



Imperial / Metric quick fit unions

Pressure gauge

40ft² pleated filter cartridge

Glass filled thermoplastic

Hydraulically efficient design

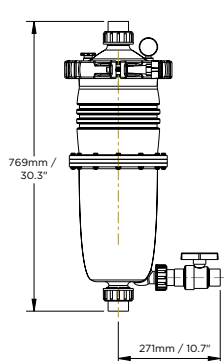
12 / 16 hydrocyclones

Clear polycarbonate sediment chamber

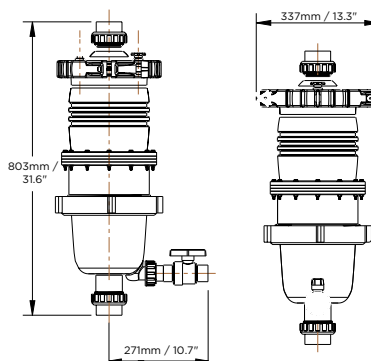
1" / 32mm purge valve

The Multicyclone Plus has all the benefits of the ever popular Multicyclone with the addition of a 40ft² cartridge filter located in the upper housing. Incoming water enters the hydrocyclones tangentially, generating a strong centrifugal effect. The sediment particles are then spun out to the hydrocyclone's wall, and spiral down into the sediment chamber. The filtered water then migrates towards the centre of the hydrocyclone where the water reverses and spirals upwards and through a 40ft² cartridge element before exiting the Multicyclone Plus. The addition of the cartridge element provides the highest standard of filtration possible with very little need for cleaning. The majority of the sediment is removed by the hydrocyclones. The sediment level can be visually monitored through the Multicyclones clear sediment bowl. The pressure gauge located at the top of the unit indicates when the cartridge requires cleaning. The cartridge can easily be removed by undoing the locking ring.

MultiCyclone 12 Plus



MultiCyclone 16 Plus



Specifications

Model	Hydrocyclones	Connection Ports	Minimum Flow	Maximum Flow	Filter Area	Maximum Pool Size	Maximum Pressure
MultiCyclone Plus MC12	12	1 1/2" / 50mm	2.4m ³ /h	9m ³ /h	40ft ² / 3.7m ²	55m ³	350 kPa (50psi) 3.5 bar
MultiCyclone Plus MC16	16	2" / 63mm	3m ³ /h	9m ³ /h	40ft ² / 3.7m ²	80m ³	350 kPa (50psi) 3.5 bar



MULTICYCLONE ULTRA

CENTRIFUGAL WATER FILTRATION

WATERCO MULTICYCLONE FILTER

Part No.	Product Description	Nom. Size	Price
200382	MultiCyclone Ultra MC12 (75) c/w 75sqft. Cartridge	1½" / 50mm	£669.30
200383	MultiCyclone Ultra MC16 (75) c/w 75sqft. Cartridge	2" / 63mm	£790.40
For replacement cartridges please see p.9 spares catalogue			
For base stands please see page 21			

MC12 (75)

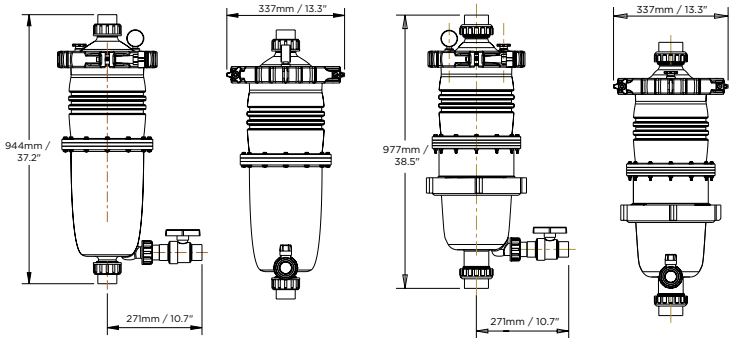
MC16 (75)

- Imperial / Metric quick fit unions
- Pressure gauge
- Hydraulically efficient design
- Glass filled thermoplastic
- 75ft² pleated filter cartridge
- 12 / 16 hydrocyclones
- Clear polycarbonate sediment chamber
- 1" / 32mm purge valve

The Multicyclone Ultra has all the benefits of the ever popular Multicyclone with the addition of a 75ft² cartridge filter located in the upper housing. Incoming water enters the hydrocyclones tangentially, generating a strong centrifugal effect. The sediment particles are then spun out to the hydrocyclone's wall, and spiral down into the sediment chamber. The filtered water then migrates towards the centre of the hydro cyclone where the water reverses and spirals upwards and through a 75ft² cartridge element before exiting the Multicyclone Ultra. The addition of the cartridge element provides the highest standard of filtration possible with very little need for cleaning. The majority of the sediment is removed by the hydrocyclones. The sediment level can be visually monitored through the Multicyclones clear sediment bowl. The pressure gauge located at the top of the unit indicates when the cartridge requires cleaning. The cartridge can easily be removed by undoing the locking ring.

MultiCyclone 12 Ultra

MultiCyclone 16 Ultra



Specifications

Model	Hydrocyclones	Connection Ports	Minimum Flow	Maximum Flow	Filter Area	Maximum Pool Size	Maximum Pressure
MultiCyclone Ultra MC12	12	1½" / 50mm	2.4m³/h	13.5m³/h	75ft² / 6.9 m²	81m³	3.5 bar 350 kPa (50psi)
MultiCyclone Ultra MC16	16	2" / 63mm	3m³/h	16.8m³/h	75ft² / 6.9 m²	100m³	3.5 bar 350 kPa (50psi)



7 BAR

MULTICYCLONE PRO

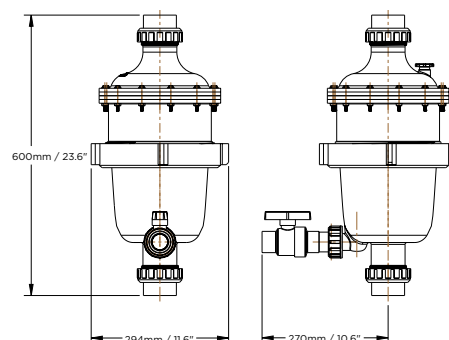
INDUSTRIAL CENTRIFUGAL WATER FILTRATION

WATERCO MULTICYCLONE FILTER

Part No.	Product Description	Nom. Size	Price
200386	MultiCyclone Pro 7 bar pre-filter	2" / 63mm	£1,053.10

The MultiCyclone Pro has all the benefits of the standard MultiCyclone model with the added benefit of being able to withstand higher pressure. Rated to 7 bar the MultiCyclone Pro is specifically designed for the more demanding industrial market.

Manufactured using UV and corrosion resistant glass-filled reinforced thermoplastic the MultiCyclone Pro offers all water saving benefits of our MultiCyclone technology together with the strength and durability necessary for an industrial installation.



Specifications

Model	Hydrocyclones	Connection Ports	Minimum Flow	Maximum Flow	Maximum Pressure
MultiCyclone Pro	16	2" / 63mm	3m³/hr	30m³/hr	690 kPa (100psi) 7bar



MultiCyclone Base standard
Dimensions: 360mm (H) x 360mm (W) x 329mm (D).

WATERCO MULTICYCLONE BASE STANDS

Part No.	Product Description	Price
200372	MultiCyclone Base standard	£72.40
2003730	MultiCyclone Base - over pump version	£110.20

MultiCyclone base stands are suitable for:

- MultiCyclone 12 & 16
- MultiCyclone Plus 12 & 16
- MultiCyclone Ultra 12 & 16



Over pump stand
Dimensions:
795mm (H) x
440mm (W) x
350mm (D)



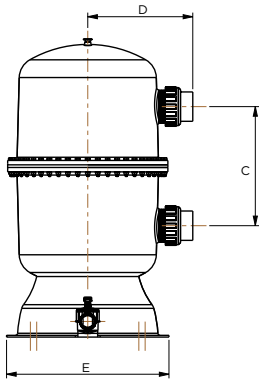
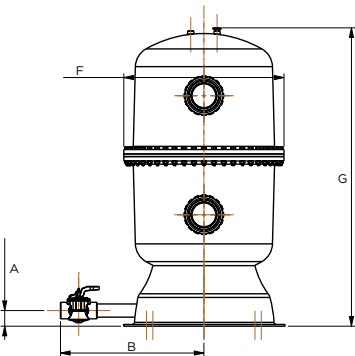
General Filters

Filters



The MultiCyclone Commercial 70XL is the latest addition to the MultiCyclone range. Although very different in appearance to the previously released models, this unit still has all the water and energy saving benefits of the standard MultiCyclone model. Specifically designed for commercial installations, the MultiCyclone Commercial XL70 has 4 " / 110mm ports and uses 70 cyclones allowing it to function with a flow rate of 90m³/hr.

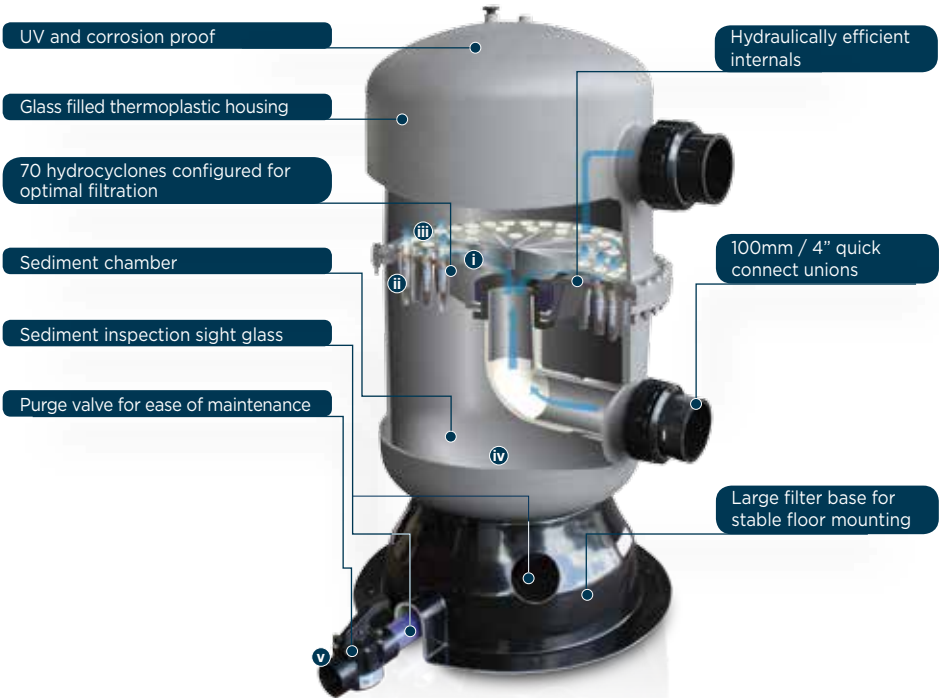
The debris can be seen through the clear sight glass and flushed out of the purge valve.



MULTICYCLONE 70 XL COMMERCIAL
COMMERCIAL CENTRIFUGAL WATER FILTRATION

WATERCO MULTICYCLONE FILTER

Part No.	Product Description	Nom. Size	Price
200393	MultiCyclone 70 XL Commercial	4" / 110mm	£2,536.90



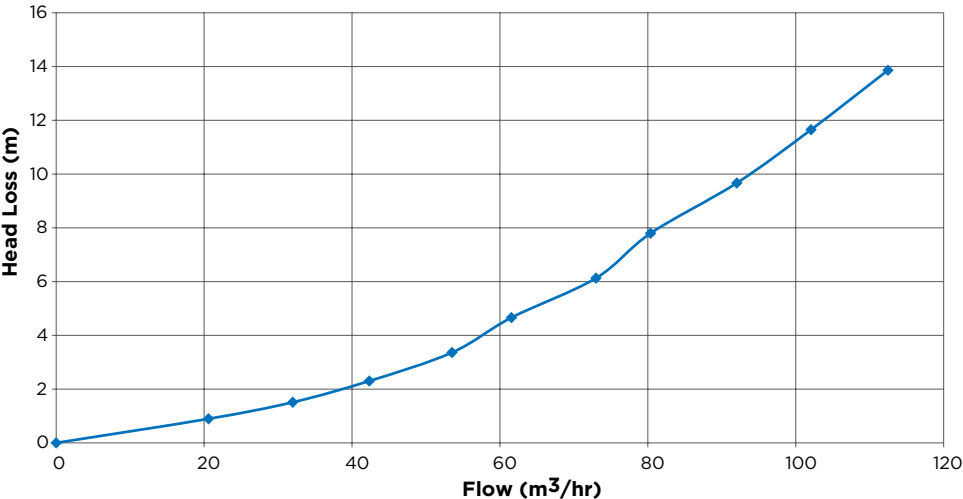
Specifications

Model	Connection Ports	Minimum Flow	Maximum Flow	Maximum Pressure
MultiCyclone 70 XL Commercial	4" / 110mm	36m ³ /hr	90m ³ /hr	3.5 bar 350 kPa (50psi)

Dimensions (mm)

Model	A	B	C	D	E	F	G
MultiCyclone Commercial Pre-Filter	710	654	542.5	478.5	740	730	1359

MultiCyclone 70XL Head Loss Curve

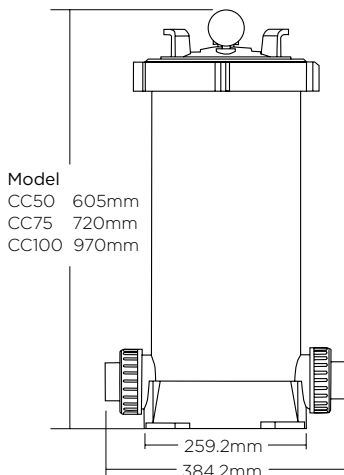
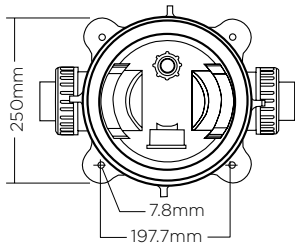


General Filters



Trimline cartridge filters are compact, economical filters designed to effectively filter out suspended solids from your pool or body of water.

Trimline cartridge filters utilise a specially treated synthetic fabric which is pleated into a cartridge. Cartridge filters are ideal for applications where backwashing may not be practical.



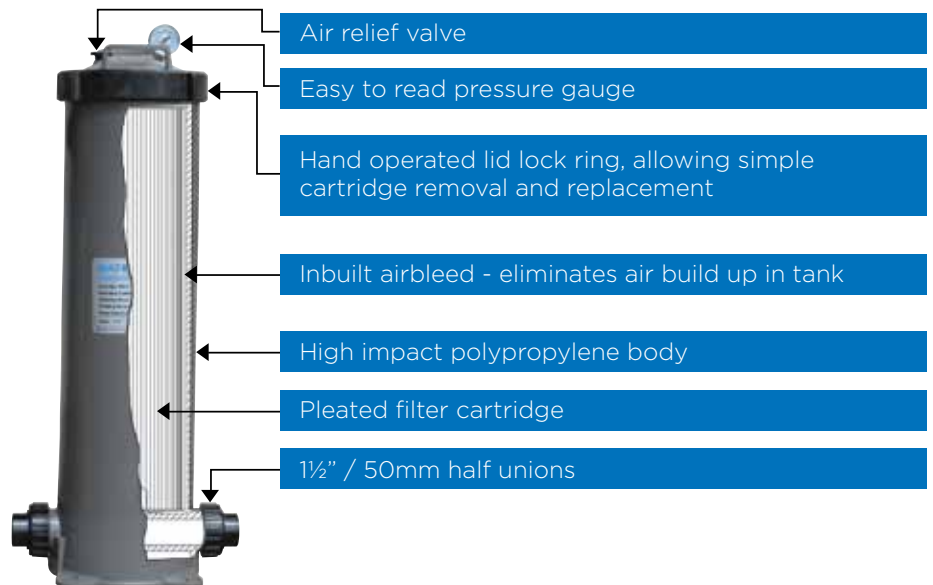
WATERCO TRIMLINE CARTRIDGE FILTERS - 3.5 bar pressure rating

Part No.	Product Description	Nom. Size	Price
	Filter supplied with both 1½" imperial and 50mm metric quick connect unions.		
21450EU	Trimline CC50 incl. cartridge	50 sq.ft	£297.30
21475EU	Trimline CC75 incl. cartridge	75 sq.ft	£371.60
214100EU	Trimline CC100 incl. cartridge	100 sq.ft	£449.50

N.B. For replacement cartridges please see p.14 spares catalogue

Specifications

Model	Maximum Area	Dom. flow m ³ /hr	Working Pressure		Max. Pool Size	Overall Weight
	m ²		bar	psi	m ³	kg
CC50	4.6	11.4	3.5 / 50		60	8.6
CC75	6.9	16.5	3.5 / 50		90	10.5
CC100	9.3	22.88	3.5 / 50		120	14.0



Trimline Pleated Filter Cartridge

The Trimline pleated filter cartridges are fabricated from pleated reusable polyester fabric. The media has been pleated to provide 4.6 to 9.3 square metres of surface area in order to maximise the cartridge dirt holding capacity and extend the time between cleaning.

Material : Polyester Fabric material, Vinyl Plastisol end caps and a Polypropylene core

Operating Temperature : 4°C to 50°C

Maximum Pressure Drop : 0.2 bar / (3psi)

Simple Maintenance

The filter cartridge is easily cleaned by hosing the pleats with a standard garden hose.



General Filters

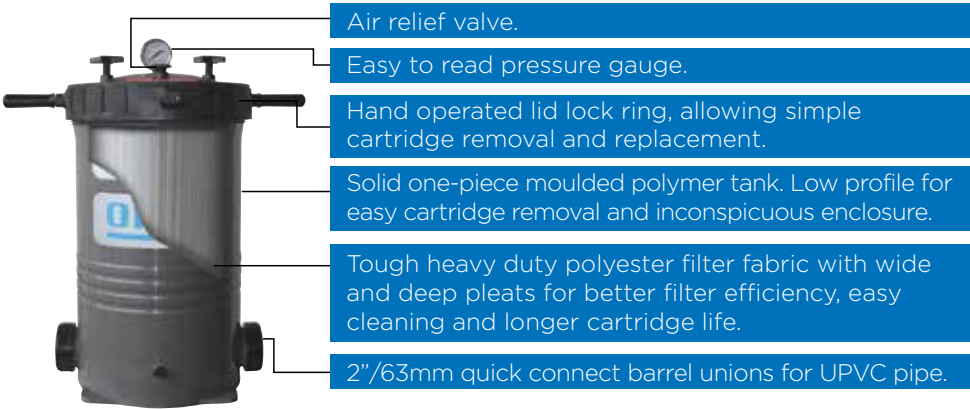
Filters



OPAL CARTRIDGE FILTER 3.5 bar pressure rating

Part No.	Product Description	Nom. Size	Price
2171350EUM	Opal Cartridge Filter 135	135 sq.ft	£594.00
2171800EUM	Opal Cartridge Filter 180	180sq.ft	£603.40

N.B. For replacement cartridges please see p.15 spares catalogue



Constructed from high impact polypropylene and designed for easy maintenance, Opal cartridge filters house a large filter cartridge to maximise its dirt holding capacity and minimise filter maintenance, leading to significant water savings.

- The screw-down lid requires no clamps or tools for simple cartridge removal and replacement
- 2" / 63mm inlet and outlet ports for maximum flow and minimum back pressure
- Heavy duty extra large pleated filter cartridge
- Tank drain point as standard

Specifications

Model	Filter Area		Max Flow Rate m³/hr	Working Pressure		Max Pool Size m³
	(m²)	(ft²)		bar	psi	
Opal 135	12.5	135	30	3.5	50	180
Opal 180	16.7	180	30	3.5	50	180

Pleated Filter Cartridge

The Opal Filter's cartridges are fabricated from pleated reusable polyester fabric. The media has been pleated to provide 12.5m² to 16.7m² of surface area in order to maximise the cartridge dirt holding capacity and extend the time between cleaning.

Material : Polyester Fabric material, Vinyl Plastisol end caps and a Polypropylene core

Operating Temperature : 4°C to 50°C

Maximum Pressure Drop : 0.2 bar / (3 psi)

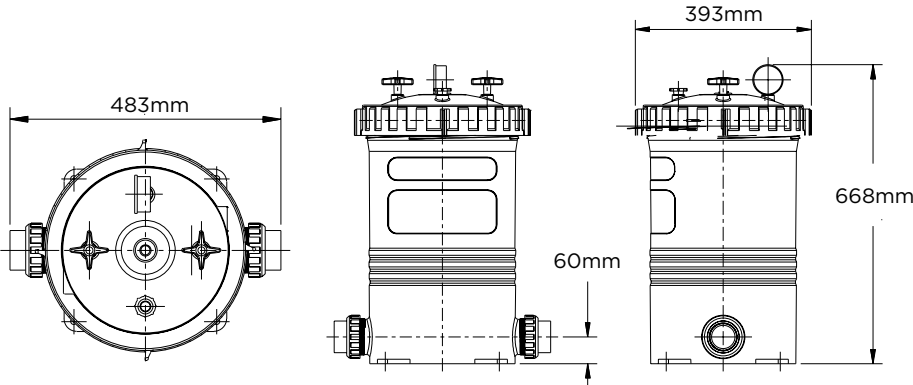


Simple Maintenance

The filter cartridge is easily cleaned by hosing the pleats with a standard garden hose.



*as part of dual filtration system



General Filters



Constructed from high impact polypropylene and designed for easy maintenance, Opal XL cartridge filters house an extra large filter cartridge to maximise its dirt holding capacity and minimise filter maintenance, leading to significant water savings.

- The screw-down lid requires no clamps or tools for simple cartridge removal and replacement
- 2" / 63mm inlet and outlet ports for maximum flow and minimum back pressure
- Heavy duty extra large pleated filter cartridge

OPAL XL CARTRIDGE FILTER 3.5 bar pressure rating

Part No.	Product Description	Nom. Size	Price
217225EUM	Opal XL Cartridge Filter 225	225 sq.ft	£780.10
217270EUM	Opal XL Cartridge Filter 270	270 sq.ft	£888.90

N.B. For replacement cartridges please see p.16 spares catalogue

Specifications

Model	Filter Area		Max Flow Rate	Working Pressure		Max Pool Size
	(m ²)	(ft ²)	m ³ /h	bar	psi	m ³
Opal 225	20.9	225	30	3.5	50	180
Opal 270	25.1	270	30	3.5	50	180

Extra Large Filter Cartridge

Opal XL filter cartridges are fabricated from pleated reusable polyester fabric. The XL larger size cartridge has been pleated to provide 225ft² (20.9m²) to 270ft² (25.1m²) of surface area maximising its dirt holding capacity and minimising filter maintenance.

Material : Polyester Fabric material, Vinyl Plastisol end caps and a Polypropylene core

Operating Temperature : 4°C to 50°C

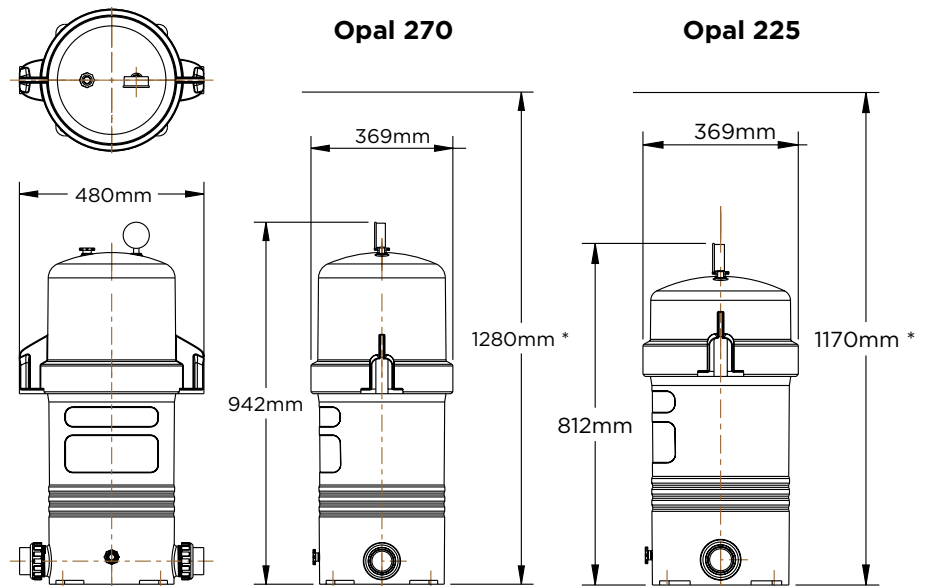
Maximum Pressure Drop : 0.2 bar (3 psi)



Simple Maintenance

The filter cartridge is easily cleaned by hosing the pleats with a standard garden hose.

Dimensions



* Minimum Clearance Height to Remove Cartridge

General Filters



Filters



Fulflo Tri-cartridge filter houses three individual pleated filter cartridges, to maximise its dirt holding capacity and minimise filter maintenance, leading to significant water savings.

Built to endure the rigours and pressures of the outdoor environment, Fulflo Tri-Cartridge Filters are made from specially engineered polymers that have been tested for durability and strength.

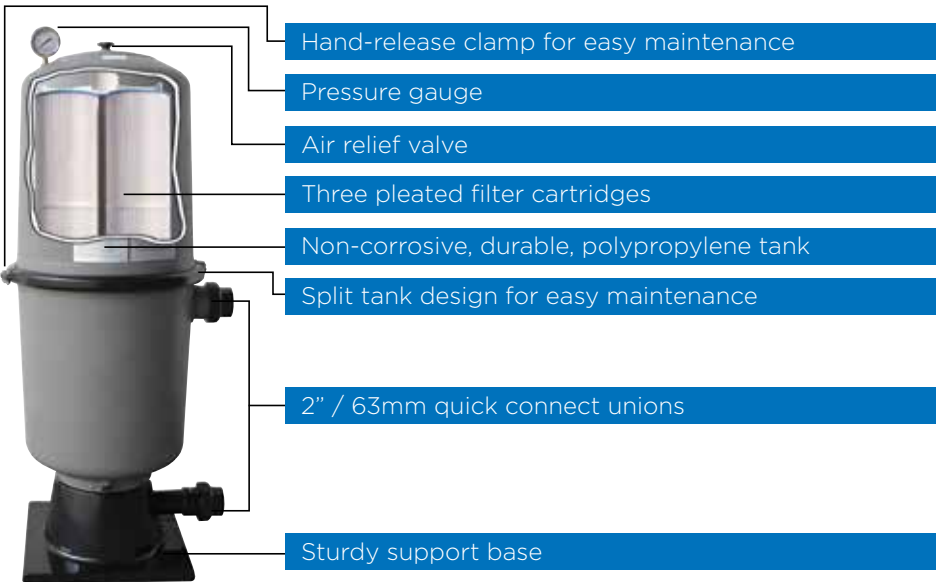
Maintenance

The Tri-Cartridge Filter's split tank design incorporates an easy to use clamp that requires no additional tools for simple cartridge removal and replacement, allowing for quick access to the filter cartridge without disturbing the piping and connections.

WATERCO TRI-CARTRIDGE FILTERS

Part No.	Product Description	Nom. Size	Price
2165300EU	Fulflo Tri-Cartridge Filter C300	300 sq ft	£1,078.20
2165400EU	Fulflo Tri-Cartridge Filter C400	400 sq ft	£1,218.50
2165500EU	Fulflo Tri-Cartridge Filter C500	500 sq ft	£1,390.20

N.B. For replacement cartridges please see p.17 spares catalogue



Filter Cartridge

At the heart of the Fulflo Tri-Cartridge Filters are three individual filter cartridges, constructed from heavy duty, easy-to-clean polyester fabric. The cartridge pleats create a large surface area providing a high dirt holding capacity, thus decreasing its cleaning frequency.

Material : Polyester Fabric material, Vinyl Plastisol end caps and a Polypropylene core

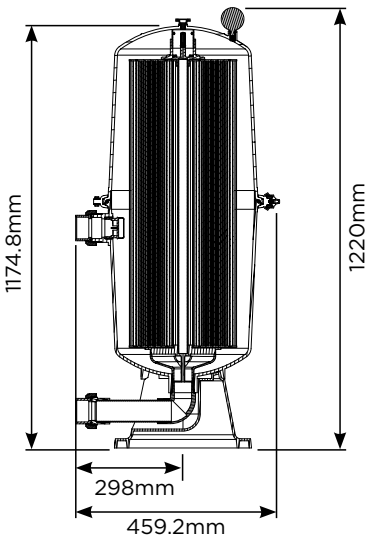
Operating Temperature: 4°C to 50°C

Maximum Pressure Drop : 0.2 bar (3 psi)



Specifications

Model No.	Filter Area	Filter Area	Design FlowRate	Max. Pool Size	Max. Working	
	(sq.ft.)	(m ²)			(Bar)	(psi)
2165300	300	28	25	150	3.5	50
2165400	400	37	31	180	3.5	50
2165500	500	46	31	180	3.5	50



General Filters

EXOTUF

WATERCO EXOTUF THERMOPLASTIC TOP MOUNT SAND FILTERS



Manufactured from the highest grade of non-corrosive materials and applying precision plastic injection moulding techniques, Exotuf filters are built for long lasting performance.

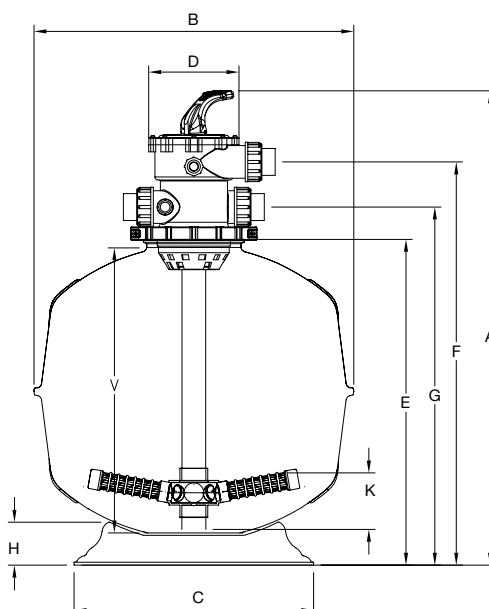
Part No.	Product Description	Price
	With 1½" Clamp Style Multiport Valve & Barrel Unions MPV supplied with both 50mm metric and 1½" imperial quick connect unions.	
2260166DP	E400 c/w 1½" (50mm) valve (2.5bar rated)	16" £320.30
2260186DP	E450 c/w 1½" (50mm) valve (2.5bar rated)	18" £356.00
2260206DP	E500 c/w 1½" (50mm) valve (3.5bar rated)	20" £432.60
2260246DP	E600 c/w 1½" (50mm) valve (3.5bar rated)	24" £536.60

Technical Specification

Model No.	Valve Size ("/mm)	Inner Dia. (mm)	Filter Area (sq. m²)	Bed Depth (mm)	Max. Flow* (m³/h)	Max. Pool Size (m³)	Min. Backwash (m³/h)	Sand 16/30 (kg)	EcoPure Glass (kg)	Glass Pearl (kg)
E400	1½ / 50	400	0.13	160	6	36	5.6	40	30	44
E450	1½ / 50	450	0.16	250	7	45	7.1	75	60	83
E500	1½ / 50	500	0.20	250	8	57	8.8	90	70	100
E600	1½ / 50	600	0.28	250	14	81	11.5	130	105	140

Dimension (mm)

Model	Valve Size	A	B	C	D	E	F	G	H	V	K
E400	1½" / 50mm	775	460	280	180	530	642	584	34	481	89
E450	1½" / 50mm	840	504	280	180	595	707	649	30	530	112
E500	1½" / 50mm	905	550	484	182	618	762	671	88	522	108
E600	1½" / 50mm	942	650	484	182	655	799	708	88	560	115



General Filters



Filters

In a conventional lateral system “Dead legs” exist between the laterals and water flow is not optimised through the filter bed. Waterco’s “Fish Tail” lateral configuration eliminates any “dead legs” by improving water flow distribution through the filter bed. The fishtail lateral design significantly improves filtration and reduces backwash times ultimately saving water. This system is now standard on the Micron range.



Filament Wound Filters

Micron fibreglass filters embody the latest in fibreglass winding technology. Micron fibreglass vessels consist of an inner shell of fibreglass reinforced polyester resin wound over with fibreglass filament. Waterco’s digitally controlled filament winding machine faultlessly winds continuous strands of high quality fibreglass filament under controlled tension filament to create a seamless one-piece vessel with refined consistency and superior quality. There are no welds or seams or special tank linings which can corrode or electrolyse.



WATERCO MICRON TOP MOUNT BOBBIN WOUND SAND FILTERS - 2.5 bar pressure rating

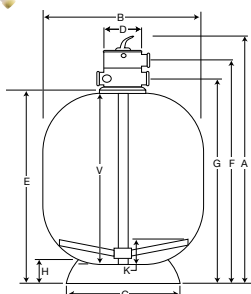
Part No.	Product Description	Nom. Size	Price
	With Multiport Valve & Barrel Unions. MPV supplied with both metric and imperial quick connect unions		
220122DP	S500 c/w 1 1/2" MPV	20"	£527.90
220124DP	S600 c/w 1 1/2" MPV	24"	£629.70
220126251DP	S602 c/w 2" MPV	24"	£729.10
220128DP	S700 c/w 1 1/2" MPV	28"	£744.20
220129DP	S702 c/w 2" MPV	28"	£871.40
220130DP	S750 c/w 2" MPV	30"	£1,036.70
220132DP	S800 c/w 2" MPV	32"	£1,100.30
220136DP	S900 c/w 2" MPV	36"	£1,172.10

Technical Specification

Model No.	Inner Dia. (mm)	Bed Depth (mm)	Filter Area (m²)	Valve Size (n/mm)	Sand 16/30 (Kg)	EcoPure (Kg)	Glass Pearls (Kg)	Dom. flow (m³/hr)	Max. Pool Size (m³)	Com. flow (m³/hr)	Min. Pool Size (m³)
S500	500	280	0.20	1.5/50	80	60	105	10	57	7.2	28
S600	600	295	0.29	1.5/50	160	121	171	14	83	10.4	41
S602	600	295	0.29	1.5/2	160	121	171	14	83	10.4	41
S700	700	330	0.40	1.5/50	200	151	254	19	115	14.4	56
S702	700	300	0.40	2/63	200	151	249	19	115	14.4	56
S750	750	340	0.46	2/63	220	166	228	22	132	16.5	64
S800	800	420	0.50	2/63	365	203	376	24	144	18.00	72
S900	900	420	0.64	2/63	470	386	520	30	183	25.00	92

Dimension (mm)

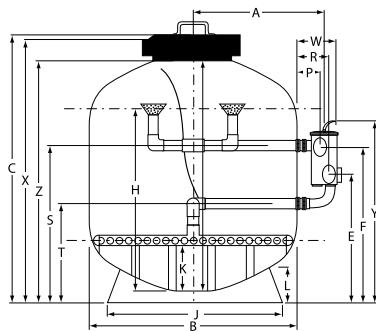
Model	A	B	C	D	E	F	G	H	V	K
S500	864	505	443	180	625	731	672	69	525	94
S600	968	622	540	180	721	832	778	88	620	136
S602	1085	622	484	180	735	905	805	90	620	143
S700	932	723	620	180	692	801	743	90	650	139
S702	992	723	620	220	722	871	791	90	652	122
S750	1132	772	620	220	867	1014	932	90	773	127
S800	1077	810	620	220	867	956	875	90	773	127
S900	1234	918	624	220	867	1054	1044	90	773	127



CLIMATECARE
CERTIFIED

* in conjunction with
Glass Pearls media

General Filters



WATERCO MICRON SIDE MOUNT BOBBIN WOUND SAND FILTERS - 2.5 bar pressure rating

Part No.	Product Description	Nom. Size	Price
Filters with 8" neck lock ring c/w Multiport Valve & Barrel Unions.MPV supplied with both metric and imperial quick connect unions.			
22000820EU	SM500 c/w 1½" MPV	20"	£698.90
22000824EU	SM600 c/w 1½" MPV	24"	£745.00
22005824EU	SM602 c/w 2" MPV	24"	£858.40
22000828EU	SM700 c/w 2" MPV	28"	£894.00
22000830EU	SM750 c/w 2" MPV	30"	£1,163.90
22000836EU	SM900 c/w 2" MPV	36"	£1,532.80

WATERCO MICRON SIDE MOUNT BOBBIN WOUND SAND FILTERS -4.0 bar pressure rating

Part No.	Product Description	Nom. Size	Price
220008204EU	SM500 c/w 1½" MPV	20"	£732.00
220008244EU	SM600 c/w 1½" MPV	24"	£861.60
220008304EU	SM750 c/w 2" MPV	30"	£1,303.80
220008364EU	SM900 c/w 2"MPV	36"	£1,931.30

See commercial section for larger size Side Mount Filters up to 2.5m (98")

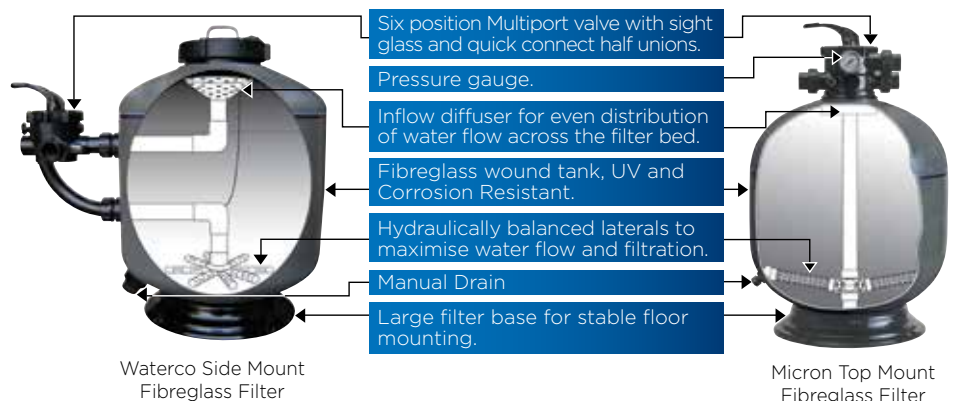
Technical Specification

Model No.	Inner Dia. (mm)	Bed Depth (mm)	Filter Area (m²)	Valve Size (in/mm)	Sand 16/30 (Kg)	EcoPure (Kg)	Glass Pearls (Kg)	Dom. flow (m³/hr)	Max. Pool Size (m³)	Com. flow (m³/hr)	Min. Pool Size (m³)
SM500	500	290	0.20	1.5/50	95	78	105	10	56	7	43.2
SM600	600	360	0.28	1.5/50	165	136	183	14	81	10	60.5
SM602	600	360	0.28	1.5/50	165	136	183	14	81	10	60.5
SM700	700	380	0.38	2/63	240	240	265	19	111	14	82.1
SM750	750	400	0.44	2/63	285	285	315	21	127	16	95.0
SM900	900	400	0.64	2/63	440	398	487	31	183	23	138.2

Dimension (mm)

Model	A	B	C	W	R	P	E	F	K	V	H	L	X	Y	Z	J	S	T
SM500	464	520	815	310	215	153	594	649	100	652	585	70	743	790	715	445	485	282
SM600	518	622	880	310	215	153	629	684	105	680	601	88	804	825	778	540	520	317
SM602	526	622	906	306	249	171	520	574	105	690	601	87	873	718	800	484	520	317
SM700	565	719	948	321	248	178	520	601	120	728	685	90	905	750	835	620	520	317
SM750	587	772	993	321	248	178	593	674	113	763	652	120	914	823	892	678	593	390
SM900	667	923	1115	321	248	178	656	737	113	860	750	120	1030	886	1011	678	656	453

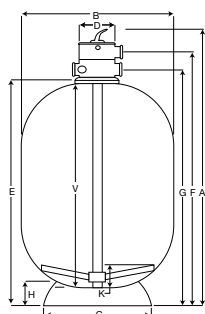
Waterco Micron Top and Sidemount Fibreglass Filters



CLIMATECARE
CERTIFIED

* in conjunction with
Glass Pearls media

General Filters



LACRON SUREFLOW TMV - TOP MOUNT SAND FILTER 2.5 bar Pressure rating

Part No.	Product Description	Nom. Size	Price
	MPV supplied with both metric and imperial quick connect unions, pressure gauge and air relief valve		
2220180	TMV-18 c/w MPV 1 1/2" (50mm)	18"	£557.10
2220200	TMV-20 c/w MPV 1 1/2" (50mm)	20"	£653.60
2220240	TMV-24 c/w MPV 1 1/2" (50mm)	24"	£798.90

Technical Specification

Filter model	Tank Diameter (mm)	Bed Depth (mm)	Filter Area (m²)	Valve Size (inch/mm)	Pea Gravel (kg)	Sand (kg)	EcoPure (Kg)	Glass Pearl (Kg)	Max. flow (m³/hr)	Max. Pool size (m³)
TMV-18	460	350	0.166	1.5 / 50	NR	75	60	83	8.5	50
TMV-20	500	365	0.200	1.5 / 50	NR	100	80	110	10.0	60
TMV-24	610	380	0.300	1.5 / 50	NR	125	100	137	14.5	85

Dimension (mm)

Model	A	B	C	D	E	F	G	H	V	K
TMV-18	885	460	360	180	635	745	685	65	570	100
TMV-20	900	500	360	180	650	755	700	65	585	100
TMV-24	950	610	490	180	700	800	750	70	660	100



LACRON PURE LSR - SIDE MOUNT SAND FILTER c/w MPV - 2.5 bar pressure rating

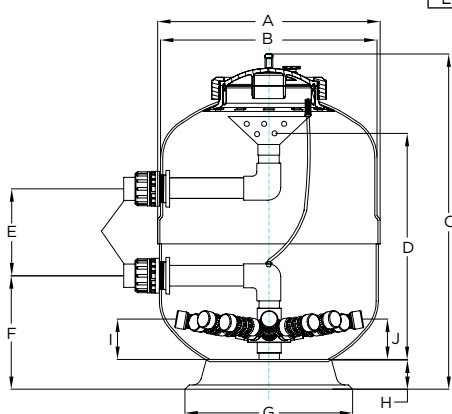
Part No.	Product Description	Nom. Size	Price
	With Multiport Valve - Unions & Pressure Gauge		
2220208L	LSR Pure - 20 c/w 1 1/2" (50mm) MPV	20"	£950.30
2220248L	LSR Pure - 24 c/w 1 1/2" (50mm) MPV	24"	£1,001.70
2220308L	LSR Pure - 30 c/w 2" (63mm) MPV	30"	£1,414.10

Technical Specification

Filter model	Tank Diameter (mm)	Bed Depth (mm)	Filter Area (m²)	Valve Size (inch/mm)	Pea Gravel (kg)	Sand (kg)	EcoPure (Kg)	Glass Pearl (Kg)	Max. flow (m³/hr)	Max. Pool size (m³)
LSR Pure 20	500	365	0.200	1.5 / 50	NR	100	80	110	10	60
LSR Pure 24	610	380	0.300	1.5 / 50	NR	125	100	138	14.5	85
LSR Pure 30	760	400	0.460	2 / 63	50	160	125	176	22.5	130

Dimension (mm)

Model	A	B	C	D	E	F	G	H	I	J
LSR Pure 20	520	506	784	529	203.2	265	392	68	95	95
LSR Pure 24	620	610	822	545	203.2	219.8	485	88	94	94
LSR Pure 30	784	762	856	564	214	290	620	90	115	115



General Filters



LACRON SUREFLOW LSR - SIDE MOUNT SAND FILTER c/w MPV - 2.5 bar pressure rating

Part No.	Product Description	Nom. Size	Price
	With Multiport Valve - Unions & Pressure Gauge		
222016ACW	LSR - 16 c/w 1 1/2" MPV (50mm)	16"	£588.70
222018ACW	LSR - 18 c/w 1 1/2" MPV (50mm)	18"	£667.20
222020ACW	LSR - 20 c/w 1 1/2" MPV (50mm)	20"	£783.30
222024ACW	LSR - 24 c/w 1 1/2" MPV (50mm)	24"	£834.70
222030ACW	LSR - 30 c/w 2" MPV (63mm)	30"	£1,399.20

LACRON SUREFLOW LSR - SIDE MOUNT SAND FILTER - 2.5 bar pressure rating

Part No.	Product Description	Nom. Size	Price
	With Connecting Pipes & Pressure Gauge		
222016	LSR - 16 1 1/2" Connections (50mm)	16"	£466.80
222018	LSR - 18 1 1/2" Connections (50mm)	18"	£589.50
222020	LSR - 20 1 1/2" Connections (50mm)	20"	£697.20
222024	LSR - 24 1 1/2" Connections (50mm)	24"	£757.90
222030	LSR - 30 2" Connections (63mm)	30"	£1,284.70
222036	LSR - 36 2" Connections (63mm) - N.B. no pipeset included	36"	£1,885.00

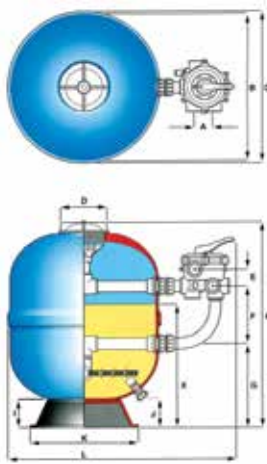
Technical Specification

Filter model	Tank Diameter (mm)	Bed Depth (mm)	Filter Area (m²)	Valve Size (inch/mm)	Pea Gravel (kg)	Sand (kg)	EcoPure (Kg)	Glass Pearl (Kg)	Max. flow (m³/hr)	Max. Pool size (m³)
LSR-16	400	300	0.130	1.5 / 50	NR	50	40	55	6.5	37
LSR-18	460	350	0.160	1.5 / 50	NR	75	60	82	8.5	50
LSR-20	500	365	0.200	1.5 / 50	NR	100	80	110	10	60
LSR-24	610	380	0.300	1.5 / 50	NR	125	100	138	14.5	85
LSR-30	760	400	0.460	2 / 63	50	150	125	165	22.5	130
LSR-36	900	500	0.660	2 / 63	75	300	225	330	26	160

Dimension (mm)

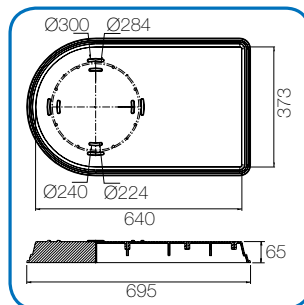
Model	A	B	C	D	E	F	G	H	I	J	K	L	X
LSR-16	78	406	425	230	54	204	235	620	65	70	372	725	300
LSR-18	78	457	475	230	54	204	240	630	65	70	372	790	350
LSR-20	78	500	525	230	54	204	265	700	65	70	374	900	365
LSR-24	78	610	620	230	54	204	291	733	65	88	485	945	380
LSR-30	70	762	784	230	81	214	290	767	85	90	620	1100	400
LSR-36	128	925	945	230	110	300	300	945	90	90	945	1385	550

NOTE: The Lacron LSR 36 (2") filter comes complete with a lock ring lid arrangement.

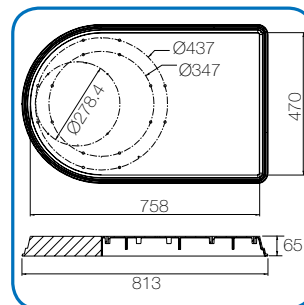


MOULDED SKID BASES - (both sizes suit all Cartridge Filters)

Part No.	Product Description	Price
455567	Moulded Skid Base suit E400, E450	£50.50
455573	Moulded Skid base suit E500 & E600	£59.90



(to suit E400, E450)



(to suit E500, E600)

General Filters



LEAF TRAPPER

Part No.	Product Description	Nom. Size	Price
3761053EUM	Trimline C50 Leaf Trapper (please note: filter bags must be ordered separately if required)	2"/63mm	£292.70
36519265	Filter Bag (800 Micron) (please note: other bags available, see p108 for details & pricing)		

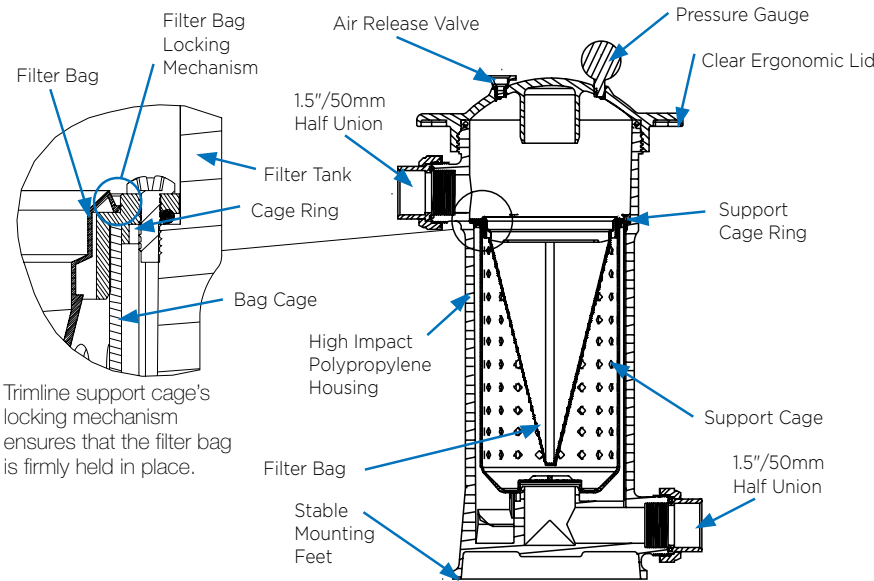
Waterco has developed a Leaf Trapper that incorporates a high quality and durable bag filter that enables high volume leaf & debris capture. The lid is clear for quick visual inspection of the Leaf Trapper's filter bag. The C50 Leaf Trapper is ideal for installation in areas of high leaf & debris collection prior to a pool's finer filtration system. The C50 Leaf Trapper is compact & economical, perfect for negative edge pools and infloor cleaning systems.

Leaf Trapper

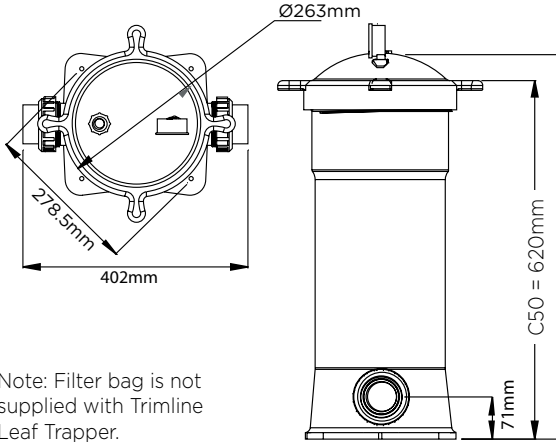
The Leaf Trapper housings are constructed from high impact polypropylene and a clear polycarbonate lid, providing a strong and durable filter. The design of the ergonomic screw down lid enables simple hand operation and quick filter bag cleaning or replacement.

Leaf Trapper Filter Bag

Its large filter bag is made of high strength and durable nylon, plus it's easy to clean. The 800 micron bag allows a full flow of water with minimal resistance, and it has a holding capacity of approximately four times the usual leaf and debris holding capacity of a standard pool skimmer leaf basket.



Dimension



Note: Filter bag is not supplied with Trimline Leaf Trapper.

Specification

LEAF TRAPPER SPECIFICATIONS		
Max Flow Rate	20.4m³/hr	90gpm
Required clearance for servicing	530mm	20.9"
Maximum pressure	350kPa	50psi
Maximum temperature	40°C	100°F

FILTER BAG SPECIFICATIONS		
Surface Area	0.17m²	1.85ft²
Diameter	178mm	7"
Length	419mm	16.5"

FILTER BAG PRODUCT CODE		
36519265	Manufactured with Nylon	800 microns

Commercial Filters

Commercial



Commercial Filters



Commercial

Micron fibreglass filters

Micron fibreglass filters embody the latest in fibreglass winding technology. Waterco's digitally controlled filament winding machine faultlessly winds continuous strands of high quality fibreglass filament under controlled tension to create a seamless one-piece vessel with refined consistency and superior quality. There are no welds or seams or special tank linings which can corrode or electrolyse.

Waterco's quality control procedures ensure that the structural requisites of the product are achieved at every stage of production. This results in a 100% compliance of the end product with the specifications.

The design and the manufacturing process of the whole vessel, utilising the latest filament winding machines, incorporation of non-metallic fittings plus reinforced manhole openings with proprietary methods, is unique to Waterco.

Why fibreglass instead of steel?

Using non-metallic components fibreglass pressure tanks are rapidly replacing steel tanks in numerous applications. Fibreglass vessels offer several advantages in comparison with steel vessels.

Fibreglass vessels have a mechanical and chemical resistance superior to steel. Fibreglass tanks do not rust or corrode and are able to withstand damage from many types of water treatment chemicals.



Corroded metal fabricated filters



Fibreglass SMDD filters

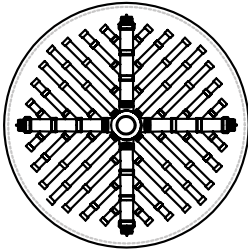
Fibreglass vessels weigh only one third of the weight of steel vessels while maintaining the same level of strength. Their weight makes them easier to ship to the job site and easier to install.

Once installed there are virtually no maintenance or repairs required. Steel vessels require the anti-corrosive coating to be maintained periodically and certified welders to make repairs to the lining with expensive epoxy coating.

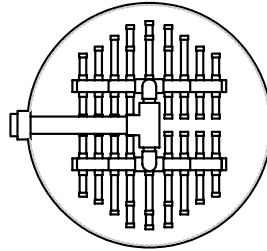
Commercial Filters

Micron “Fish Tail” laterals

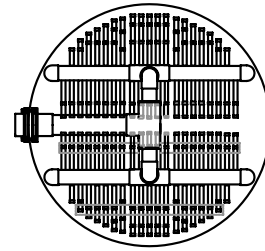
Conventional laterals are not suitable for larger sized commercial filters. “Dead legs” exist between the laterals and water flow is not optimised through the filter bed. Waterco’s “Fish Tail” lateral configuration eliminates any “dead legs” by improving water flow distribution through the filter bed.



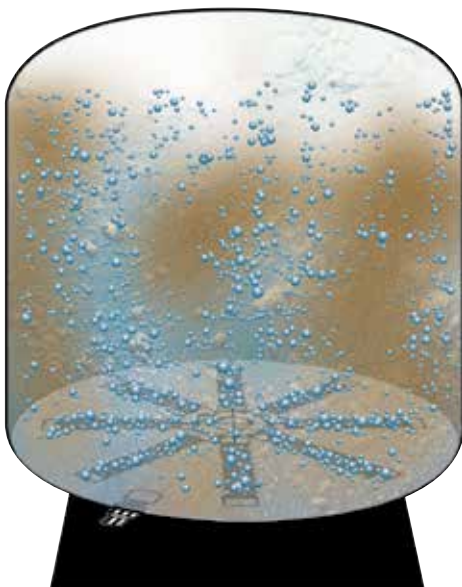
Commercial vertical filters with 2½" / 75mm ports



Commercial vertical filters with 3" / 90mm ports



Commercial vertical filters with 4"/110mm, 6"/160mm, 8"/215mm ports



Automatic Air vent fitted to SMDD/ SPDD Micron filters as standard:

The combination air valve has the features of both an air release valve and an air & vacuum valve. The air release component of the combination air valve was designed to automatically release small pockets of air into the atmosphere as they accumulate along a pipeline or piping system when it is full and operating under pressure. The air & vacuum component was designed to automatically discharge or intake large volumes of air in during the filling or draining of a pipeline or piping system. This valve will open to relieve negative pressures whenever water column separation occurs.

Main Features

- Working pressure range: **DG-10** 0.1 - 10 bar. **D-040** 0.2-16 bar
- Testing pressure: **DG-10** 16 bar. **D-040** 25 bar.
- Working Temperature: 600 C.
- Maximum short-term temperature: 900 C.



- The body is made of high strength composite materials and all operating parts are made of specially selected corrosion-resistant materials.
- The larger than usual aperture enables it to release air at higher flow rates than other automatic air release valves of its kind.
- The enlarged aperture with its self-cleaning mechanism dramatically reduces obstruction due to debris.
- The valve's rolling seal mechanism design is less sensitive to different pressures than a direct float seal, thus enabling a one-size aperture for a wide pressure range (from 0.2 up to 16 bar).
- Light, simple and reliable structure.
- Due to its light weight, the valve may be installed on plastic piping systems, as well as other light weight piping.

Commercial Filters

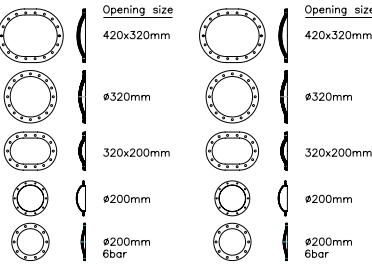
MICRON SIDE MOUNT BOBBIN WOUND SAND FILTER - SMD Model

- Large double yoke lid with lifting eye
- Pressure gauge
- Large clear sight glass
- Quick connect unions (Up to and including SMD2000)
- Water purge and sand dump port
- Large stable base
- Fish Tail lateral configuration for maximum hydraulic performance

- 1m bed depth
- Ultra smooth bobbin finish
- Available in 2.5 bar, 4 bar, 6 bar, 8 bar and 10 bar pressure ratings
- Vinylester resin coating available
- Quick connect unions
- Nozzle plate available upon request



Side hatch / Lateral manhole cover



WATERCO MICRON SMD/SMDD/SPDD OPTIONAL EXTRAS

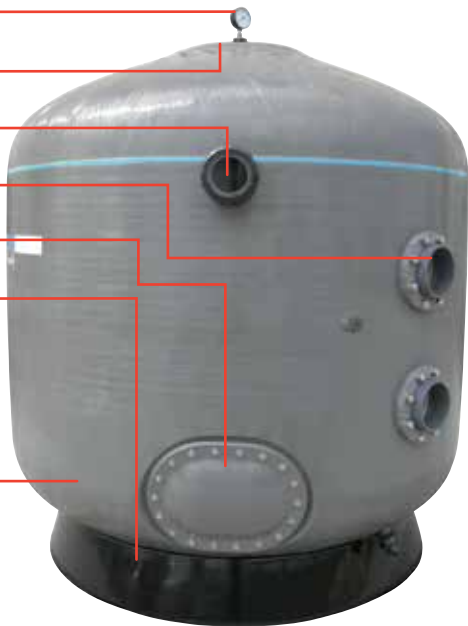
Part No.	Product Description	Nom. Size	Price
W22115LAB	Sight Glass Fitted	90mm	£462.10
SSHR200	Side Service Hatch - Round	200mm	£553.70
SSHR320	Side Service Hatch - Round	320mm	£981.60
SSHO320	Side Service Hatch - Oval	320 x 200mm	£931.20
SSHO420	Side Service Hatch - Oval	420 x 320mm	£1,827.20

*Lead times applicable for the above optional extras.

MICRON SIDE MOUNT DEEP BED SAND FILTER - SMDD Model

- Pressure gauge
- Large double yoke lid and lifting eye
- Large clear sight glass
- Flanged connections
- Service hatch
- Large stable base
- Fish Tail lateral configuration for maximum hydraulic performance

- 1.2 m bed depth
- Ultra smooth bobbin finish
- Available in 2.5 bar, 4 bar, 6 bar, 8 bar and 10 bar pressure ratings
- Vinylester resin coating available
- Flanged connections
- Nozzle plate version (SPDD)



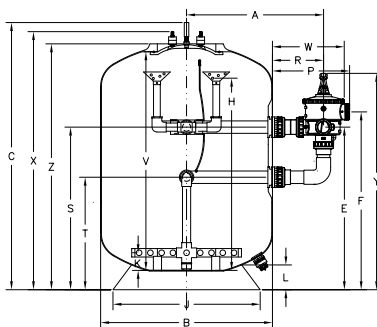
Commercial Filters



Lateral underdrain system



SMD Lockring lid version



WATERCO MICRON SIDE MOUNT BOBBIN WOUND SAND FILTERS INCLUDING SIGHT GLASS - SMD 2.5 bar

Part No.	Product Description	Nom. Size	Price
	- Excludes MPV (2.5 bar)		
2250750682	SMD750 (2"/63mm port size)	30"	£1,240.00
2250900903	SMD900 (3"/90mm port size)	36"	£2,974.30
22501050903	SMD1050 (3"/90mm port size)	42"	£3,333.50
22501200903	SMD1200 (3"/90mm port size)	48"	£3,957.90
22501400903	SMD1400 (3"/90mm port size)	56"	£4,897.20
22501600903	SMD1600 (3"/90mm port size)	64"	£6,115.00
225016001103	SMD1600 (4"/110mm port size)	64"	£6,406.50
225018001103	SMD1800 (4"/110mm port size)	70"	£8,008.10
225020001103	SMD2000 (4"/110mm port size)	79"	£9,710.10

WATERCO MICRON SIDE MOUNT BOBBIN WOUND SAND FILTERS SIGHT GLASS - SMD 4.0 bar

Part No.	Product Description	Nom. Size	Price
	- Excludes MPV (4.0 bar)		
22501054801	SMD1050 (3"/90mm port size)	42"	£4,318.80
22501204801	SMD1200 (3"/90mm port size)	48"	£5,143.30
22501404801	SMD1400 (3"/90mm port size)	56"	£6,366.70
22501604801	SMD1600 (3"/90mm port size)	64"	£7,949.10
22501604101	SMD1600 (4"/110mm port size)	64"	£8,095.30
22501804101	SMD1800 (4"/110mm port size)	70"	£10,215.30
22502004101	SMD2000 (4"/110mm port size)	79"	£12,625.00

PLEASE NOTE: Also available in 6.0 bar , 8.0 bar and 10.0 bar versions, price and lead times available upon request.

WATERCO MICRON SIDE MOUNT BOBBIN WOUND SAND FILTER - SMD 2.5 bar with 16" Lockring lid

Part No.	Product Description	Nom. Size	Price
2250105080161	SMD1050, 16" Lockring Version (3 " / 90mm port size)	42"	£2,985.90
2250120080161	SMD1200, 16" Lockring Version (3 " / 90mm port size)	48"	£3,568.50
2250140010161	SMD1400, 16" Lockring Version (3 " / 90mm port size)	56"	£4,588.00
2250160010161	SMD1600, 16" Lockring Version (4 " / 110mm port size)	70"	£5,725.20

Technical Specification

Filter Model	Connection Size		Filter Area	Bed Depth	Maximum Flow Rating 30m³/hr/m²	Maximum Flow Rating 40m³/hr/m²	Sand	EcoPure Media	Glass Pearls
	"	mm	m²	mm	m³/hr	m³/hr	kg	kg	kg
SMD750	2.0	63	0.44	1000	13	18	670	570	741
SMD900	3.0	90	0.64	1000	19	25	1060	1016	1173
SMD1050	3.0	90	0.87	1000	26	35	1410	1159	1560
SMD1200	3.0	90	1.13	1000	34	45	1715	1414	1903
SMD1400	3.0	90	1.54	1000	46	62	2515	2067	2782
SMD1600	3.0	90	2.01	1000	60	80	3170	2605	3507
SMD1600	4.0	110	2.01	1000	60	80	3055	2515	3385
SMD1800	4.0	110	2.54	1000	76	102	4205	3456	4651
SMD2000	4.0	110	3.14	1000	94	126	5140	4225	5686

Dimension (mm)

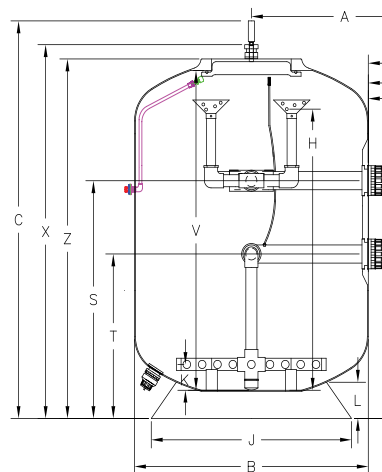
Model	Connection Size	A	B	C	W	R	P	E	F	K	V	H	L	X	Y	Z	J	S	T
SMD750	63 2.0"	901	772	1930	510	363	548	1100	1210	220	1605	1470	176	1845	1482	1775	1045	1100	746
SMD900	90 3.0"	719	923	1918	389	298	193	1300	1426	223	1580	1473	155	1833	1610	1763	735	1300	1000
SMD1050	90 3.0"	918	1110	1930	510	363	548	1100	1210	220	1605	1470	176	1845	1482	1775	1045	1100	744
SMD1200	90 3.0"	977	1229	1935	510	363	548	1154	1264	150	1590	1400	176	1850	1536	1780	1045	1154	798
SMD1400	90 3.0"	1083	1442	1955	510	363	548	1204	1314	250	1615	1500	218	1870	1586	1800	1202	1204	848
SMD1600	90 3.0"	1184	1644	1994	510	363	548	1151	1261	220	1615	1500	218	1909	1533	1839	1202	1151	795
SMD1600*	110 4.0"	1765	1644	1994	943	474	629	757	419	180	1615	1430	218	1909	757	1839	1202	1189	757
SMD1800*	110 4.0"	1863	1839	1985	943	474	629	751	413	225	1710	1475	315	1900	751	1830	1755	1183	751
SMD2000*	110 4.0"	1964	2042	2063	943	474	629	758	420	300	1765	1550	245	1978	758	1908	1755	1190	758

* PLEASE NOTE: these measurements are for a valve orientation different to that shown in adjoining diagram

Commercial Filters



Lateral underdrain system



SMDD2200

DESIGNED TO FIT
FULLY ASSEMBLED
INSIDE A STANDARD
SHIPPING CONTAINER

WATERCO MICRON SIDE MOUNT DEEP BED SAND FILTERS - SMDD 2.5 bar

Part No.	Product Description	Nom. Size	Price
	- Excludes MPV (2.5 bar)		
224975051826L	SMDD750 (2"/63mm connections, 200mm service hatch)	30"	£1,979.30
224990080136L	SMDD900 (3"/90mm connections, 200mm service hatch)	36"	£3,294.90
2249105080136L	SMDD1050 (3"/90mm connections, 200mm service hatch)	42"	£4,035.20
224912008025L	SMDD1200 (3"/90mm connections, 420 x 320mm service hatch)	48"	£4,886.90
224914001025L	SMDD1400 (4"/110mm connections 420 x 320mm service hatch)	56"	£5,931.80
224916001025L	SMDD1600 (4"/110mm connections 420 x 320mm service hatch)	64"	£7,769.50
224918001525L	SMDD1800 (6"/160mm connections 420 x 320mm service hatch)	70"	£9,713.80
224920001525L	SMDD2000 (6"/160mm connections 420 x 320mm service hatch)	79"	£11,706.60
224922001525L	SMDD2200 (6"/160mm connections 420 x 320mm service hatch)	92"	£14,187.10
224923501525L	SMDD2350 (6"/160mm connections 420 x 320mm service hatch)	96"	£20,161.60
224925001525L	SMDD2500 (6"/160mm connections 420 x 320mm service hatch)	98"	POA

WATERCO MICRON SIDE MOUNT DEEP BED SAND FILTERS - SMDD 4.0 bar

Part No.	Product Description	Nom. Size	Price
	- Excludes MPV (4.0 bar)		
224975451826L	SMDD750 (2"/63mm connections, 200mm service hatch)	30"	£2,719.60
224990480136L	SMDD900 (3"/90mm connections, 200mm service hatch)	36"	£4,402.40
2249105480136L	SMDD1050 (3"/90mm connections, 200mm service hatch)	42"	£5,360.30
2249120043037L	SMDD1200 (3"/90mm connections 420 x 320mm service hatch)	48"	£6,232.00
224914041025L	SMDD1400 (4"/110mm connections 420 x 320mm service hatch)	56"	£7,711.30
224916041025L	SMDD1600 (4"/110mm connections 420 x 320mm service hatch)	64"	£10,100.30
224918041525L	SMDD1800 (6"/160mm connections 420 x 320mm service hatch)	70"	£12,767.00
224920041525L	SMDD2000 (6"/160mm connections 420 x 320mm service hatch)	79"	£15,218.40
2240220041525L	SMDD2200 (6"/160mm connections 420x320mm service hatch)	86"	£18,590.30
2249235015435	SMDD2350 (6"/160mm connections 420 x 320mm service hatch)	92"	£26,210.00
2249250041525L	SMDD2500 (6"/110mm connections 420 x 320mm service hatch)	98"	POA

PLEASE NOTE: Also available in 6.0 bar, 8.0 bar and 10.0 bar versions, price and lead times available upon request.

Technical Specification

Filter Model	Flange Size	Flange Size	Filter Area	Bed Depth	Maximum Flow Rating 30m ³ /hr/m ²	Maximum Flow Rating 40m ³ /hr/m ²	Sand	EcoPure Glass	Glass Pearls
	"	mm	m ²	mm	m ³ /hr	m ³ /hr	kg	kg	kg
SMDD750	2	63	0.44	1200	13	18	795	630	879
SMDD900	3	90	0.64	1200	19	25	1200	986	1327
SMDD1050	3	90	0.87	1200	26	35	1665	1386	1842
SMDD1200	3	90	1.13	1200	34	45	2045	1681	2262
SMDD1400	4	110	1.54	1200	46	62	2840	2334	3142
SMDD1600	4	110	2.01	1200	60	80	3685	3029	4076
SMDD1800	6	160	2.54	1200	76	102	4975	4089	5503
SMDD2000	6	160	3.14	1200	94	126	6090	5005	6698
SMDD2200	6	160	3.80	1200	114	152	7625	6481	8435
SMDD2350	6	160	4.34	1200	130	173	8480	6970	9380
SMDD2500	6	160	4.91	1200	147	196	9545	7250	10558

Dimension (mm)

Model	Flange Size		A	B	C	K	V	H	L	X	Z	J	S	T
SMDD750	63 mm	2"	613	772	2044	113	1780	1713	120	2011	1938	678	1586	1383
SMDD900	90 mm	3"	719	923	2268	223	1930	1823	155	2183	2113	735	1624	1324
SMDD1050	90 mm	3.0"	901	1077	2270	220	1950	1820	176	2185	2115	1045	1650	1294
SMDD1200	90 mm	3.0"	977	1229	2243	150	1900	1750	176	2158	2088	1045	1665	1309
SMDD1400	110 mm	4.0"	1664	1442	2313	200	1975	1800	218	2228	2158	1202	1330	898
SMDD1600	110 mm	4.0"	1765	1644	2285	200	1950	1800	218	2200	2130	1202	1421	989
SMDD1800	160 mm	6.0"	n/a	1839	2260	320	2010	1920	315	2175	2105	1755	1383	900
SMDD2000	160 mm	6.0"	n/a	2042	2398	320	2100	1920	245	2313	2243	1755	1310	827
SMDD2200	160 mm	6.0"	n/a	2245	2415	380	2090	1980	245	2330	2260	1755	1386	903
SMDD2350	160mm	6.0"	n/a	2390	2435	355	2118	1955	340	2330	2330	2037	1550	1017
SMDD2500	160 mm	6.0"	n/a	2575	2510	355	2190	1955	340	2405	2405	2037	1494	1011

Commercial Filters



WATERCO MICRON NOZZLE PLATE SAND FILTERS - SPDD 2.5 bar

Part No.	Product Description	Nom. Size	Price
227910508014L	SPDD 1050 - (3"/90mm connections ,200mm service hatch)	42"	£6,179.60
2279120043037L	SPDD 1200 - (3"/90mm connections , 420 x 320mm service hatch)	48"	£8,005.30
2279140010014L	SPDD 1400 - (4"/110mm connections 420 x 320mm service hatch)	56"	£9,677.90
227960010014L	SPDD 1600 - (4"/110mm connections 420 x 320mm service hatch)	64"	£11,376.90
2279180015014L	SPDD 1800 - (6"/160mm connections 420 x 320mm service hatch)	70"	£15,346.80
227920001504L	SPDD 2000 - (6"/160mm connections 420 x 320mm service hatch)	79"	£17,251.70
227922001504L	SPDD 2200 - (6"/160mm connections 420 x 320mm service hatch)	86"	£19,734.80
2279235015014L	SPDD 2350 - (6"/160mm connections 420 x 320mm service hatch)	92"	£23,803.90
22792500150374L	SPDD2500 (6"/160mm connections 420 x 320mm service hatch)	98"	£27,247.50

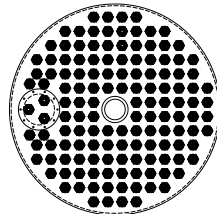
Micron SPDD filters are fitted with a plate and nozzle system, which ensures uniform flow for both filtering and backwashing, ensuring maximum performance through the media bed.

The nozzle plate system also allows the introduction of pressurised air directly into the bottom of the filter media. Uniform introduction of air and water through the nozzle plate provides vigorous agitation and filter media bed expansion required for an effective air/water backwash leading to reduced backwashing times and reduced volumes of water. Save up to 25% of backwash water.

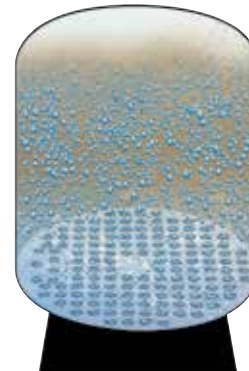
PLEASE NOTE: Also available in 4.0 bar, 6.0 bar, 8 bar and 10 bar versions, price and lead times available upon request.



Nozzle Plate underdrain system



Nozzle plate configuration



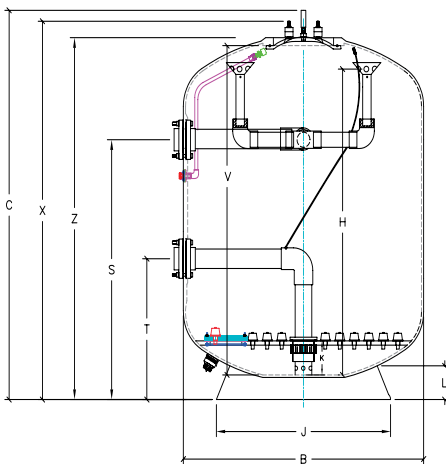
Internal Nozzle Plate Service Hatch

Technical Specification

Filter Model	Flange Size	Flange Size	Filter Area	Bed Depth	Maximum Flow Rating 30m³/hr/m²	Maximum Flow Rating 40m³/hr/m²	Sand	EcoPure	Glass Pearls
	"	mm	m²	mm	m³/hr	m³/hr	Kg	Kg	Kg
SPDD1050	3.0	90	0.87	1200	26.00	34.60	1485	1221	1643
SPDD1200	3.0	90	1.13	1200	33.90	45.20	1930	2170	2135
SPDD1400	4.0	110	1.54	1200	46.20	61.60	2640	2170	2920
SPDD1600	4.0	110	2.01	1200	60.30	80.40	3455	2840	3822
SPDD1800	6.0	160	2.54	1200	76.30	101.80	4330	3559	4790
SPDD2000	6.0	160	3.14	1200	94.20	125.70	5360	4405	5929
SPDD2200	6.0	160	3.80	1200	114.00	152.00	6530	5550	7223
SPDD2350	6.0	160	4.34	1200	130.10	173.50	7430	6107	8219
SPDD2500	6.0	160	4.91	1200	147.00	177.00	8600	7310	9400

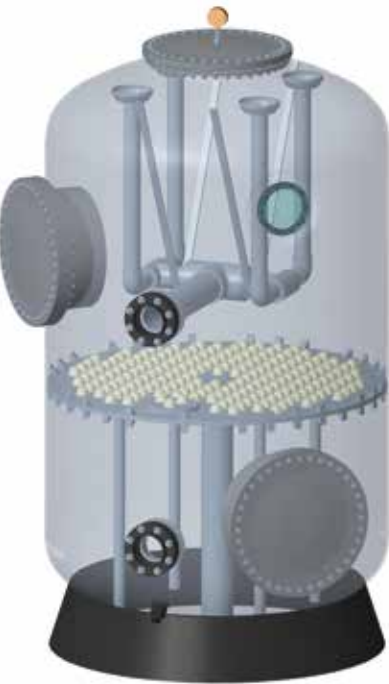
Dimension (mm)

Model	Flange Size		B	C	K	V	H	L	X	Z	J	S	T
SPDD1050	90	3"	1077	2270	220	1950	1820	176	2185	2115	1045	1450	750
SPDD1200	90	3"	1229	2243	150	1900	1750	176	2158	2088	1045	1449	749
SPDD1400	110	4"	1442	2313	200	1975	1800	218	2228	2158	1202	1514	814
SPDD1600	110	4"	1644	2285	200	1950	1800	218	2200	2130	1202	1529	829
SPDD1800	160	6"	1839	2260	320	2010	1920	315	2175	2105	1755	1489	789
SPDD2000	160	6"	2042	2398	320	2100	1920	245	2313	2243	1755	1489	789
SPDD2200	160	6"	2245	2415	380	2090	1980	245	2330	2260	1755	1386	903
SPDD2350	160	6"	2390	2435	355	2118	1955	340	2330	2330	2037	1550	950
SPDD2500	160	6"	2575	2510	355	2190	1955	340	2405	2405	2037	1494	1011



Commercial Filters

Commercial

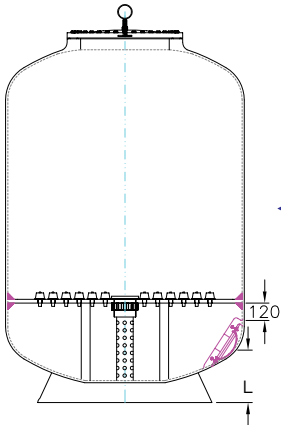
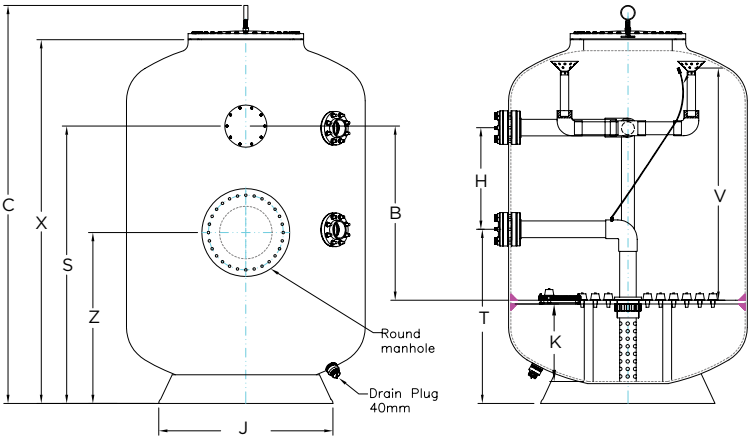


SPDD 1800 DIN filter

WATERCO MICRON NOZZLE PLATE SAND FILTERS - DIN FILTERS

Part No.	Product Description	Nom. Size	Price
2279120080976	Micron SPDD1200e 3"FL S SG L/MH LM200 DIN	48"	£10,998.90
22791400100976	Micron SPDD1400e 4"FL S SG L/MH LM200 DIN	56"	£13,356.60
22791600100976	Micron SPDD1600e 4"FL S SG L/MH LM200 DIN	64"	£15,660.20
22791800150824	Micron SPDD1800e 6"FL SG200 MH600X3 DIN	70"	£23,922.80

The Waterco SPDD DIN filters offer all the benefits of the standard Waterco Micron nozzle plate filters with the added advantage of being compliant with DIN 19605:2016-05 standards.



**DIN
19605:2016-05**

Technical Specification

Filter Model	Flange Size	Flange Size	Filter Area	Bed Depth	Maximum Flow Rating 30m³/hr/m²	Maximum Flow Rating 40m³/hr/m²	Sand	EcoPure Glass	Glass Pearls
	"	mm	m²	mm	m³/hr	m³/hr	kg	kg	kg
SPDD1200	3.0	90	1.13	1200	34	45	1930	2170	2135
SPDD1400	4.0	110	1.54	1200	46	62	2640	2170	2920
SPDD1600	4.0	110	2.01	1200	60	80	3455	2840	3822
SPDD1800	6.0	160	2.54	1200	76	102	4330	3559	4790

Dimension (mm)

Model	Flange Size	B	C	K	V	H	L	X	Z	J	S	T
SPDD1200	90	3"	1200	2601	558	1600	700	367	2438	1270	1045	1214
SPDD1400	110	4"	1200	2673	530	1600	700	370	2518	1204	1200	895
SPDD1600	110	4"	1200	2650	534	1600	700	360	2506	1178	1200	1911
SPDD1800	160	6"	-	3433	-	1600	1250	-	3232	-	1755	2535

Commercial Filters



Micron Horizontal Filters

The Micron Horizontal Filter is a space-saving high performer; its compact horizontal design allows installation with minimum waste of space. The spherical ends are designed to give uniform flow from both inlet and outlet collection assemblies. Micron Horizontal filters are available with a 500mm (M) filter media bed and a 1200mm (MD) filter media bed.

MICRON COMMERCIAL HORIZONTAL FILAMENT WOUND FILTERS

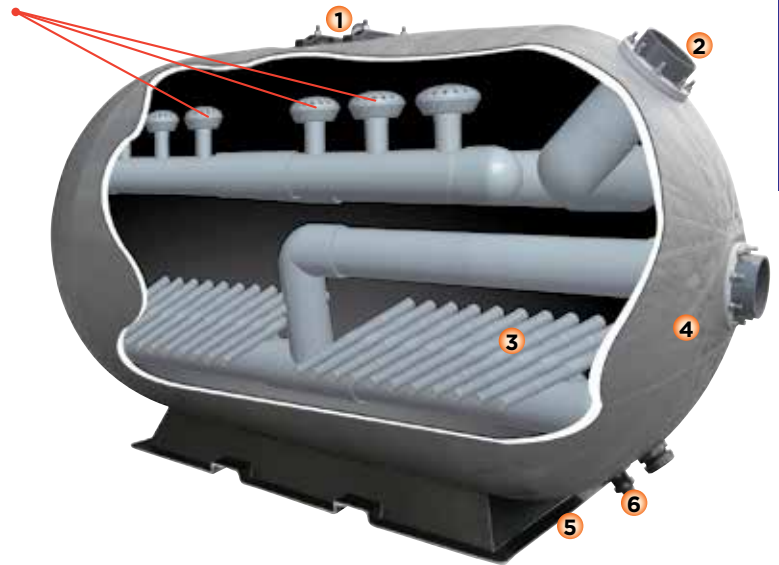
ranges from 2.5 to 10 bar (10 bar not available in all models)

Micron Horizontal vessels are also available with a nozzle plate. The nozzle plate provides even distribution of air scouring and backwashing.

For the ultimate filtration solution of large filter bed area and effective backwashing, Micron Horizontal Nozzle Plate vessels are the perfect choice.

Micron Horizontal's lateral system reduces backwash run times, saves water and produces a flatter more uniform filter media bed after backwashing.

Micron Horizontal filters include hydraulically efficient distribution manifolds, ensuring balanced circulation and filtration.



- 1 Elliptical positive sealing manways.
- 2 Flanged port of up to 10".
- 3 Hydraulically balanced distribution and lateral underdrain system.
- 4 Fibreglass wound tank, UV and corrosion resistant.
- 5 Large filter base for stable floor mounting.
- 6 Dual function water & media drain.



Internal plumbing & laterals



Commercial Filters



WATERCO MICRON COMMERCIAL HORIZONTAL SAND FILTERS (2.5 bar)

Part No.	Product Description	Nom. Size	Price
22290102	M2500 (4"/110mm port connections)	2.50m ²	£6,590.50
22290151	M3750 (4"/110mm port connections)	3.75m ²	£7,699.80
22290150	M3750 (6"/160mm port connections)	3.75m ²	£10,246.80
22290200	M5000 (6"/160mm port connections)	5.00m ²	£12,634.70

Technical Specification

Filter Model	Overall Length mm	Overall Height mm	Overall Width mm	Valve Size ("/mm)	Bed Depth (mm)	Filter Area (m ²)	Ecopure Glass (kg)	Sand 16/30 (kg)	Glass Pearls (kg)	Max. flow 30m ³ /hr/m ² (m ³ /hr)	Max. flow 40m ³ /hr/m ² (m ³ /hr)
M2500	2300	1480	1310	4/110	500	2.50	1742	2120	2304	75	100
M3750	3350	1485	1310	4/110	500	3.75	2844	3460	3552	113	150
M3750	3350	1485	1310	6/160	500	3.75	2844	3460	3552	113	150
M5000	4340	1486	1310	6/160	500	5.00	3830	4660	4898	150	200

Dimension (mm)

Model	Port size	A	C	W	R	L	E	F	G	H	M
M2500	100	2245	1620	740	1300	1400	1005	1260	150	255	2327
M3750	100	3230	1620	740	1300	2520	1005	1260	150	275	3312
M3750	100	3230	1620	740	1300	2520	945	1260	150	275	3312
M5000	100	4220	1620	740	1300	3570	945	1260	150	275	4301

WATERCO MICRON HORIZONTAL OPTIONAL EXTRAS

Part No.	Product Description	Nom. Size	Price
W22115LAB	Sight Glass Fitted	90mm	£462.10
SSHR200	Side Service Hatch - Round	200mm	£553.70
SSHR320	Side Service Hatch - Round	320mm	£981.60
SSHO320	Side Service Hatch - Oval	320 x 200mm	£931.20
SSHO420	Side Service Hatch - Oval	420 x 320mm	£1,827.20

* Available in 4, 6 and 8 bar, also available with nozzle plate arrangement.



WATERCO MICRON HORIZONTAL DEEP BED BOBBIN WOUND FILTERS 1.2m BED DEPTH (2.5 bar)

Part No.	Product Description	Nom. Size	Price
2229055008	MD5500 (8"/200mm port connections)		£20,799.10
2229065008	MD6500 (8"/200mm port connections)		£25,701.90
222908000825	MD8000 (8"/200mm port connections)		£31,733.10
2229040010L	MD10000 (10"/280mm port connections)		£41,390.80

Technical Specification

Filter Model	Overall Length mm	Overall Height mm	Overall Width mm	Flange Size ("/mm)	Bed Depth (mm)	Filter Area (m ²)	Ecopure Glass (kg)	Sand 16/30 (kg)	Glass Pearls (kg)	Max. flow 30m ³ /hr/m ² (m ³ /hr)	Max. flow 40m ³ /hr/m ² (m ³ /hr)
MD5500	3122	2173	2000	8/200	1200	5.50	6043	9280	10265	165	220
MD6500	3635	2244	2000	8/200	1200	6.50	9058	11020	12764	195	260
MD8000	4386	2173	2000	8/200	1200	8.00	11753	14300	15834	240	320
MD10000	5850	2173	2000	10/280	1200	10.00	14540	19460	20225	300	400

* Flow rate is limited by the port size, max flow for 8"/ 200mm is 422.4m³/hr, and 10"/ 260mm is 654m³/hr.

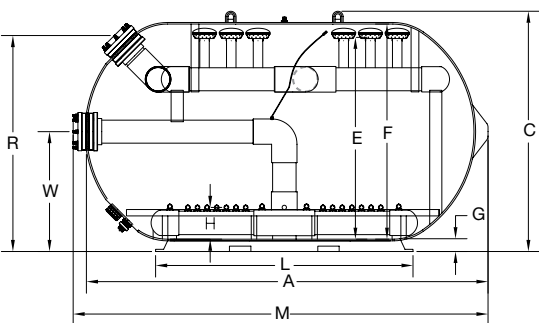
Dimension (mm)

Model	Port size	A	C	W	R	L	E	F	G	H	M
MD5500	150	3252	2260	1120	1988	1880	1889	2000	230	289	3330
MD6500	200	3765	2260	1120	2020	2405	1890	2000	230	290	3890
MD8000	200	4516	2260	1120	2020	3155	1890	2000	230	290	4640
MD10000	280	5500	2260	1150	2050	4055	1890	2000	230	330	5650

WATERCO MICRON HORIZONTAL OPTIONAL EXTRAS

Part No.	Product Description	Nom. Size	Price
W22115LAB	Sight Glass Fitted	90mm	£462.10
SSHR200	Side Service Hatch - Round	200mm	£553.70
SSHR320	Side Service Hatch - Round	320mm	£981.60
SSHO320	Side Service Hatch - Oval	320 x 200mm	£931.20
SSHO420	Side Service Hatch - Oval	420 x 320mm	£1,827.20

* Available in 4, 6 and 8 bar, also available with nozzle plate arrangement.



Commercial Filters



HYDRON SPLIT FILTER

Part No.	Product Description	Nom. Size	Price
	Filter Only		
223912008014	HYDRON Split filter 1200h 3"FL LCN	48"	£11,587.30
223914008014	HYDRON Split filter 1400h 4"FL LCN	56"	£12,684.30
223916008014	HYDRON Split filter 1600h 4"FL LCN	64"	£14,479.50
223918008014	HYDRON Split filter 1800h 6"FL LCN	70"	£20,304.50

Ideal for retrofitting

Hydron Split tank can be delivered in two parts and assembled on site in the plant room. The two halves seal perfectly using a double o-ring and are held together by a flange using bolts and nuts. The filter is specifically designed to fit into existing plant rooms where access is restricted.

Designed for water treatment and commercial swimming pool facilities, built using the latest in gel-coated fibreglass technology.

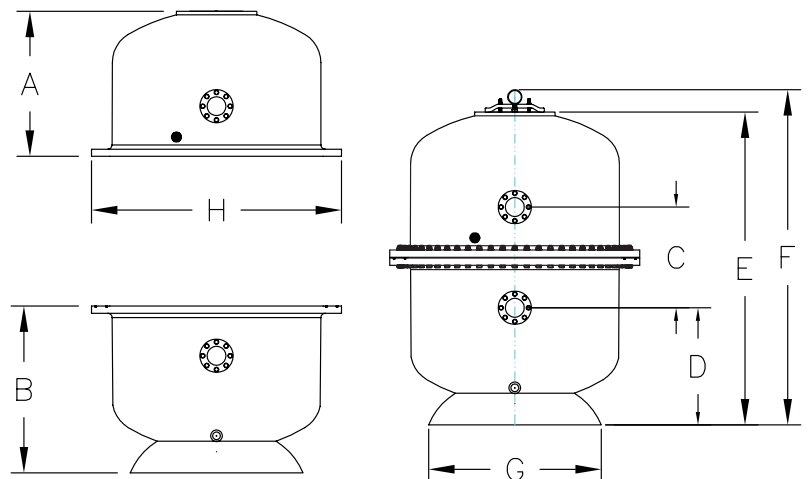
- Durable
- Easy to maintain
- Flanged tank port connections
- Perfect for retrofit
- Easy transport
- Flexible configurations available
- Sight glass available
- 4 bar rated

Technical Specification

Model No:	Valve Size	Bed Depth		Inner Diameter		Filter Area		Filtration Flow Rates		Backwash Flow Rates		Sand	EcoPure Media	Glass Pearl
								30m³/hr/m²	36m³/hr/m²	40m³/hr/m²	50m³/hr/m²			
	in	mm	in	mm	in	m²	feet²	m³/hr		m³/hr		kg	kg	
SMDT 1200	3	1000	39.4	1200	47.3	113	12.18	34	41	45	57	2045	1636	2262
SMDT 1400	4	1000	39.4	1400	55.2	154	16.58	46	55	62	77	2840	2272	3142
SMDT 1600	4	1000	39.4	1600	63.0	201	21.66	60	72	80	101	3685	2605	4076
SMDT 1800	6	1000	39.4	1800	70.9	254	27.41	76	92	102	127	4975	3890	5503

Dimension (mm)

Model	A	B	C	D	E	F	G	H
SMDT 1200	1010	1095	700	749	2088	2245	1045	1521
SMDT 1400	1008	1165	700	814	2170	2330	1200	1737
SMDT 1600	995	1130	700	829	2130	2285	1200	1943
SMDT 1800	1105	1100	700	789	2188	2355	1760	2105



Commercial Filters



LACRON SUREFLOW HZC - SAND FILTER 2.5 bar pressure rating

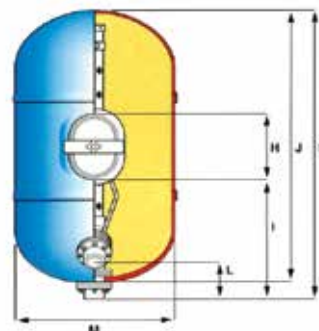
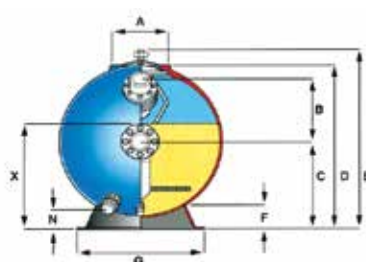
Part No.	Product Description	Nom. Size	Price
	Filter Only		
222942423	HZC - 42 4" (110mm) Connections complete with 2 fitted sight glasses	42" - 1100mm	£6,705.40

Technical Specification

Filter model	Tank Diameter (mm)	Bed Depth (mm)	Filter Area (m²)	Valve Size (inch/mm)	Pea Gravel (kg)	Sand (kg)	EcoPure Glass (kg)	Glass Pearl (kg)	Max. Flow (m³/hr)
HZC-42	1100	650	2.000	4 / 110	250	950	800	1045	90

Dimension (mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	X
HZC-42	330	400	660	1265	1335	190	815	430	800	1980	2030	310	1120	195	660



LACRON SUREFLOW LSC - SIDE MOUNT SAND FILTER - 2.5 bar pressure rating

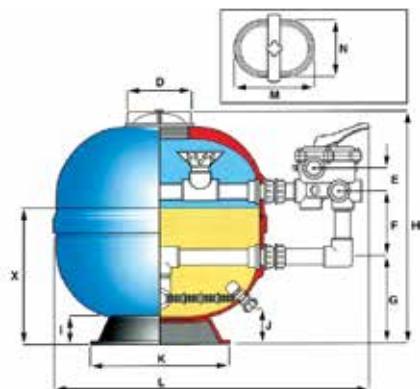
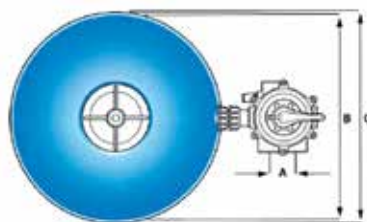
Part No.	Product Description	Nom. Size	Price
	Filter Tank with Connecting Unions Only		
222037	LSC - 36 3" (90mm) Connections	36" - 915mm	£2,340.20
222042	LSC - 42 3" (90mm) Connections	42" - 1100mm	£3,149.10
222048	LSC - 48 3" (90mm) Connections	48" - 1200mm	£4,723.70

Technical Specification

Filter model	Tank Diameter (mm)	Bed Depth (mm)	Filter Area (m²)	Valve Size (inch/mm)	Pea Gravel (kg)	Sand (kg)	EcoPure Glass (kg)	Glass Pearl (kg)	Max. Flow (m³/hr)
LSC-36	900	500	0.660	3 / 90	75	300	225	330	26
LSC-42	1100	550	0.970	3 / 90	100	450	350	540	43
LSC-48	1200	700	1.130	3 / 90	175	675	525	742	56

Dimension (mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	X
LSC-36	128	900	915	230	110	300	303	980	90	90	735	1385	n/a	n/a	500
LSC-42	128	1086	1100	230	110	325	370	1099	95	90	740	1570	n/a	n/a	550
LSC-48	128	1200	1240	430	110	559	360	1330	100	90	1200	1660	430	330	700



Commercial Filters



LACRON FINAFLow MBF - MEDIUM BED SAND FILTER - 2.5 bar pressure rating

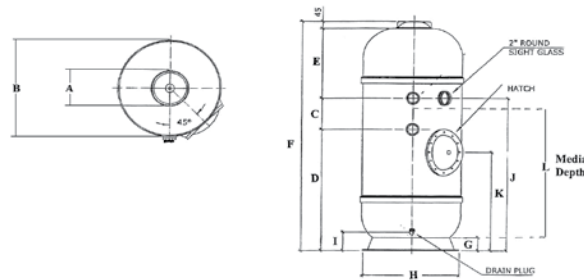
Part No.	Product Description	Nom. Size	Price
	With side hatch, sight glass, connecting unions & pipeset		
2220588	MBF - 24 1½" (50mm) Connections	24" - 610mm	£1,955.90
2220598	MBF - 30 2" (63mm) Connections	30" - 760mm	£2,484.20

Technical Specification

Filter model	Tank Diameter (mm)	Bed Depth (mm)	Filter Area (m²)	Valve Size (inch/mm)	Pea Gravel (kg)	Sand (kg)	EcoPure Glass (kg)	Glass Pearl (kg)	Max. Flow (m³/hr)
MBF-24	610	1000	0.300	1.5 / 50	75	350	280	385	15
MBF-30	760	1000	0.450	2 / 63	100	550	440	605	22.5

Dimension (mm)

Model	A	B	C	D	E	F	G	H	I	J	K	L
MBF-24	230	625	204	796	456	1600	85	595	120	1085	640	1000
MBF-30	230	780	214	786	460	1600	110	740	120	1110	645	1000



*DBF 24 tank configuration

LACRON FINAFLow DBF - DEEP BED SAND FILTER - 2.5 bar pressure rating

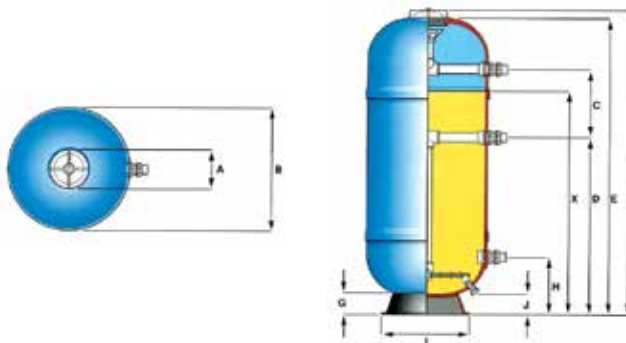
Part No.	Product Description	Nom. Size	Price
	With side hatch, sight glass & connecting unions		
222041624	DBF - 24 2" (63mm) Connections	24" - 610mm	£2,013.60
222041630	DBF - 30 2" (63mm) Connections	30" - 760mm	£2,966.70
222041636	DBF - 36 3" (90mm) Connections	36" - 915mm	£3,849.30
222041642	DBF - 42 3" (90mm) Connections	42" - 1100mm	£4,823.80

Technical Specification

Filter model	Tank Diameter (mm)	Bed Depth (mm)	Filter Area (m²)	Valve Size (inch/mm)	Pea Gravel (kg)	Sand (kg)	EcoPure Glass (kg)	Glass Pearl (kg)	Max. Flow (m³/hr)
DBF-24	610	1300	0.300	63 / 2	75	500	400	550	15
DBF-30	760	1525	0.450	63 / 2	100	775	625	852	22.5
DBF-36	915	1550	0.660	90 / 3	150	950	750	1045	33
DBF-42	1100	1580	0.970	90 / 3	150	1650	1400	1815	48.5

Dimension (mm)

Model	A	B	C	D	E	F	G	H	I	J	X
DBF-24	230	625	260	1250	1750	1775	80	275	500	80	1300
DBF-30	230	780	275	1350	1860	1910	95	295	710	85	1525
DBF-36	230	948	300	1375	1900	1960	90	300	745	90	1550
DBF-42	230	1130	300	1400	1985	2010	105	325	1050	90	1580



*DBF 30/36/42 tank configuration

Commercial Filters



SINGLE FILTER 5 VALVE BATTERY SETS

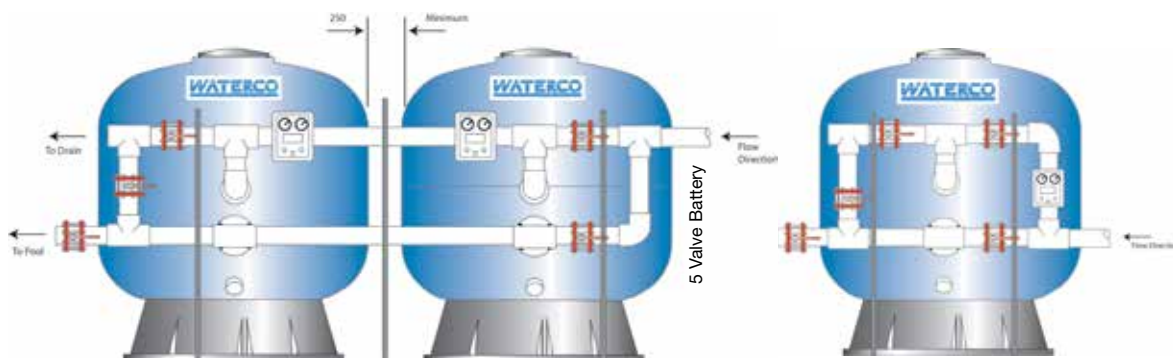
Part No.	Product Description	Nom. Size	Price
72859	5 valve battery 3" connections - Self Assembly	3"	£2,241.40
72862	5 valve battery 4" connections - Self Assembly	4"	£2,871.40
72860	5 valve battery 6" connections - Self Assembly	6"	£4,657.40
72864	5 valve battery 90mm connections - Self Assembly	90mm	£2,241.40
72863	5 valve battery 110mm connections - Self Assembly	110mm	£3,139.00
72861	5 valve battery 160mm connections - Self Assembly	160mm	£4,780.00

All 5 valve batteries come complete with butterfly valves, tees, elbows pipework and 2 pipe supports
Note: Supplied loose in kit form.

DOUBLE FILTER 5 VALVE BATTERY SETS

Part No.	Product Description	Nom. Size	Price
72859DF	125mm valve battery, 3" connections - Self Assembly	3"	£3,738.20
72862DF	140mm valve battery, 4" connections - Self Assembly	4"	£5,768.10
72860DF	225mm valve battery, 6" connections - Self Assembly	6"	£11,398.20
72864DF	125mm valve battery, 3" connections - Self Assembly	90mm	£3,738.20
72863DF	140mm valve battery, 110mm connections - Self Assembly	110mm	£5,768.10
72861DF	225mm valve battery, 160" connections - Self Assembly	160mm	£10,839.90

All double filter 5 valve Battery sets come complete with butterfly valves, tees, elbows, pipework and 3 pipe supports.
Note: Supplied loose in kit form.



Double Filter 5 Valve Battery

Single Filter 5 Valve Battery



PRESSURE GAUGE PANELS

Part No.	Product Description	Price
621640	Dual Pressure Gauge panel complete	£346.00



part code: 2290900

WATERCO COMMERCIAL 4 Bar 6 WAY MULTIPORT VALVES

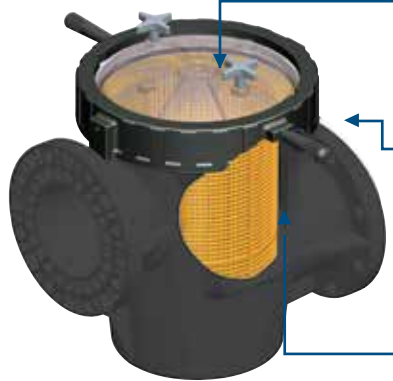
Part No.	Product Description	Nom. Size	Price
All valves come complete with quick connect unions & air relief valve.			
Side Mount			
2290504	2 1/2"/75mm Side Mount MPV only	2 1/2"/75mm	£305.30
22905040	2 1/2"/75mm Side Mount MPV c/w plumbing kit (suitable for SMD filters only)	2 1/2"/75mm	£394.40
2290900	3"/90mm Side Mount MPV only	3"/90mm	£579.70
2290905	3"/90mm Side Mount MPV c/w plumbing kit (suitable for SMD filters only)	3"/90mm	£745.10
2291100	4"/110mm Side Mount MPV only	4"/110mm	£1,170.30
2291105	4"/110mm Side Mount MPV c/w plumbing kit (suitable for SMD filters only)	4"/110mm	£1316.00

Commercial Filters



HYDRO COMMERCIAL STRAINER

Part No.	Product Description	Inlet / Outlet	Price
2409058	Hydro Commercial Strainer - Flanged	6" / 6"	£555.30
2409057	Hydro Commercial Strainer - Flanged	4" / 6"	£539.10
2408054	Hydro Commercial Strainer - Quick-connect inlet / flanged outlet	4" / 4" (110mm)	£528.30

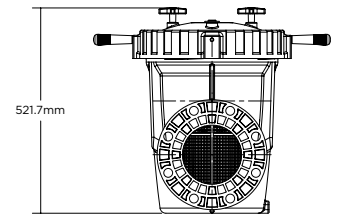
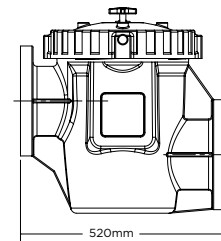
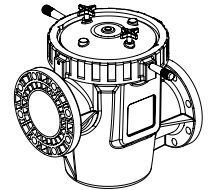
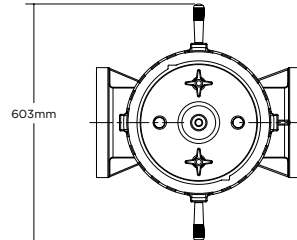


Clear polycarbonate strainer lid enables an instant view of the strainer basket.

Lockring with easy grip handles - no tools required for simple removal & replacement of the lid.

Flanged / union connections

Moulded 16L polypropylene basket.



Commercial



HYDRO COMMERCIAL STRAINER FLANGE ASSEMBLY KITS

Part No.	Product Description	Nominal Size	Price
ZZGP600FK	6" Flange Assembly Kit	6"	£294.80
ZZGP400FK	4" Flange Assembly Kit	4"	£223.90
ZZGP160FK	160mm Flange Assembly Kit	160mm	£229.30
ZZGP110FK	110mm Flange Assembly Kit	110mm	£196.60

Note: Flange Assembly Kits Include:

1 x Backing Ring, 1 x Stub Flange, 1 x Stub Gasket, 8 x bolts, 8 x Nuts and 16 x Washers



AUTO AIR RELEASE VALVE

Part No.	Product Description	Nominal Size	Price
620230	1" Air Release Valve Auto	1"	£205.00
6209448	Manhole lid - oval- to suit 620230 ARV - for use with models SMDD/SPDD up to 2200 model		£686.20
W74850	Manhole lid - oval- to suit 620230 ARV - for use with models SMDD/SPDD up to 2350/2500 models		£705.10



MOUNTED SIGHT GLASS

Part No.	Product Description	Nom. Size	Price
SPXSG300	Mounted sight glass	3"	£173.50
SPXSG400	Mounted sight glass	4"	£182.00
SPXSG600	Mounted sight glass	6"	£352.70
SPXSG90	Mounted sight glass	90mm	£173.50
SPXSG110	Mounted sight glass	110mm	£182.00
SPXSG160	Mounted sight glass	160mm	£352.70

Commercial Filters

Commercial



ULTRAVAC PORTABLE FILTRATION CART

Part No.	Product Description	Inlet / Outlet	Price
200400UK	Ultra Vac Portable Filter Cart (UK 3 pin plug)	1 1/2"/50mm	£2,125.00
200400EU	Ultra Vac Portable Filter Cart (EU 2 pin plug)	1 1/2"/50mm	£2,125.00
For replacement 40sqft cartridge please see p.8 spares			

The Ultravac Filtration Cart includes the following:

- 1 x MultiCyclone Plus MC12 filtration system, complete with 40sqft. cartridge element
- 1 x Supastream 0.50HP self priming pump
- 2 x 1 1/2" Hose tail adaptors
- 1 x Trolley unit
- 1 x 10m Power cord, Isolator and RCD with plug
- 1 x Pump to filter plumbing kit
- 1 x Rotary Isolator switch

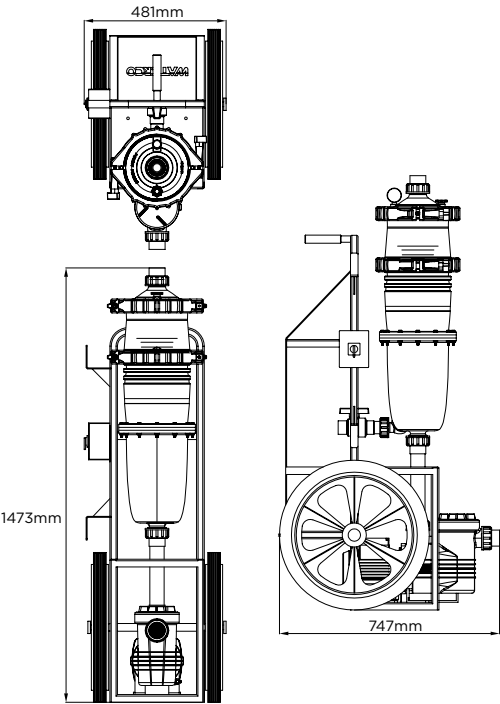
Filtration Mode

By recirculating the water through the MultiCyclone Plus you can remove debris being vacuumed out of the pool or water feature without losing water. The cart is constructed from strong structural steel and powder coated for protection. The UltraVac is designed to last many years even in the most demanding of environments.

Maintenance

The cartridge element in the filter housing is made from high strength polyester backed up with a sturdy plastic core for ultimate strength and durability. The MultiCyclone sediment bowl is simply cleaned by the opening of the purge valve.

Other combinations and personalised branding can be manufactured to order upon request - P.O.A.



Commercial Filters



ULTRAVAC PORTABLE FILTRATION CART - LEAF TRAPPER

Part No.	Product Description	Inlet / Outlet	Price
200400LTUK	Ultra Vac Portable Filter Cart - Leaf Trapper For replacement bags see p108	1½"/50mm	£2,125.00

The Ultravac Filtration Cart includes the following:

- 1 x Trimline Leaf Trapper
- 1 x Supastream 0.50HP self priming pump
- 2 x 1½" Hose tail adaptors
- 1 x Trolley unit
- 1 x 10m Power cord, Isolator and RCD with plug
- 1 x Pump to filter plumbing kit
- 1 x Rotary Isolator switch

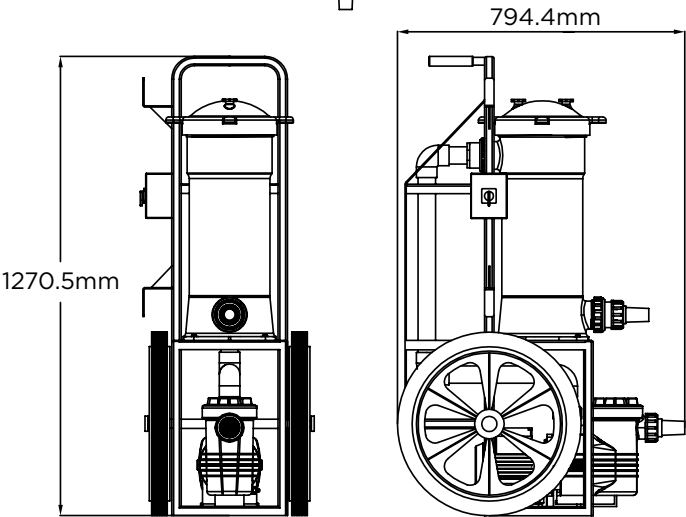
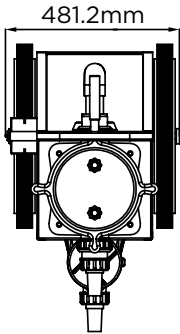
Filtration Mode

By recirculating the water through the Leaf Trapper you can remove debris being vacuumed out of the pool or water feature without losing water. The cart is constructed from strong structural steel and powder coated for protection. The UltraVac is designed to last many years even in the most demanding of environments.

Maintenance

The 800 micron filtration bag in the filter housing is made from high strength, durable nylon for ultimate strength and durability. The bag is simply cleaned by opening the easy access lid and removing the filter bag for either washing or replacement.

Other combinations and personalised branding can be manufactured to order upon request - P.O.A.



ECOPURE

GLASS MEDIA

Efficient • Clean • Long Life

Waterco's EcoPure Glass filter media is manufactured from recycled glass; it is an environmentally friendly and viable alternative to sand, offering a finer filtration.

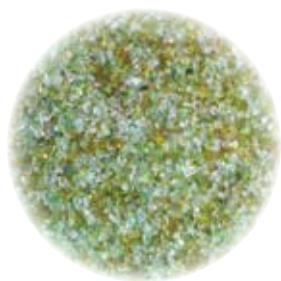
Whereas other filter media may contain a variety of contaminants, Waterco's EcoPure filter media is chemically inert for superior purity. In fact, it does not contain any crystalline free silica or heavy metals.

Its high purity also greatly reduces its initial backwashing requirements, prior to commissioning a filter, enabling a rapid start up of media filters.

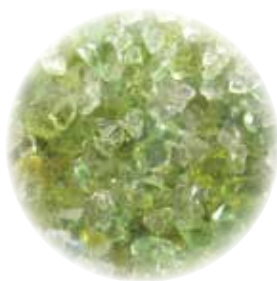
EcoPure is made with 100% recycled glass.

This offers environmental savings when compared with alternative natural resources which would otherwise be used.

Available in three grades with sizes from 0.5mm up to 6mm.



Grade 1 0.5 - 1.0mm
(equivalent to Grade 16/30 sand)



Grade 2 1.0 - 3.0mm



Grade 3 3.0 - 6.0mm
(equivalent to Pea Gravel)

please see page 52 for details



WATERCO
EUROPE LTD
water, the liquid of life

Media

Media





Grade 1 equivalent to 16/30
Grade sand



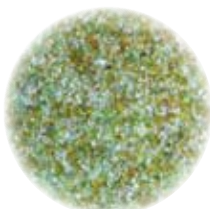
Grade 3 equivalent to 6mm
gravel

ECOPURE

GLASS MEDIA

WATERCO GLASS MEDIA

Part No.	Product Description	Nom. Size	Price
2264/20	Grade 1 (0.5mm - 1mm)	20kg bag	£14.70
2265/20	Grade 2 (1mm - 3mm)	20kg bag	£14.70
2266/20	Grade 3 (3mm - 6mm)	20kg bag	£14.70



Grade 1
0.5mm-1mm



Grade 2
1mm-3mm



Grade 3
3mm-6mm



EcoPure Glass media has the green credentials, and with its superior performance is also cost effective in comparison to sand.

EcoPure Glass media has many benefits over sand:

- **EcoPure Glass media is more efficient**
It removes 30% more material and pollutants than sand, so saving on backwashing and the resultant water, energy and chemical treatment costs.
- **EcoPure Glass media keeps cleaner**
It is less susceptible to bio-fouling. As the product is heat treated, surfaces are smooth, so require less remedial action and less chemical treatment to kill pollutants.
- **EcoPure Glass media requires less material**
It is less dense than sand, requiring 15% - 20% less media to fill the equivalent filter.
- **EcoPure Glass media doesn't degrade**
It therefore has a longer life span.
- **EcoPure Glass media is versatile**
Is suitable for both commercial and domestic applications.
- **EcoPure Glass media complies with:**
 - BS69020 : 2014
 - BS EN12879-3 : 2006
 - WHO Guidelines for drinking water quality 2017

EcoPure media is a truly "recycled product" and therefore contains various colours of glass. These colours being clear, green, brown, blue, red and sometimes white. To use only one colour over others would be antithetical to the recycling ethos and would have little benefit to the environment.

Recycling glass should recycle all the colours, this is something Waterco are proud of offering.

Waterco understands the importance of strong and durable packaging and therefore for EcoPure glass media we use a clear Industrial Champion Polythene Bag rated at 110 micron. The bags have been manufactured to ISO9000 and PIFA standards which also includes a UV additive to ensure the highest quality packaging.

GLASS PEARLS



WATERCO GLASS PEARLS MEDIA

Part No.	Product Description	Nom. Size	Price
35320011	Grade 1 Glass Pearls Media 0.6mm - 0.8mm	20Kg	£38.80

Manufactured from 100% virgin glass, Waterco Glass Pearls are a new generation of filter media, capable of providing water of superior clarity and requiring less water for backwashing.

Superior Clarity

Grade 1 Glass Pearls have a small, effective size of only 0.6mm to 0.8mm. Their narrow particle size range allows in-depth filtration and extends operating cycles between backwashing. Glass Pearls have been laboratory tested to be able to effectively filter down to below 3 microns.



Safe and Smooth

Glass Pearls are spherical and do not have any sharp edges. They are safe to handle and safe to service. If there is ever a failure of the filter's laterals and glass beads flow into the swimming pool, they pose no risk of injury to swimmers.

High Purity

Waterco Glass Pearls are manufactured from 100% virgin glass and are chemically inert. Waterco Glass Pearls have been independently laboratory tested for leaching contaminants and found to be well within Australian Drinking Water Guidelines.

Save Water

Glass Pearls' spherical smooth shape, results in a low coefficient of friction, reducing their backwash water requirements. Glass Pearls backwash with up to 20% less water than sand, saving time and water.

Time Saving

Glass Pearls are easy to install and enable a rapid start up of the media filter. Their high purity means very little backwashing is required to cleanse the filter media, prior to commissioning the filter.



The Ultimate In Filtration



CLIMATECARE
CERTIFIED

*in conjunction with
Micron Eco filter

Technical Specifications	
Filtration Media	Glass Pearl
Backwash rate	16m ³ /hr/m ²
Effective Size (mm)	0.61
Uniformity Coefficient	1.21
Bulk Density	1.61
Mohs Hardness	7.0

Chemical Compositions	
Silicon dioxide (SiO ₂)	70.00 - 75.00%
Sodium oxide (Na ₂ O)	12.00 - 15.00%
Calcium oxide (CaO)	7.00 - 12.00%
Magnesium oxide (MgO)	approx - 5.00%
Aluminium (Al ₂ O ₃)	approx - 2.50%
Potassium oxide (K ₂ O)	approx- 1.50%

COMMERCIAL PUMPS

Waterco commercial pumps incorporate the latest technology in design and construction to produce a high performance, energy saving pump ideal for any situation that demands maximum output.



Hydrostar Plus Pump

Hydrostar Plus pumps incorporate the latest technology in design and construction to produce a high-performance self-priming pump. Constructed from an injection moulded glass reinforced thermoplastic, its pump body is manufactured utilising state of the art engineered plastic moulding for extra strength. Its clear polycarbonate strainer lid enables an instant view of the strainer basket. Plus, the pump's lid lock ring is equipped with ergonomic grip handles – for easy removal & replacement.

Hydrostar MKIII Pump

Purpose built for commercial sized swimming pools, Hydrostar MKIII pumps efficiently deliver high flow rates and incorporate an innovative quarter lid & lock ring assembly for easy maintenance.

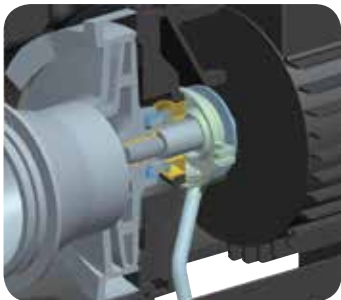
Pumps



Pumps



The Aquamite is a compact pump ideal for domestic swimming pools and small recirculation systems, including ponds and water features.



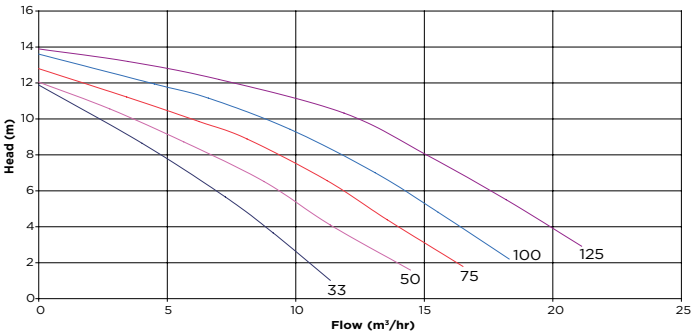
WATERCO AQUAMITE PUMPS - Single Phase 220v - 240v, S/S shaft, CE approved

Part No.	Product Description	Q. Max	P. Max	Price
1½" port supplied with 1½" imperial & 50mm metric quick connect unions.				
Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal.				
2402033PNR-M	Aquamite 033	11.3m³/hr	0.53kW	£388.00
2402050PNR-M	Aquamite 050	14.4m³/hr	0.58kW	£407.10
2402075PNR-M	Aquamite 075	16.8m³/hr	0.65kW	£421.10
2402100PNR-M	Aquamite 100	19.8m³/hr	0.76kW	£453.50
2402125PNR-M	Aquamite 125	22.2m³/hr	0.88kW	£458.00

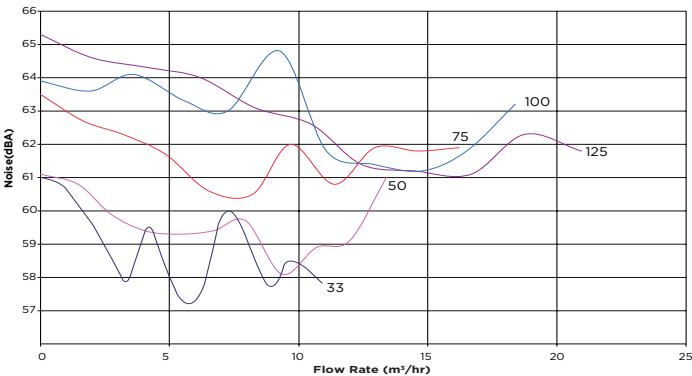
Price and availability for TUV approved models available on request

Silicon carbide seal required for salt water installations, pricing available on request

Flow Curve



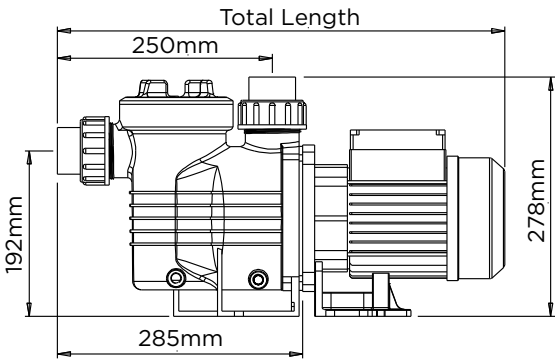
Noise Curve



Specifications

Model	HP	Pmax kW	Amps	Phase	Total Length (mm)	Motor Frame	Flow Rate Qmax.
2402033	0.33	0.53	2.3	1	497	63	11.3m³/hr
2402050	0.50	0.58	2.50	1	497	63	14.4m³/hr
2402075	0.75	0.65	3.00	1	497	63	16.8m³/hr
2402100	1.00	0.76	3.33	1	520	71	19.8m³/hr
2402125	1.25	0.88	3.90	1	520	71	22.2m³/hr

Phase	Volts	Cycle	RPM
1	220 - 240	50	2860



Pumps



Supastream pumps are general purpose units designed for use in swimming pools and low pressure water recirculation applications.

WATERCO SUPASTREAM PUMPS - Single Phase 220v - 240v, S/S shaft, CE approved

Part No.	Product Description	Q. Max	P. Max	Price
1 1/2" port supplied with 1 1/2" imperial & 50mm metric quick connect unions. Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal.				
2403050PNR-M	Supastream 050	14.4m ³ /hr	0.57kW	£458.00
2403075PNR-M	Supastream 075	16.8m ³ /hr	0.61kW	£472.90
2403100PNR-M	Supastream 100	20.4m ³ /hr	0.82kW	£496.10
2403150PNR-M	Supastream 150	24.9m ³ /hr	1.09kW	£547.00

Price and availability for TUV approved models available on request

All models also available with 2"/63mm ports - pricing and availability on request. Silicon carbide seal required for salt water installations, pricing available on request

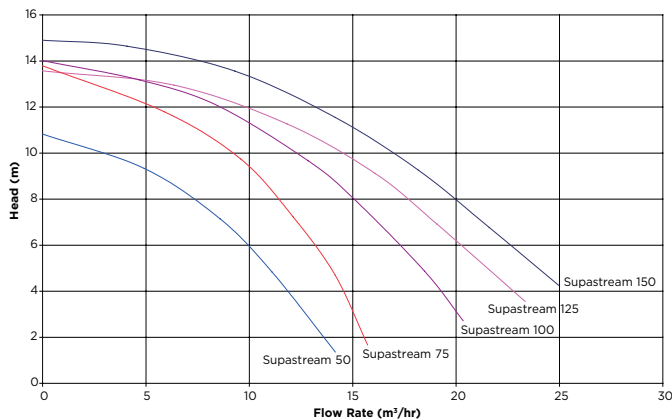
WATERCO SUPASTREAM PUMPS - Three Phase 380v - 415v, S/S shaft, CE approved

Part No.	Product Description	Q. Max	P. Max	Price
1 1/2" port supplied with 1 1/2" imperial & 50mm metric quick connect unions. Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal.				
24030503EUM	Supastream 050	14.4m ³ /hr	0.59kW	£458.00
24030753EUM	Supastream 075	16.8m ³ /hr	0.59kW	£472.90
24031003E3EUM	Supastream 100	20.4m ³ /hr	0.82kW	£515.00
24031503E3EUM	Supastream 150	24.9m ³ /hr	1.06kW	£562.00

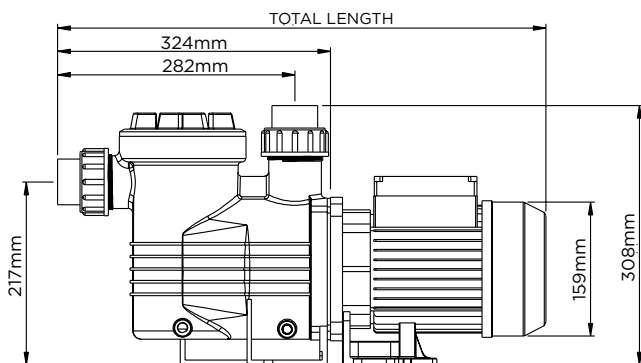
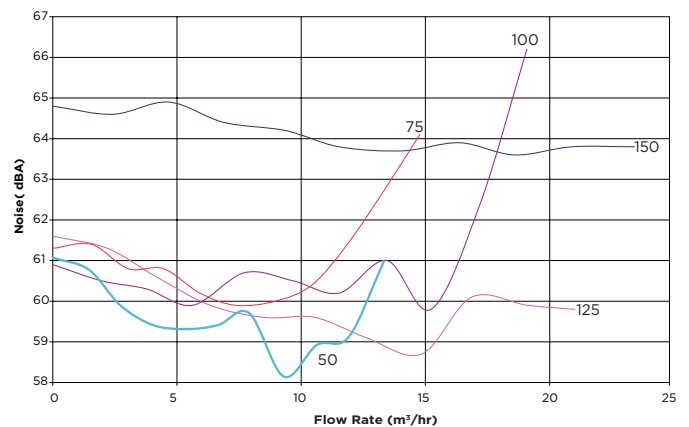
Price and availability for TUV approved models available on request

All models also available with 2"/63mm ports - pricing and availability on request. Silicon carbide seal required for salt water installations, pricing available on request

Flow Curve



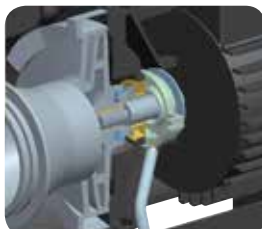
Noise Curve



Specifications

Model	HP	Pmax kW	Amps	Phase	Total Length (mm)	Motor Frame	Flow Rate Qmax.
2403050	0.50	0.57	2.5	1	524	63	14.4m ³ /hr
24030503	0.50	0.59	1.3	3	524	63	14.4m ³ /hr
2403075	0.75	0.61	2.8	1	536	71	16.8m ³ /hr
24030753	0.75	0.59	1.2	3	536	71	16.8m ³ /hr
2403100	1.00	0.82	3.6	1 & 3	559	71	20.4m ³ /hr
2403125	1.25	0.88	3.9	1	559	71	23.4m ³ /hr
24031253	1.25	0.83	1.9	3	559	71	23.4m ³ /hr
2403150	1.50	1.09	4.9	1	580	80	24.9m ³ /hr
24031503	1.50	1.06	2.1	3	580	80	24.9m ³ /hr

Phase	Volts	Cycle	RPM
1	220 - 240	50	2860
3	380 - 415	50	2860



Pumps

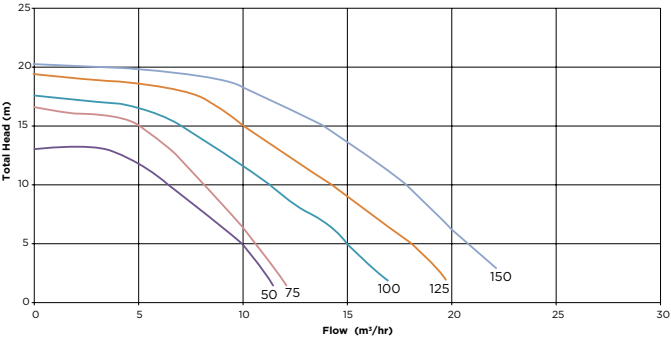


The Lacronite pump is ideal for large domestic swimming pools with ancillary systems such as heating, in-floor cleaning, fountains, vacuum cleaning and swim jets.

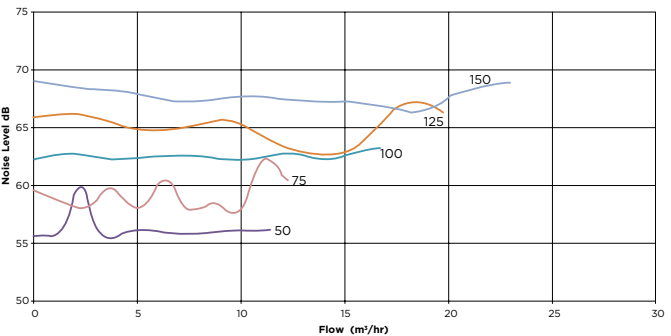
WATERCO LACRONITE PUMPS—Single phase 220v—240v, S/S shaft, CE approved

Part No.	Product Description	Q. Max	P. Max	Price
1½" port supplied with 1½" imperial & 50mm metric quick connect unions and internal threaded connections. Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal.				
24070050	Lacronite 0.5HP	11.65m³/h	0.61kW	£650.40
24070075	Lacronite 0.75HP	12.30m³/h	0.78kW	£678.90
24070100	Lacronite 1HP	17.15m³/h	0.96kW	£728.80
24070125	Lacronite 1.25HP	19.66m³/h	1.10kW	£771.40
24070150	Lacronite 1.5HP	22.79m³/h	1.38kW	£801.70
Price and availability for TUV approved models available on request Silicon Carbide seal required for salt water applications, pricing available on request.				

Flow Curve



Noise Curve



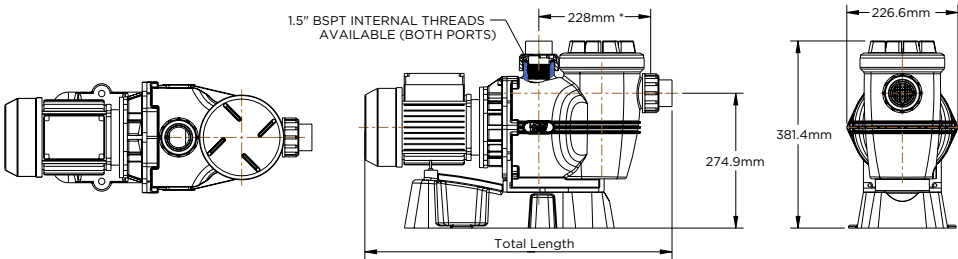
Direct replacement for the STARITE 5P2R and the Hayward Super Pump

NO alteration of plumbing required

Specifications

Model	Flow rate m³/hr		Nominal Power (hp)	Motor input (kW)	Amps	Total Length (mm)	Total Width (mm)	Total High (mm)
	8m	10m						
Lacronite 50	8	6	0.50	0.61	3.2	609	226.6	381.4
Lacronite 75	9	8	0.75	0.78	3.7	609	226.6	381.4
Lacronite 100	14	12	1.00	0.96	4.3	609	226.6	381.4
Lacronite 125	15	14	1.25	1.10	4.9	609	226.6	381.4
Lacronite 150	19	17	1.50	1.38	6.2	629	226.6	381.4

Phase	Volts	Cycle	RPM
1	220 - 240	50	2860



Pumps

LACRONITE ECO-Vs

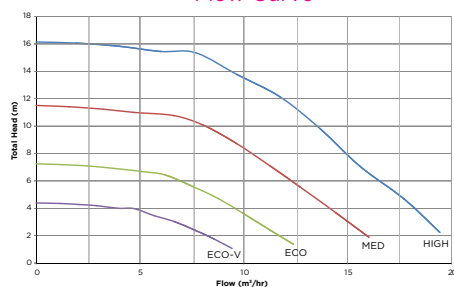


The Lacronite ECO Vs pump is ideal for large domestic swimming pools with ancillary systems such as heating, in-floor cleaning, fountains, vacuum cleaning and swim jets.

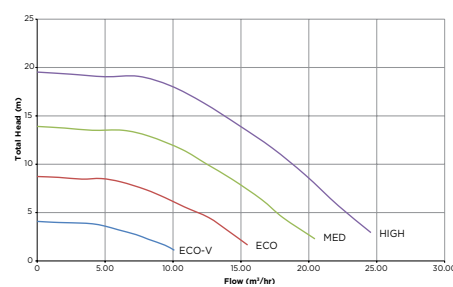
WATERCO LACRONITE ECO V PUMPS—Single phase 220v—240v, S/S shaft, CE approved

Part No.	Product Description	P. Max	Price
1 1/2" port supplied with 1 1/2" imperial & 50mm metric quick connect unions and internal threaded connections. Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal.			
240701009	Lacronite ECO VS 1HP	0.87kW	£1,643.60
240701509	Lacronite ECO VS 1.5HP	1.39kW	£1,748.00
Price and availability for TUV approved models available on request			
Silicon Carbide seal required for salt water applications, pricing available on request.			
8518070	5m communication cable		£102.90

Flow Curve

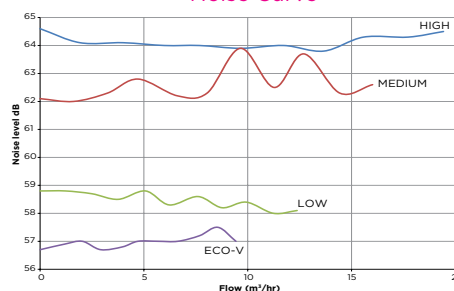


ECO-Vs 100

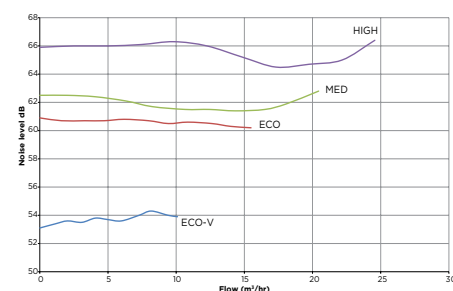


ECO-Vs 150

Noise Curve



ECO-Vs 100



ECO-Vs 150

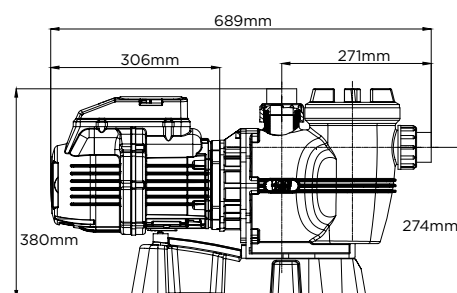
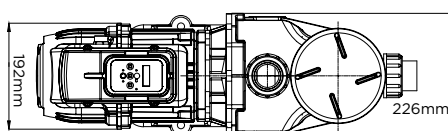
Direct replacement for the STARITE 5P2R and the Hayward Super Pump
NO alteration of plumbing required



Specifications

Model	Flow rate m³/hr		Nominal Power	Motor input	Amps	Total Length	Total Width	Total High
	8m	10m	(hp)	(kW)		(mm)	(mm)	(mm)
Lacronite 100ECO -Vs	14	12	1.00	0.87	6.4	633	226	380
Lacronite 150ECO -Vs	19	17	1.50	1.39	8.9	689	226	380

Phase	Volts	Cycle	RPM
1	220 - 240	50	1900 (Low) , 2410 (Medium) , 2850 (High)



Pumps



The Supatuf is ideal for large domestic swimming pools with ancillary systems.



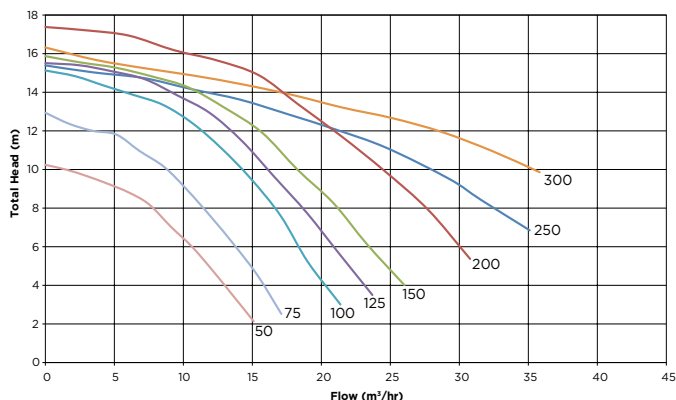
WATERCO SUPATUF MK2 PUMPS - Single Phase 220v - 240v, S/S shaft

Part No.	Product Description	Q. Max	P. Max	Price
2" port supplied with 2" imperial & 63mm metric quick connect unions				
Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal				
241050EUM	Supatuf 050	14.5m ³ /hr	0.54kW	£622.40
241075EUM	Supatuf 075	16.7m ³ /hr	0.63kW	£636.40
241100EUM	Supatuf 100	21.8m ³ /hr	0.84kW	£660.40
241150EUM	Supatuf 150	27.4m ³ /hr	1.15kW	£710.00
241200EUM	Supatuf 200	33.2m ³ /hr	1.50kW	£759.40
241250EUM	Supatuf 250	35.8m ³ /hr	1.81kW	£809.00
241300EUM	Supatuf 300	37.1m ³ /hr	2.06kW	£866.60
Silicon carbide seal required for salt water installations, pricing available on request				

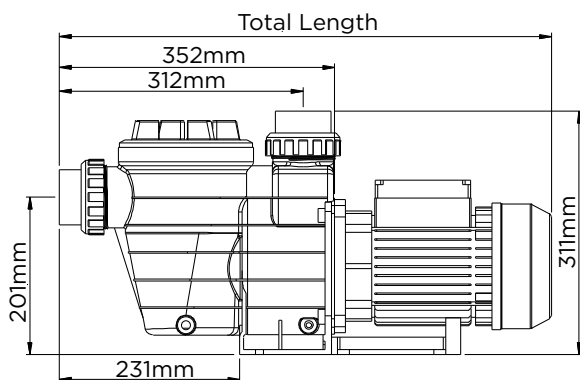
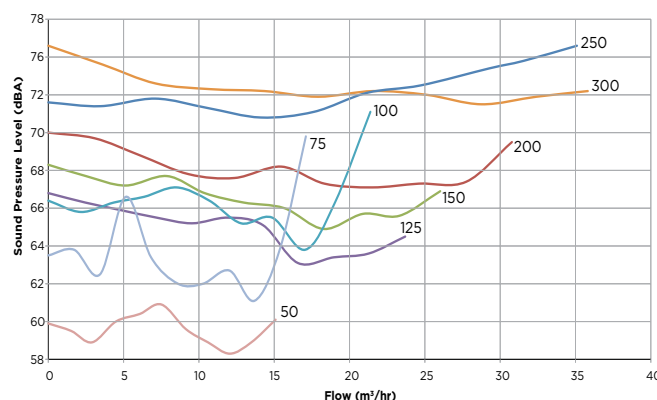
WATERCO SUPATUF MK2 PUMPS - Three Phase 380v - 415v, S/S shaft

Part No.	Product Description	Q. Max	P. Max	Price
2" port supplied with 2" imperial & 63mm metric quick connect unions				
Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal				
2410503EUM	Supatuf 050	14.5m ³ /hr	0.49kW	£622.40
2410753EUM	Supatuf 075	16.7m ³ /hr	0.60kW	£636.40
2411003EUM	Supatuf 100	21.8m ³ /hr	0.86kW	£660.40
2411503EUM	Supatuf 150	27.4m ³ /hr	1.09kW	£710.00
2412003EUM	Supatuf 200	33.2m ³ /hr	1.43kW	£759.40
2412503EUM	Supatuf 250	35.8m ³ /hr	1.73kW	£784.30
2413003EUM	Supatuf 300	37.1m ³ /hr	1.99kW	£833.70
Silicon carbide seal required for salt water installations, pricing available on request				

Flow Curve



Noise Curve



Specifications

Model	HP	Pmax kW	Amps	Phase	Total Length (mm)	Motor Frame	Flow Rate Qmax.
241050	0.50	0.54	2.4	1	556	63	14.5m ³ /hr
2410503	0.50	0.49	1.2	3	556	63	14.5m ³ /hr
241075	0.75	0.63	2.9	1	587	71	16.7m ³ /hr
2410753	0.75	0.60	1.2	3	587	71	16.7m ³ /hr
241100	1.00	0.84	3.70	1	587	71	21.8m ³ /hr
2411003	1.00	0.86	1.9	3	587	71	21.8m ³ /hr
241125	1.25	0.96	4.20	1	587	71	24.9m ³ /hr
2411253	1.25	1.01	2.0	3	587	71	24.9m ³ /hr
241150	1.50	1.15	5.30	1	608	80	27.4m ³ /hr
2411503	1.50	1.09	2.1	3	608	80	27.4m ³ /hr
241200	2.00	1.50	7.20	1	629	80	33.2m ³ /hr
2412003	2.00	1.43	2.6	3	629	80	33.2m ³ /hr
241250	2.50	1.81	8.50	1	653	90	35.8m ³ /hr
2412503	2.50	1.73	3.6	3	653	90	35.8m ³ /hr
241300	3.00	2.06	9.7	1	670	90	37.1m ³ /hr
2413003	3.00	1.99	3.7	3	670	90	37.1m ³ /hr

Phase	Volts	Cycle	RPM
1	220 - 240	50	2860
3	380 - 415	50	2860

Pumps



WATERCO SUPATUF ECO V PUMPS - Single Phase 220v - 240v, S/S shaft

Part No.	Product Description	P. Max	Price
2" port supplied with 2" imperial & 63mm metric quick connect unions			
Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal			
2411009EUM	Supatuf Eco V 100	22.1m ³ /hr 0.84kW	£1,483.20
2411509EUM	Supatuf Eco V 150	26.8m ³ /hr 1.03kW	£1,710.00
8518070	5m communication cable		£102.90
Silicon carbide seal required for salt water installations, pricing available on request			

Supatuf ECO V's 3 speed options cater for most pool functions.

- High speed - Vacuuming and backwash, 1% of the time.
- Medium speed - Automatic pool cleaners.
- Low speed - Filtration, 99% of the time

As a pool's filtration cycle occupies 99% of the run time of a pool pump, you can operate the Supatuf ECO V on its low speed setting for a majority of its running time, leading to significant energy savings.

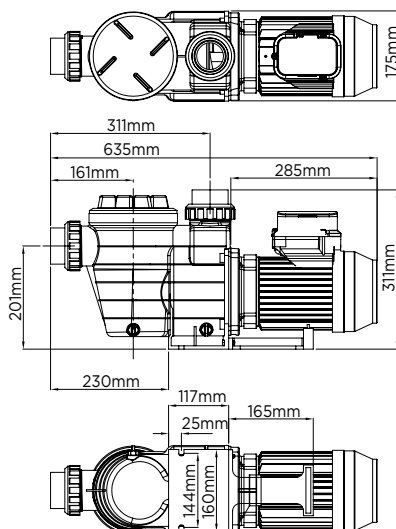
Equipped with an energy saving variable speed motor, Supatuf ECO V is capable of lowering its energy usage, reducing its energy usage and reducing its operating noise levels.

- Permanent magnet brushless DC motor
- Ultra quiet operation
- 2" / 63mm quick connect unions

Specifications

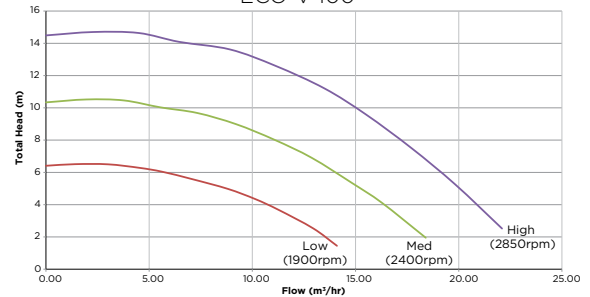
Model	HP	Pmax kW	Amps	Total Length (mm)	input (kW)
2411009EUM	1.00	0.84	6.5	635	0.97
2411509EUM	1.50	1.03	7.4	635	1.39

Phase	Volts	Cycle	RPM
1	220 - 240	50	1900 (Low) 2410 (Medium) 2850 (High)

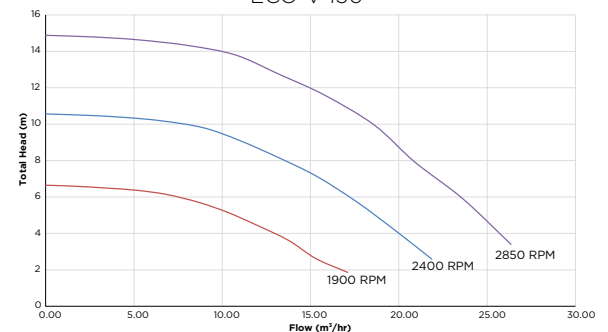


Flow Curve

ECO-V 100

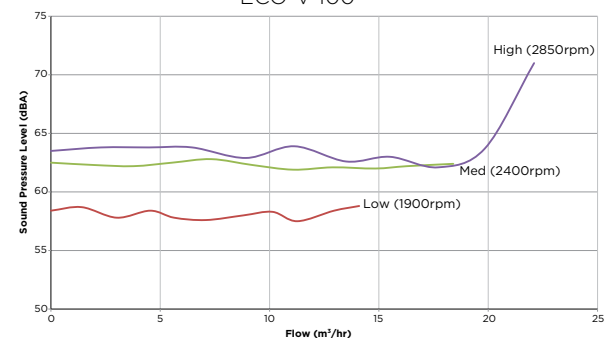


ECO-V 150

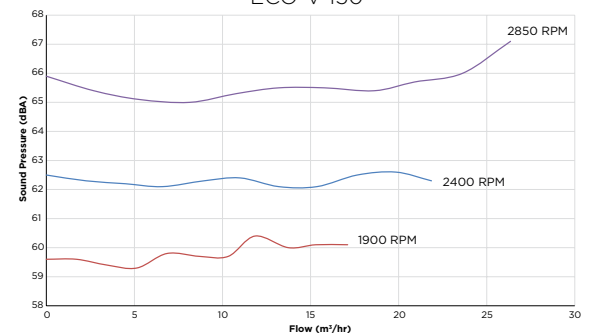


Noise Curve

ECO-V 100



ECO-V 150



Pumps



The Hydrostorm is designed to have all the extra power you need to cope with today's swimming pool designs.

WATERCO HYDROSTORM PUMPS HIGH HEAD - Single Phase 220v - 240v, S/S shaft

Part No.	Product Description	Q. Max	P. Max	Price
2" port supplied with 2" imperial & 63mm metric quick connect unions.				
Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal.				
244100EUM	Hydrostorm 100	19.60m³/hr	0.88kW	£699.60
244125EUM	Hydrostorm 125	19.80m³/hr	1.08kW	£718.70
244150EUM	Hydrostorm 150	24.26m³/hr	1.28kW	£756.90
244200EUM	Hydrostorm 200	26.03m³/hr	1.41kW	£807.80
244250EUM	Hydrostorm 250	32.22m³/hr	1.90kW	£940.30
244300EUM	Hydrostorm 300	35.16m³/hr	2.24kW	£1,121.90

Silicon carbide seal required for salt water installations, pricing available on request

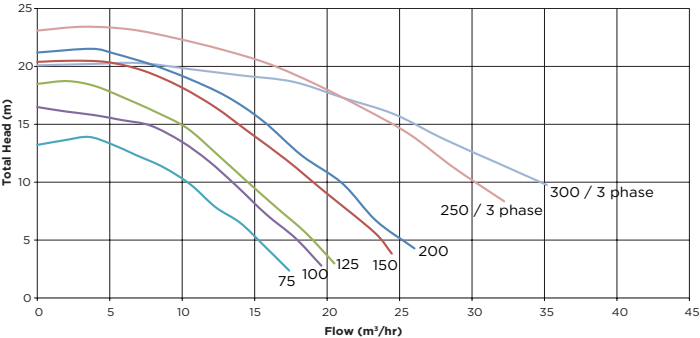
WATERCO HYDROSTORM PUMPS HIGH HEAD - Three Phase 380v - 415v, S/S shaft

Part No.	Product Description	Q. Max	P. Max	Price
2" port supplied with 2" imperial & 63mm metric quick connect unions.				
Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal.				
2441003E3EUM	Hydrostorm 100	19.6m³/hr	0.91kW	£710.00
2441253E3EUM	Hydrostorm 125	19.8m³/hr	1.03kW	£718.70
2441503E3EUM	Hydrostorm 150	24.1m³/hr	1.33kW	£756.90
2442003E3EUM	Hydrostorm 200	26.3m³/hr	1.45kW	£807.80
2442503E3EUM	Hydrostorm 250	32.22m³/hr	1.81kW	£940.30
2443003E3EUM	Hydrostorm 300	35.16m³/hr	2.24kW	£1,121.90

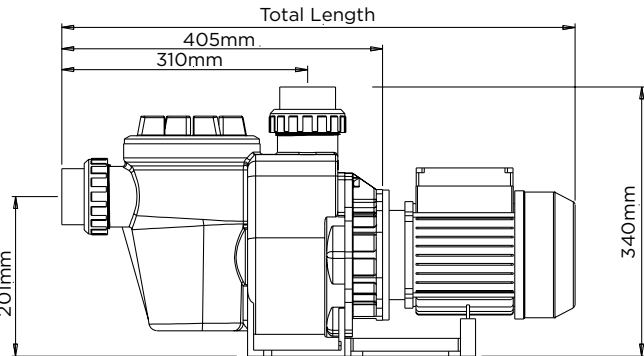
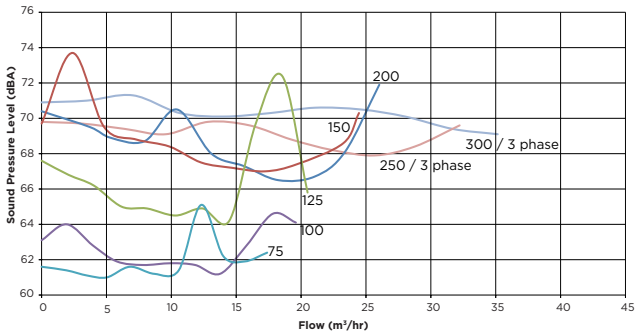
Price and availability for TÜV approved models available on request

Silicon carbide seal required for salt water installations, pricing available on request

Flow Curve



Noise Level



Specifications

Model	HP	Pmax KW	Amps	Phase	Total Length (mm)	Motor Frame	Flow Rate Qmax.
244100EUM	1.00	0.88	3.89	1	541	71	19.60m³/hr
2441003EUM	1.00	0.91	1.85	3	541	71	19.60m³/hr
244125EUM	1.25	1.08	4.80	1	541	71	19.8m³/hr
2441253EUM	1.25	1.03	2.00	3	541	71	19.8m³/hr
244150EUM	1.50	1.28	5.90	1	646	80	24.26m³/hr
2441503EUM	1.50	1.33	2.40	3	646	80	24.26m³/hr
244200EUM	2.00	1.41	6.64	1	646	80	26.03m³/hr
2442003EUM	2.00	1.45	2.50	3	646	80	26.03m³/hr
244250EUM	2.50	1.90	8.40	1	646	80	32.22m³/hr
2442503EUM	2.50	1.81	3.59	3	646	80	32.22m³/hr
244300EUM	3.00	2.24	10.77	1	646	80	35.16m³/hr
2443003EUM	3.00	2.24	3.58	3	646	80	35.16m³/hr

Phase	Volts	Cycle	RPM
1	220 - 240	50	2860
3	380 - 415	50	2860

Pumps



WATERCO HYDROSTORM ECO PUMPS - Single Phase 220v - 240v, S/S shaft

Part No.	Product Description	Price
	2" port supplied with 2" imperial & 63mm metric quick connect unions Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal	
2441005EUM	Hydrostorm ECO 100 3 speed	£839.60
	Price and availability for (2 1/2" / 75mm ports) TÜV approved models available on request	
8518070	5m communication cable	£102.90

Saving Energy

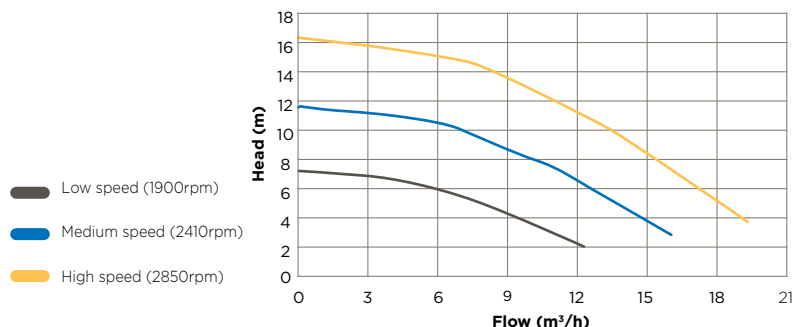
Conventional pool pumps are limited to one set speed. A pool pump is usually sized to cater for the pool's maximum water flow requirements, which may either be the sand filter's backwash water flow or to provide sufficient water flow to operate a suction cleaner.

As the speed of a conventional pump cannot be changed, the same maximum water flow is applied across the pool's various requirements.

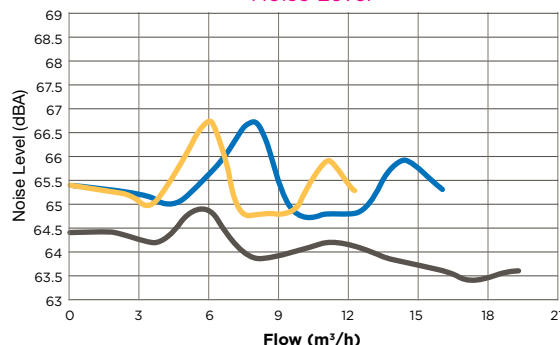
Equipped with 3 speed permanent magnet brushless DC motor, Hydrostorm ECO is capable of lowering its motor speed, reducing water flow and lowering its energy consumption.



Flow Curve



Noise Level



3 Speed Options

Hydrostorm ECO's 3 speed options cater for most pool functions.

- **High speed** - Vacuuming and backwash - 1% of the time
- **Medium speed** - Automatic pool cleaners
- **Low speed** - Filtration - 99% of the time

Pool filtration does not require to be operated at a pump's maximum water flow rate. In fact, your pool's filtration efficiency improves at lower flow rates. As a pool's filtration cycle occupies 99% of the run time of a pool pump, you can operate the Hydrostorm ECO on its low speed setting for a majority of its running time, leading to significant energy savings.



Hydrostorm ECO can slash its energy usage by up to 67% by operating it at low speed



Specifications

Length (mm)	Height (mm)	Width (mm)	Packaged Weight (kg)
651	340	227	10

Low speed (1900rpm)

Pump Total Head (m)	Flow Rate (m³/h)	Motor Input (kW)	Amps	Noise Level (dBA)
4.3	8.5	0.32	2.5	59.8
5.6	7.3	0.32	2.5	60.1
6.9	6	0.32	2.4	60.5

Medium speed (2410rpm)

Pump Total Head (m)	Flow Rate (m³/h)	Motor Input (kW)	Amps	Noise Level (dBA)
6.8	12.9	0.62	4.6	63.4
8.5	11.5	0.61	4.6	63.8
10.0	9.7	0.61	4.6	64.1

High speed (2850rpm)

Pump Total Head (m)	Flow Rate (m³/h)	Motor Input (kW)	Amps	Noise Level (dBA)
6.7	17.2	0.94	7.1	67.7
9.6	15.3	0.97	7.3	67.2
10.6	13.3	0.98	7.3	67.2

Pumps



The Hydrotuf is ideal for large domestic pools with ancillary systems such as heating, in-floor cleaning, vacuum cleaning, fountains and swim jets.

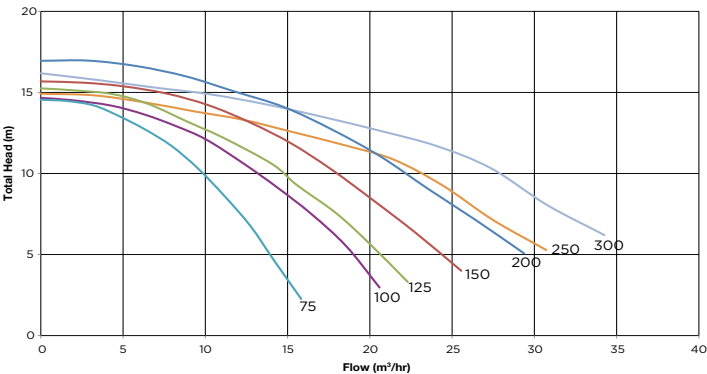
WATERCO HYDROTUF PUMPS - Single Phase 220v - 240v, S/S shaft

Part No.	Product Description	Q. Max	Price
2" port supplied with 2" imperial & 63mm metric quick connect unions			
Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal			
2410755EUM	Hydrotuf 075	16.7m³/hr	£610.60
2411005EUM	Hydrotuf 100	21.8m³/hr	£617.00
2411255EUM	Hydrotuf 125	24.9m³/hr	£636.00
2411505EUM	Hydrotuf 150	27.4m³/hr	£674.20
2412005EUM	Hydrotuf 200	33.2m³/hr	£717.80
2412505EUM	Hydrotuf 250	34.8m³/hr	£763.20
2413005EUM	Hydrotuf 300	35.8m³/hr	£852.30
Price and availability for (2 1/2" / 75mm ports) TÜV approved models available on request			
Silicon carbide seal required for salt water installations, pricing available on request			

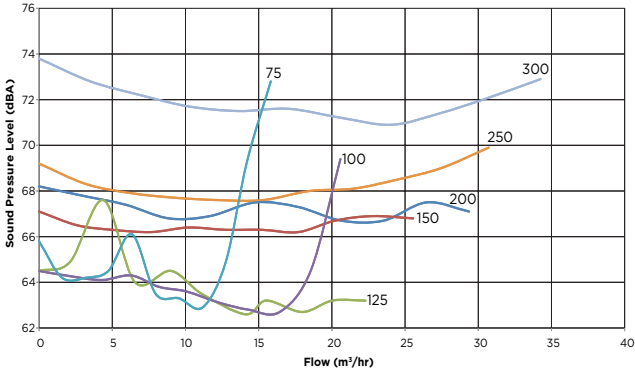
WATERCO HYDROTUF PUMPS - Three Phase 380v - 415v, S/S shaft

Part No.	Product Description	Price
2" port supplied with 2" imperial & 63mm metric quick connect unions		
Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal		
24107553E3EUM	Hydrotuf 075	£610.60
24115053E3EUM	Hydrotuf 150	£674.20
24120053E3EUM	Hydrotuf 200	£717.90
24125053E3EUM	Hydrotuf 250	£763.20
24130053E3EUM	Hydrotuf 300	£852.30
Price and availability for TÜV (2 1/2" ports) approved models available on request		
Silicon carbide seal required for salt water installations, pricing available on request		

Flow Curve



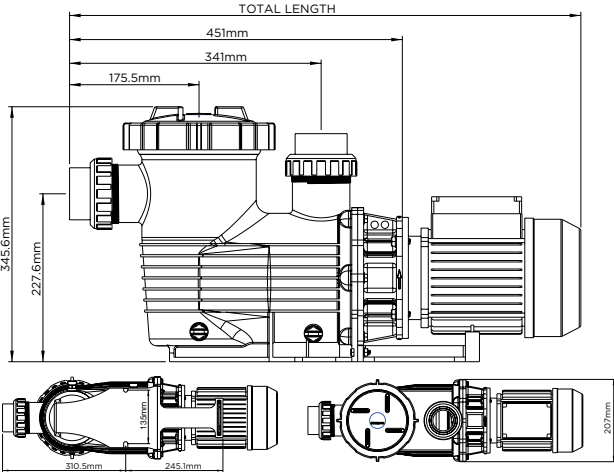
Noise Level



Specifications

Model	HP	Pmax kW	Amps	Phase	Total Length (mm)	Motor Frame	Flow Rate Qmax.
2410755EUM	0.75	0.63	2.9	1	587	71	16.7m³/hr
24107553E3EUM	0.75	0.60	1.2	3	587	71	16.7m³/hr
2411005EUM	1.00	0.86	4.0	1	587	71	21.8m³/hr
24110053E3EUM	1.00	0.86	1.9	3	587	71	21.8m³/hr
2411255EUM	1.25	0.95	4.0	1	587	71	24.9m³/hr
24112553E3EUM	1.25	1.01	2.0	3	587	71	24.9m³/hr
2411505EUM	1.50	1.10	4.7	1	608	80	27.4m³/hr
24115053E3EUM	1.50	1.09	2.1	3	608	80	27.4m³/hr
2412005EUM	2.00	1.50	6.8	1	629	80	33.2m³/hr
24120053E3EUM	2.00	1.43	2.6	3	629	80	33.2m³/hr
2412505EUM	2.50	1.81	8.5	1	653	90	34.3m³/hr
24125053E3EUM	2.50	1.73	3.6	3	653	90	34.3m³/hr
2413005EUM	3.00	2.06	9.7	1	670	90	35.8m³/hr
24130053E3EUM	3.00	1.99	3.7	3	670	90	35.8m³/hr

Phase	Volts	Cycle	RPM
1	220 - 240	50	2860
3	380 - 415	50	2860



Pumps



The Hydrostorm Plus has all the proven features of the Hydrostorm with the added benefit of an innovative lid and locking for easier maintenance and a larger strainer basket for increased capacity.

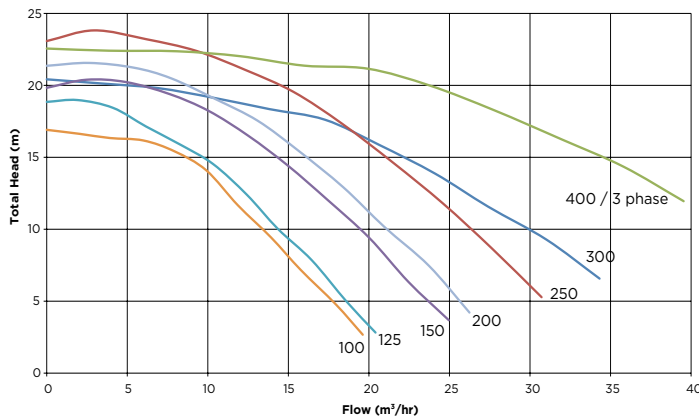
WATERCO HYDROSTORM PLUS PUMPS HIGH HEAD - Single Phase, S/S shaft

Part No.	Product Description	Q. Max	P. Max	Price
2" port supplied with 2" imperial & 63mm metric quick connect unions. Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal.				
2405100EUM	Hydrostorm Plus 100	19.7m ³ /hr	0.98kW	£699.60
2405150EUM	Hydrostorm Plus 150	24.96m ³ /hr	1.40kW	£756.90
2405200EUM	Hydrostorm Plus 200	26.56m ³ /hr	1.51kW	£807.80
2405250EUM	Hydrostorm Plus 250	30.72m ³ /hr	1.85kW	£858.60
2405300EUM	Hydrostorm Plus 300 (2½ connections)	34.32m ³ /hr	1.87kW	£947.70
Silicon carbide seal required for salt water installations, pricing available on request				

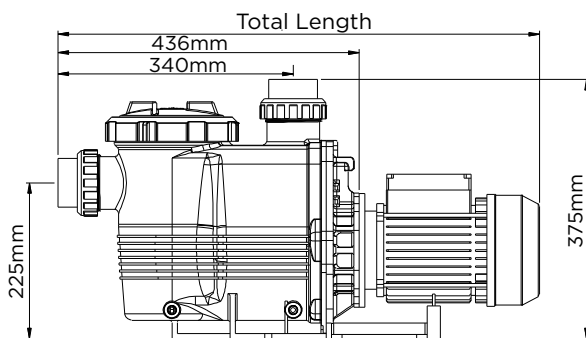
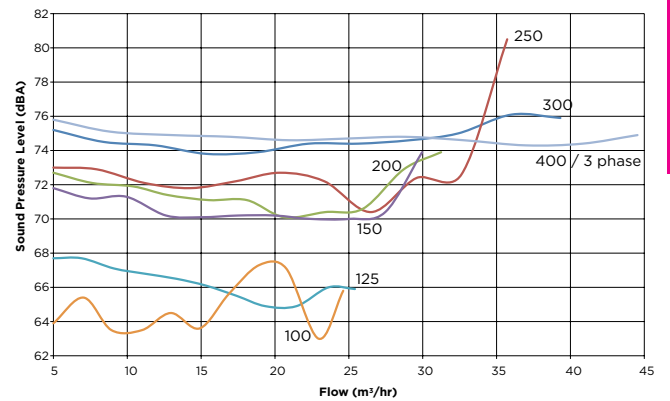
WATERCO HYDROSTORM PLUS PUMPS HIGH HEAD -Three Phase, S/S shaft

Part No.	Product Description	Q. Max	P. Max	Price
24051503E3EUM	Hydrostorm Plus 150 - 2" connections	24.96m ³ /hr	1.39kW	£756.90
24052003E3EUM	Hydrostorm Plus 200 - 2" connections	26.56m ³ /hr	1.46kW	£807.80
24052503E3EUM	Hydrostorm Plus 250 - 2" connections	30.72m ³ /hr	1.87kW	£858.60
24053003E3EUM	Hydrostorm Plus 300 - 2.5" connections	34.32m ³ /hr	2.08kW	£903.20
24054003E3EUM	Hydrostorm Plus 400 - 2.5" connections	39.54m ³ /hr	2.66kW	£1,097.00
Silicon carbide seal required for salt water installations, pricing available on request				

Flow Curve



Noise Level



Specifications

Model	HP	Pmax kW	Amps/Phase	Phase	Total Length (mm)	Motor Frame	Flow Rate Qmax.
2405100EUM	1.00	0.98	4.66	1	650	71	19.70m ³ /hr
2405150EUM	1.50	1.40	5.8	1	676	80	24.96m ³ /hr
24051503E3EUM	1.50	1.39	2.4	3	676	80	24.96m ³ /hr
2405200EUM	2.00	1.51	6.3	1	676	80	26.56m ³ /hr
24052003E3EUM	2.00	1.46	2.5	3	676	80	26.56m ³ /hr
2405250EUM	2.50	1.85	7.8	1	697	80	30.72m ³ /hr
24052503E3EUM	2.50	1.87	3.6	3	697	80	30.72m ³ /hr
2405300EUM	3.00	1.87	9.00	1	736	90	34.32m ³ /hr
24053003E3EUM	3.00	2.08	4.1	3	736	90	34.32m ³ /hr
24054003E3EUM	4.00	2.66	5.8	3	834	100	39.54m ³ /hr

Phase	Volts	Cycle	RPM
1	220 - 240	50	2860
3	380 - 415	50	2860

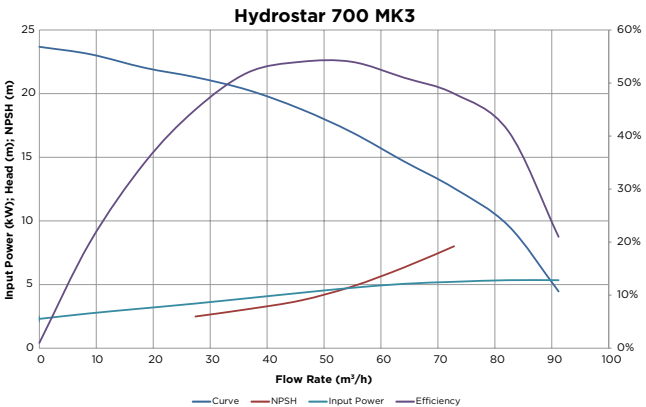
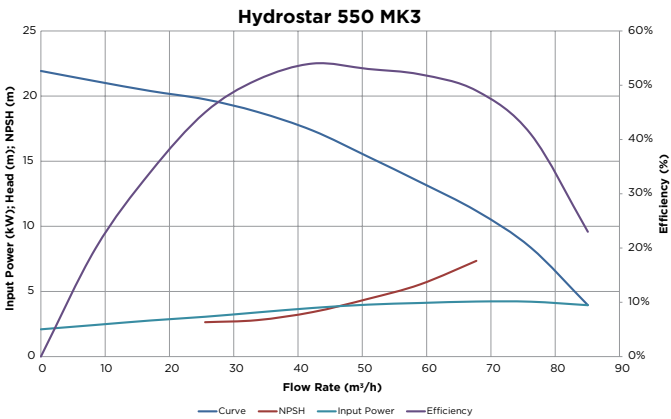
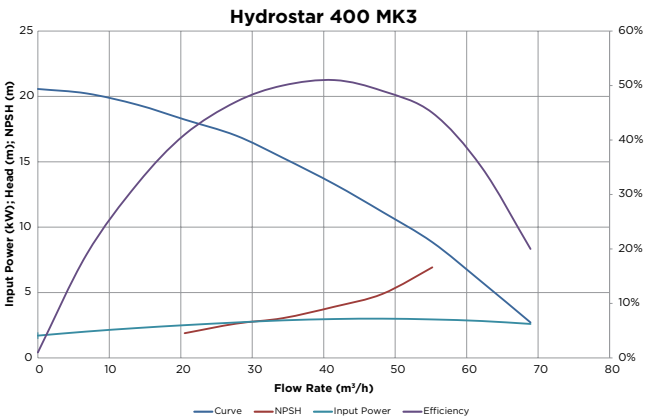
Commercial Pumps



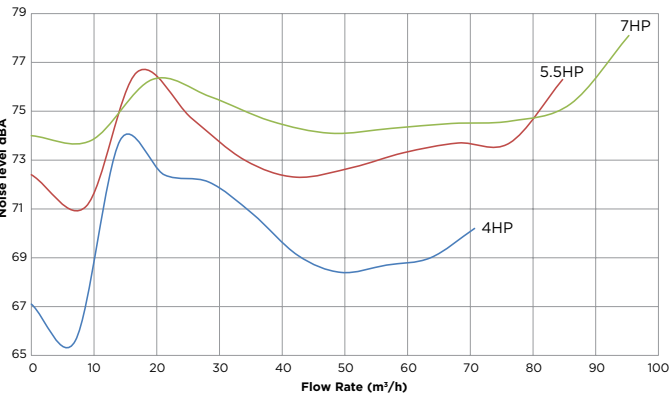
WATERCO HYDROSTAR MK3 PUMPS - HIGH HEAD

Part No.	Product Description	Q. Max	P. Max	Price
3" port supplied with 3" imperial & 90mm Metric quick connect unions				
240440033EUM	Hydrostar 400 MKIII	61.0m³/hr	2.92kW	£1,181.00
240455033EUM	Hydrostar 550 MKIII	68.0m³/hr	3.16kW	£1,405.20
240470033EUM	Hydrostar 700 MKIII	77.0m³/hr	5.18kW	£1,589.10
Silicon carbide seal required for salt water installations, pricing available on request				

Flow Curve



Noise Level

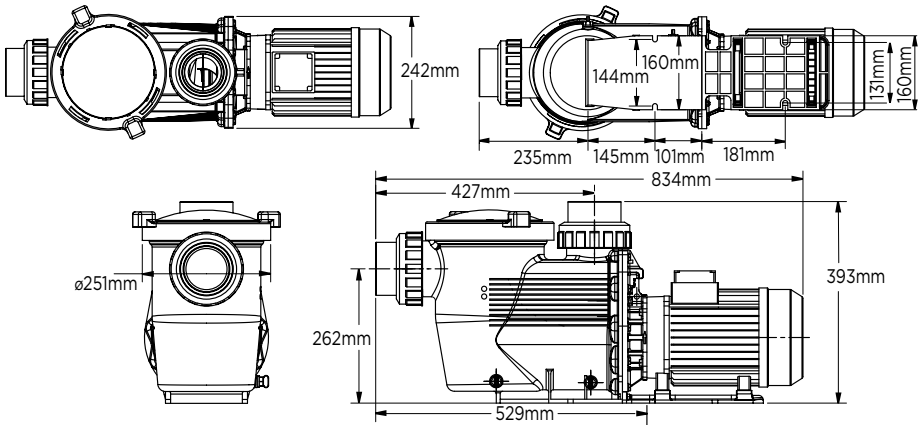


The Hydrostar MKIII has been designed with an internal volute. The volute's hydraulic design provides a natural balanced water flow and reduces hydraulic turbulence.

Specifications

Model	Nom. HP	kW	Hmax (m)	Pmax (kW)	Qmax (m³/hr)	Amps/Phase	Phase	Total Length (mm)	Motor Frame
240440033EUM	4.00	2.92	21	2.92	61	5.2	3	834	100
240455033EUM	5.50	3.16	21	3.16	68	5.8	3	834	100
240470033EUM	7.00	5.18	24	5.18	77	8.2	3	834	112

Phase	Volts	Cycle	RPM
3	380 - 420	50	2900



Commercial Pumps

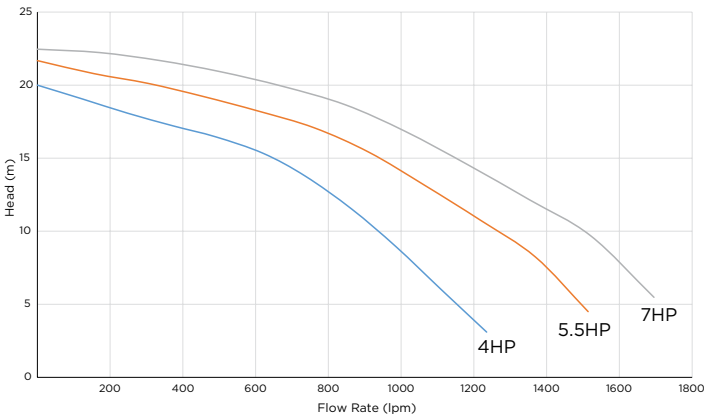


The Hydrostar MKIV has been designed to provide a substantially quieter operation with even higher flow rates and higher head than the previous Hydrostar models. Waterco has optimised the pump’s hydraulic efficiency by reshaping its internal profile.

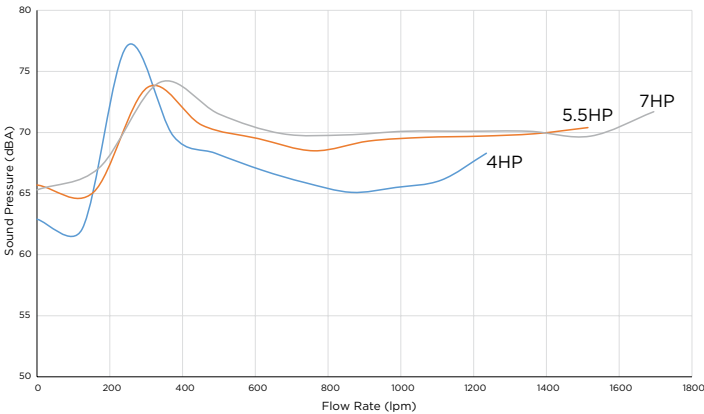
WATERCO HYDROSTAR MK4 PUMPS - HIGH HEAD

Part No.	Product Description	Q. Max	P. Max	Price
3" port supplied with 3" imperial & 90mm metric quick connect unions				
240440033E3	Hydrostar 400 MKIV	61.0m³/hr	2.92kW	£1,181.00
240455033E3	Hydrostar 550 MKIV	68.0m³/hr	3.16kW	£1,405.20
240470033E3	Hydrostar 700 MKIV	77.0m³/hr	5.18kW	£1,589.10
Silicon carbide seal required for salt water installations, pricing available on request				

Flow Curve



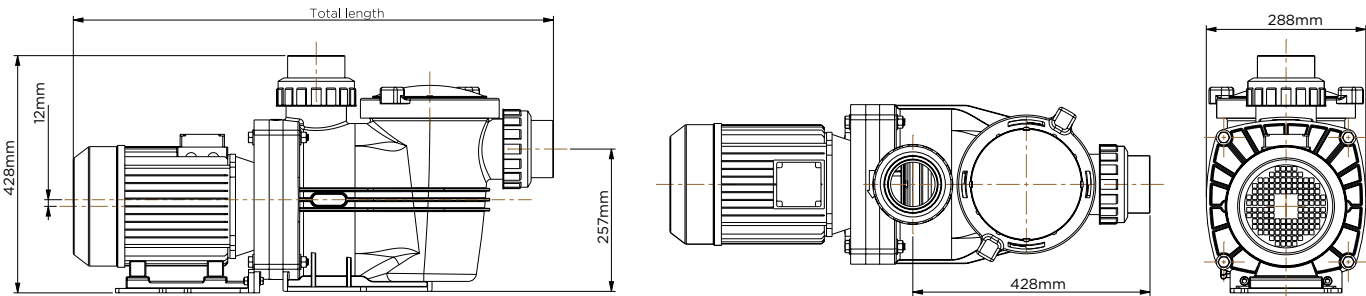
Noise Level



Specifications

Model	Nom. HP	kW	Hmax (m)	Pmax (kW)	Qmax (m³/hr)	Amps/Phase	Phase	Total Length (mm)	Motor Frame
240440033	4.00	2.92	21	2.92	61	5.2	3	834	100
240455033E3	5.50	3.16	21	3.16	68	5.8	3	834	100
240470033	7.00	5.18	24	5.18	77	8.2	3	834	112

Phase	Volts	Cycle	RPM
3	380 - 420	50	2900



Commercial Pumps

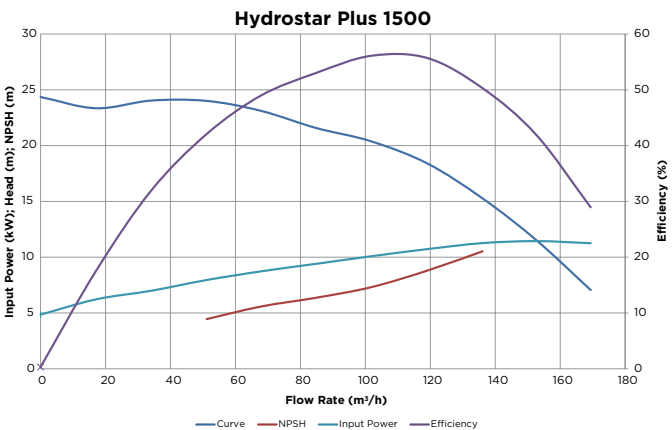
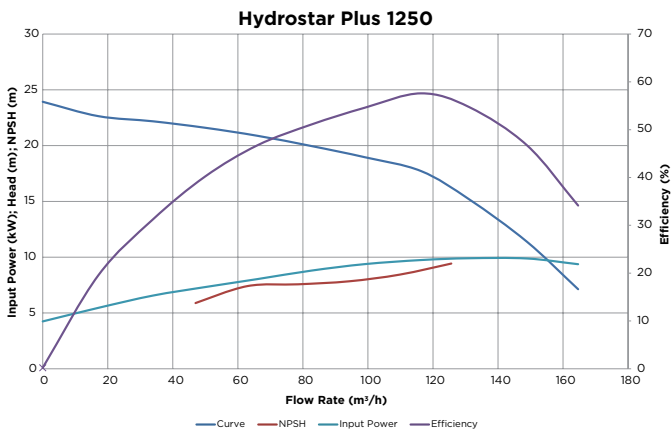
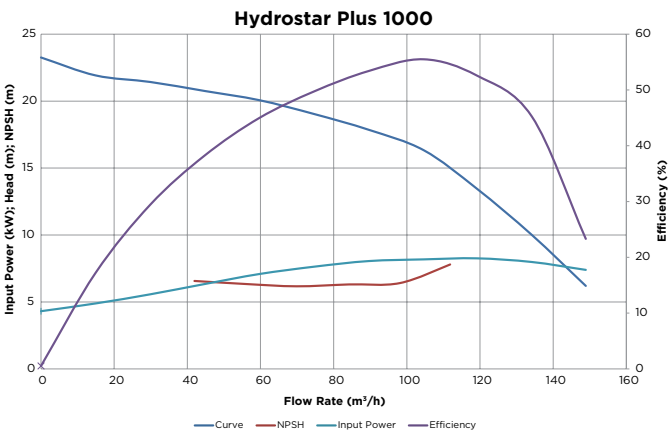
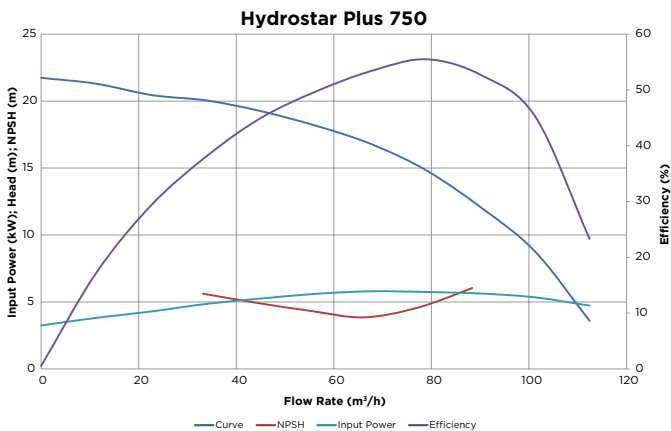


WATERCO HYDROSTAR PLUS - Three Phase 380v - 415v

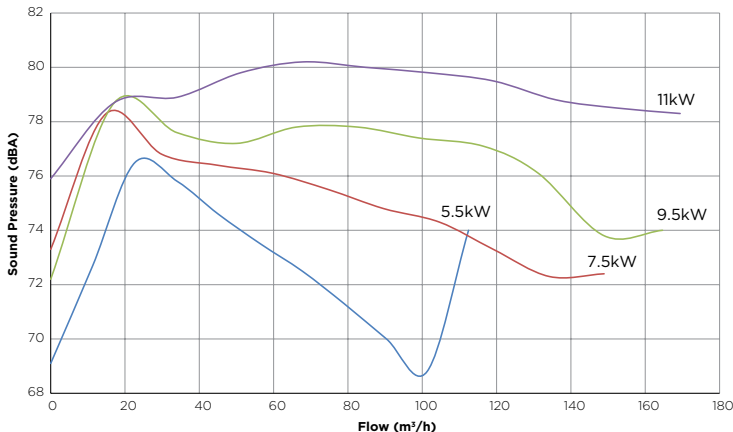
Part No.	Product Description	Q. Max	P. Max	Price
2460750	Hydrostar Plus 5.5kW / 7.5HP	122.40m ³ /hr	6.2kW	£2,582.10
2461000	Hydrostar Plus 7.5kW / 10HP	152.40m ³ /hr	8.5kW	£2,943.30
2461250	Hydrostar Plus 9.5kW/12.5HP	164.64m ³ /hr	9.9kW	£3,255.50
2461500	Hydrostar Plus 11kW / 15HP	164.64m ³ /hr	11kW	£3,533.30

Purpose built for aquatic facilities, water parks and large commercial swimming pools. Hydrostar Plus pumps are high performance corrosion resistant thermoplastic pumps.

Flow Curve



Noise Level

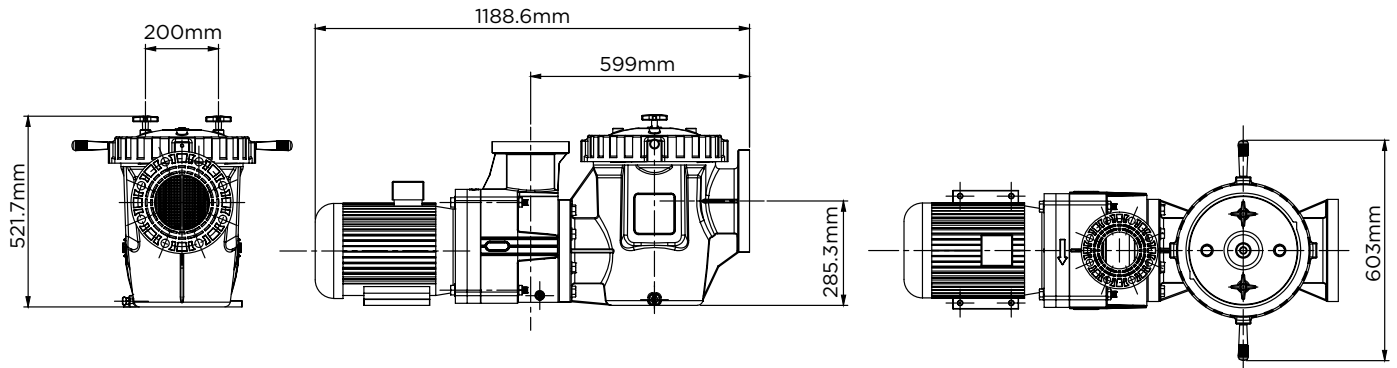


Commercial Pumps

Specifications

Model	Nom. HP	kW	Pmax (kW)	Qmax (m ³ /hr)	Amps/Phase	Total Length (mm)	Motor Frame
5.5kW / 7.5HP	8.3	6.2	8.5	122.40	10.15	1188	132
7.5kW / 10HP	11.4	8.5	6.2	152.40	14.35	1188	132
9.5kW / 12.5HP	14.0	10.5	9.9	164.64	17.6	1218	132
11kW / 15HP	15.0	11.4	11.44	164.40	20.3	1218	132

Phase	Volts	Cycle	RPM
3	380 - 415	50	2940



WATERCO HYDROSTAR PLUS WITHOUT STRAINER - Three Phase 380v - 415v

Part No.	Product Description	Q. Max	P. Max	Price
2460751	Hydrostar Plus 5.5kW / 7.5HP without strainer	122.40m ³ /hr	6.2kW	£2,323.90
2461001	Hydrostar Plus 7.5kW / 10HP without strainer	152.40m ³ /hr	8.5kW	£2,648.90
2461251	Hydrostar Plus 9.5kW/12.5HP without strainer	164.64m ³ /hr	9.9kW	£2,930.00
2461501	Hydrostar Plus 11kW / 15HP without strainer	164.64m ³ /hr	11.442kW	£3,144.80



WATERCO BH5000 FLANGE ASSEMBLY KITS

Part No.	Product Description	Nominal Size	Price
ZZGP600FK	6" Flange Assembly Kit	6"	£302.80
ZZGP400FKAS	4" Flange Assembly Kit ANSI	4"	£236.70
ZZGP160FK	160mm Flange Assembly Kit	160mm	£257.10
ZZGP110FKAS	110mm Flange Assembly Kit ANSI	110mm	£218.60

Note: Flange Assembly Kits Include:

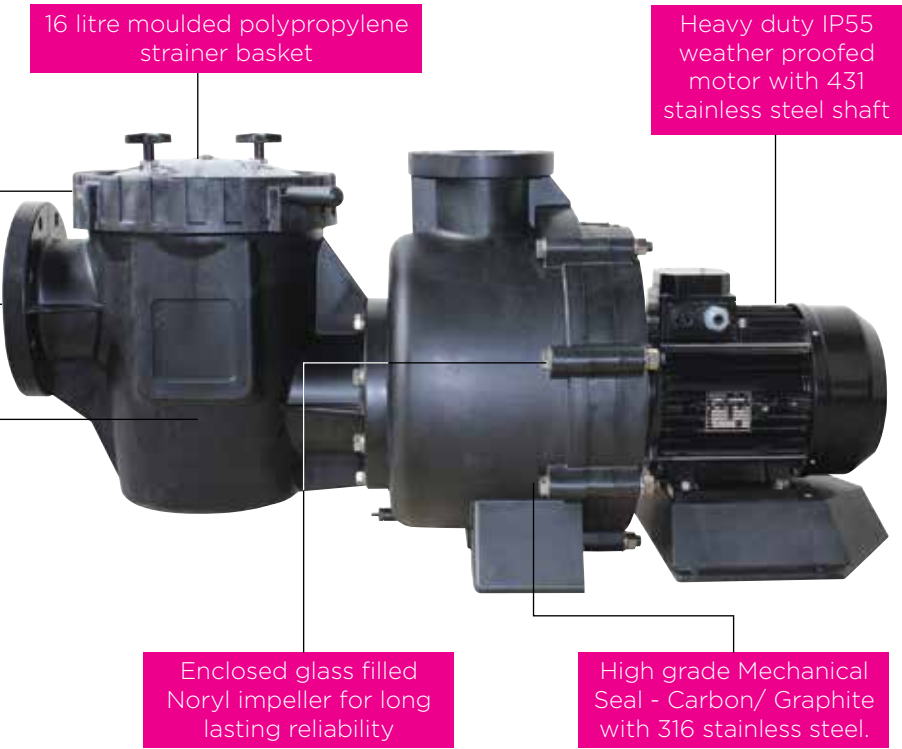
1 x Backing Ring, 1 x Stub Flange, 1 x Stub Gasket, 8 x bolts, 8 x Nuts and 16 x Washers

Commercial Pumps



WATERCO HYDROSTAR PLUS 1450 Rpm - Three Phase 380v - 415v

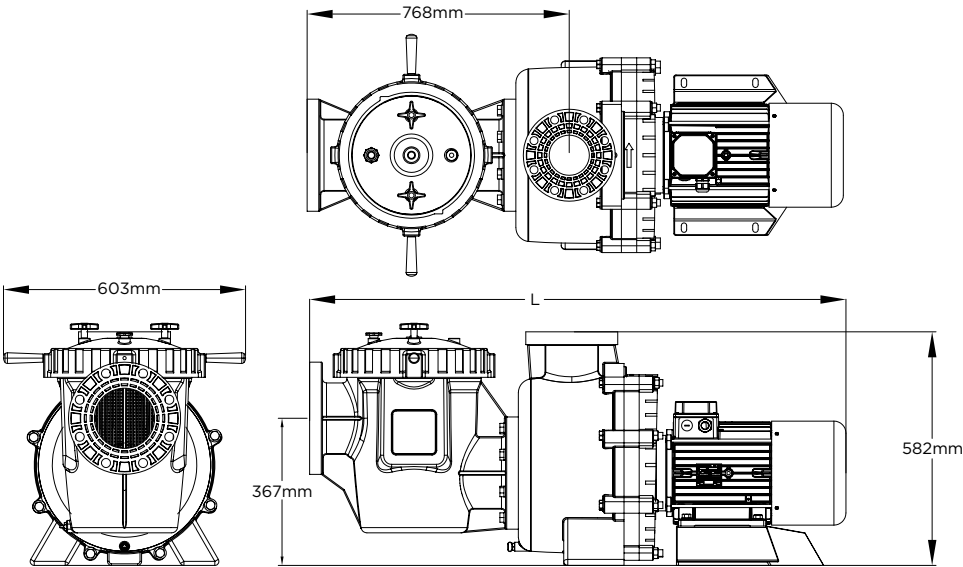
Part No.	Product Description	Q. Max	P. Max	Price
2470500	Hydrostar Plus 3.7 kW / 5.0HP	122.40m³/hr	6.2kW	£3,369.20
2470750	Hydrostar Plus 5.5kW / 7.5HP	152.40m³/hr	8.5kW	£3,385.50
2471000	Hydrostar Plus 7.5kW/10HP	164.64m³/hr	9.9kW	£3,785.70



The Hydrostar Plus 1450 Rpm has been designed for maximum energy efficiency and optimal performance whilst maintaining super quiet operation.

Curves available upon request.

Motor (kW)	Total Length (mm)
3.7	1231
5.5	1270
7.5	1336

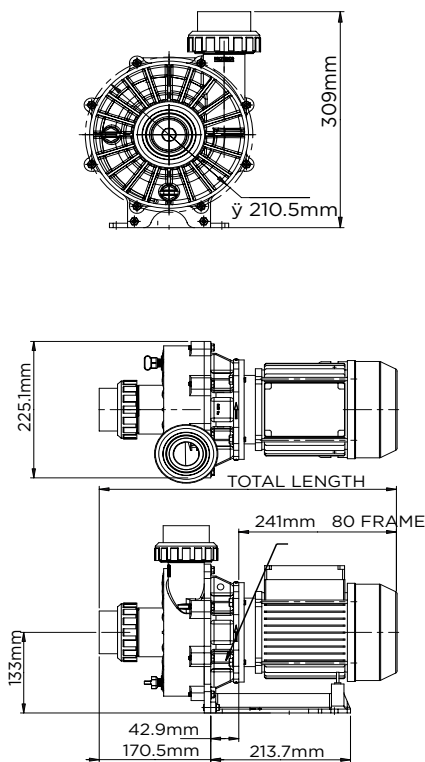


Commercial Pumps



TurboFlo is a hydraulically efficient, high performance pump designed for pools and spas with high power requirements. It has an adjustable wet end which can be configured to suit up to 5 different plumbing conditions.

Dimensions

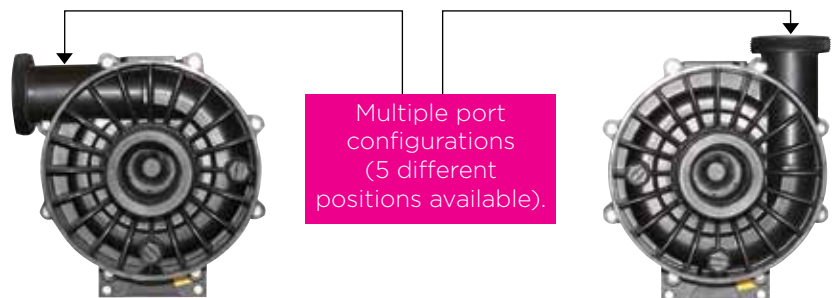


WATERCO TURBOFLO PUMPS - Single Phase 220v - 240v, Three phase 380v - 415v, S/S shaft, CE approved

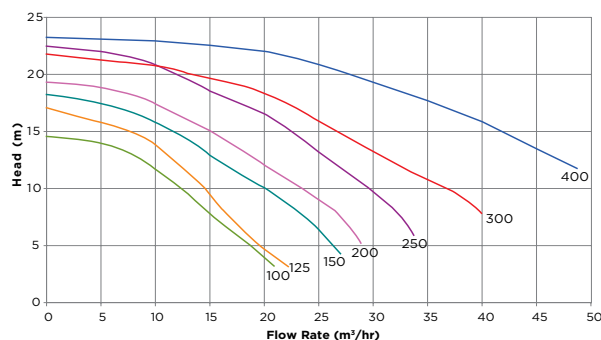
Part No.	Product Description	Q. Max	P. Max	Price
2" port supplied with 2" imperial and 63mm metric quick connect unions. Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal.				
2462100EUM	TurboFlo 100	21.36m ³ /hr	0.94kW	£591.50
2462125EUM	TurboFlo 125	22.44m ³ /hr	1.05kW	£610.60
2462150EUM	TurboFlo 150	27.06m ³ /hr	1.40kW	£648.80
2462200EUM	TurboFlo 200	29.04m ³ /hr	1.50kW	£693.30
2462250EUM	TurboFlo 250	33.30m ³ /hr	1.70kW	£737.80
2462300EUM	TurboFlo 300	40.02m ³ /hr	2.10kW	£826.80
2462400E3EUM	TurboFlo 400 (three phase)	45.36m ³ /hr	3.10kW	£996.20

Adjustable wet end

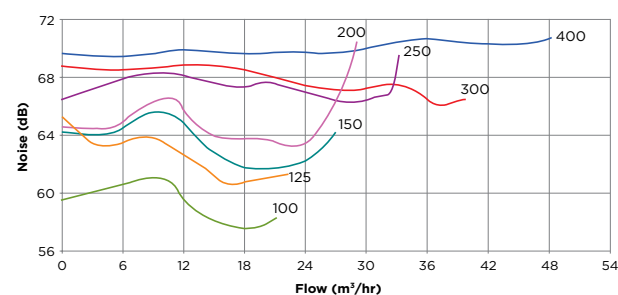
The outlet port of the TurboFlo can be configured to suit different plumbing conditions.



Flow Curves



Noise Curve



Specifications

Model	Nominal Power (hp)	Motor Input (kW)	Amps	Total Length (mm)	Motor Frame (mm)	Inlet/Outlet
TurboFlo 100	1.00	0.94	4.1	416	71	2"/63mm
TurboFlo 125	1.25	1.05	4.5	416	71	2"/63mm
TurboFlo 150	1.50	1.40	5.9	445	80	2"/63mm
TurboFlo 200	2.00	1.50	6.4	445	80	2"/63mm
TurboFlo 250	2.50	1.70	7.2	445	80	2"/63mm
TurboFlo 300	3.00	2.10	9.1	483	90	2"/63mm
TurboFlo 400	4.00	3.10	5.7	508	100	2"/63mm

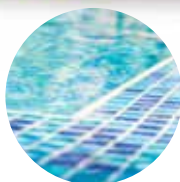


MULTI-PURPOSE MICROFIBRE BROOM

Introducing the first broom specially designed for fibreglass, tiled and vinyl lined pools.

Aqua Fingers® features a high-density microfibre attachment that makes cleaning smooth surface pools easier and quicker.

Simply click and clean for a sparkling pool.



WATERCO
water, the liquid of life
www.waterco.eu

Maintenance Equipment

Maintenance





Introducing the first broom specially designed for fibreglass, tiled and vinyl lined pools.

Aqua Fingers® features a high-density microfibre attachment that makes cleaning smooth surface pools easier and quicker.

Simply click and clean for a sparkling pool.

Ideal for pool covers



MULTI-PURPOSE MICROFIBRE BROOM

Part No.	Product Description	Price
313300	Aqua Fingers® complete	£32.90
31331	Aqua Fingers® microfibre cover spare	£22.10

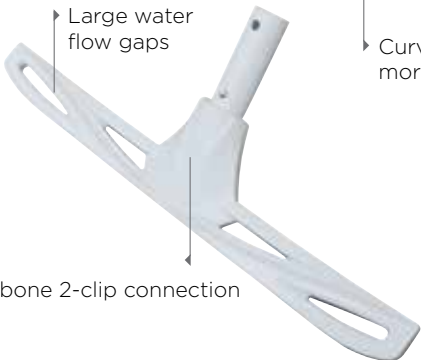
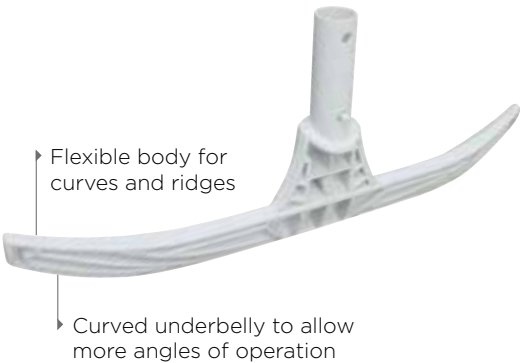
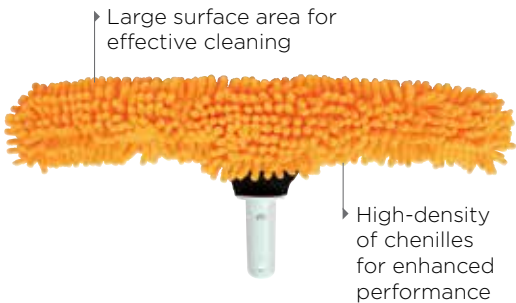


Patented Aqua Fingers® makes cleaning fibreglass, tiled and vinyl lined swimming pools easier and quicker as more surface area is covered by its high-density microfibre chenille attachment, flexible body and curved underbelly. This ensures no nooks or crannies are missed.

All it takes is a quick sweep to clean curved corners, ridges, crevices and steps on smooth pool surfaces

thanks to a flexible design that manoeuvres around tight spots and awkward areas.

- Premium microfibre chenille attachment is gentle on smooth surfaces
- Flexible head easily dislodges particles from tight areas
- Ideal for cleaning fibreglass, tiled and vinyl lined pools and ponds
- Suitable for cleaning pool covers and glass fences
- Replacement chenille attachment available



*please note: 2 year warranty applies to broom head only.

pro POOL CARE

POOL CARE TOOLS

Part No.	Product Description	Price
3130540	Brush Vacuum Head PRO Series	£28.50
313130	Flexible Vacuum Head PRO Series	£40.20
3132321	Leaf rake PRO Series	£26.50
313290	Pool broom PRO Series	£25.40
313080	Algae brush PRO Series	£14.20
3131521	Leaf Skimmer PRO Series	£17.90
31382	Telescopic handle 4' - 8' PRO series	£23.30
31387	Telescopic handle 8' - 16' PRO series	£30.30

All items supplied in 100% recycled & recyclable packaging



Flexible Vacuum Head PRO Series

Weighted for optimum hydraulic balance and manufactured from flexible ethylene-vinyl acetate (EVA) materials, this hard-wearing vacuum head makes it easier to clean curved corners, ridges, crevices and steps.

- Suitable for all pools



Algae Brush Head PRO Series

Sturdy nylon bristles break open the hard membranes of stubborn "Black Spot" algae, which needs to be broken for algaecides to work.

- Suitable for all hard pool surfaces
- Not recommended for vinyl, fiberglass or painted pool surfaces



Brush Vacuum Head PRO Series

Cleaning leaves and debris off the pool floor is easy with this streamlined design that manoeuvres freely, dislodging particles from tight areas and hard-to-reach places.

- Suitable for all pools



Maintenance Equipment



Leaf Rake Head PRO Series

Ideal for picking up dirt and debris from the surface and the floor of the pool. The rake's leading-edge lifts debris up and then the flicks it into the net.

- Suitable for all pools
- Can also be used to clean surface debris from water features and ponds



Pool Broom Head PRO Series

Designed for dislodging algae and dirt from pool walls, the broom's curved ends and long-life nylon bristles make it easier to clean pool curves and corners.

- Suitable for all pools



Pro Series Skimmer Head

Designed for dislodging algae and dirt from pool walls, the broom's curved ends and long-life nylon bristles make it easier to clean pool curves and corners.

- Suitable for all pools



Pool Water Recirculation

Recirculation



Pool Water Recirculation



Supaskimmer Widemouth



Supaskimmer

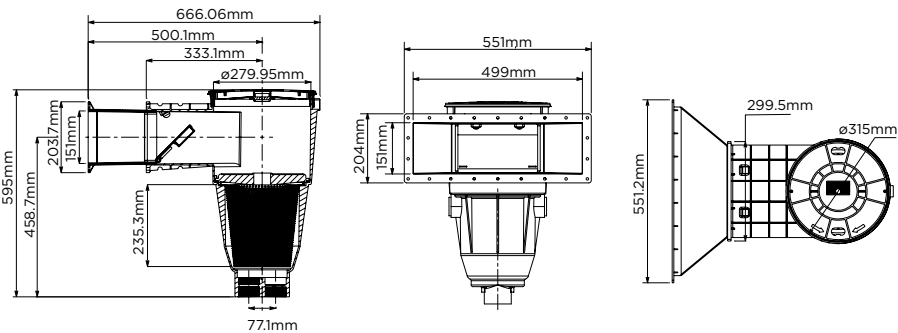
SUPASKIMMERS

Part No.	Product Description	Price
29201	Supaskimmer (Concrete)	£196.80
29205	Supaskimmer (Fibreglass with screw lugs)	£309.40
29210	Supaskimmer Widemouth (Concrete)	£260.40
292011	Commercial Supaskimmer (Glass reinforced lid)	£211.20

Specifications

Model	Max. Surface Area	Suction Pipe (inch)	Opening (mm)	Basket Capacity (litres)	Total Height (mm)	Total Depth (mm)	Unit Weight (kg)
Supaskimmer	75 m ²	2 x 2"	247x152	5.9	580	500	7
Supaskimmer Widemouth	75 m ²	2 x 2"	551x152	5.9	580	500	10

Supaskimmer Widemouth

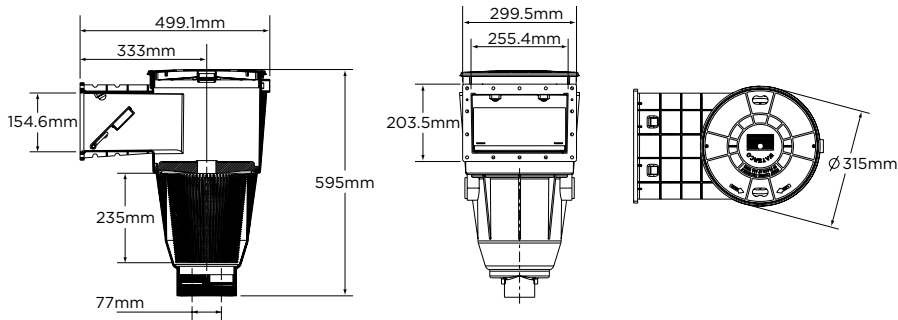


Supaskimmer

The Supaskimmer is a large capacity skimmer box which is ideal for use in large domestic, semi commercial and commercial swimming pools. Because of its large capacity 5.9 litre debris collection basket it is also ideal for any swimming pool that is constructed in leafy environments.

- Lock down leaf basket and vacuum plate - holds the leaf basket and vacuum plate firm.
- Large capacity basket - 5.9 litres, over double the size of conventional skimmers.
- 2 x 2" bottom suction ports - less water flow restrictions.
- 2 x 1 1/2" side ports - ideal for wall mount cleaners.
- New child resistant safety lid - prevents child accidents.
- Deeper body style - less chance of running pumping equipment dry.
- Built in overflow drain port to assist the prevention of flooding, during heavy rain.

Supaskimmer



WATERCO HYDROSTATIC VALVE

Part No.	Product Description	Price
29302	Main Drain Hydrostatic Valve	£12.90



Lights



Lights

Underwater Lights



BriteStream LED Niche Light is a flush-mounted light which protrudes only 11mm from the pool/spa wall.

Its energy efficient, super bright LEDs are capable of delivering 352 lumens of light* and operate on only 15 watts of energy.

- Energy saving - operates on 15% of the energy of a halogen pool light
- Long life - LED life span of over 70,000 hours
- Optional Stainless Steel Rim

* BriteStream White LEDs deliver 352 lumens of light.

WATERCO BRITESTREAM LED POOL NICHE LIGHT - (for concrete installations)

Part No.	Product Description	Cable Size	Price
264433	BriteStream LED Niche Light - white MK5, 26W	20m	£217.90
6501130	Stainless Steel Dress Ring (for niche mounted light only)	-	£34.40
264421	Wet niche assembly - black	-	£23.00

- Projects ONLY 11mm into the pool or spa
- Super bright LEDs capable of delivering 352 lumens (white LED)
- Polycarbonate construction
- Life span of over 70,000 hours
- 180° illumination
- Uniform diffusion of light
- Operates on only 15% of the electrical power of a halogen light



Specifications

Light Output	Zonal Distribution	Power Usage	Input Voltage	LED Life
352 lumens	0 to 180 degrees	15W	12V AC	70,000 hours

Easy Coiling

Extra space for easy coiling and storage of the light's power cord

Energy Saving

BriteStream LEDs operate on only 15 watts of energy, which is approximately 15% of the electrical power usage of a halogen light.

Triple seal connection

Three o-rings are in place to provide a triple seal eliminating the possibility of any leakages travelling up the power cord.

Extra Slim Protrusion

Protrudes only 11mm into the pool or spa.

Precision Built

BriteStream comprises of a precision built printed circuit board totally enclosed in a waterproof housing.

Super Bright

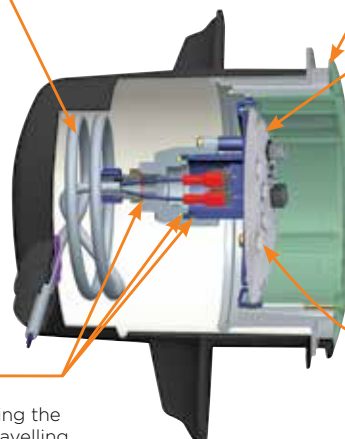
Super bright energy saving LEDs capable of delivering 352 lumens of light. [White LED light]

Long Life

BriteStream LED has a life span of over 70,000 hours, which is equivalent to over 30 years of illumination. (Based on 6 hours usage per day).

Built-in Heat Management

The LED heat output is automatically managed by its electronic circuitry.



Specifications

Zonal Distribution	Power Usage	Input Voltage	LED Life
0 to 180 degrees	15 W	12V AC	70,000 hours

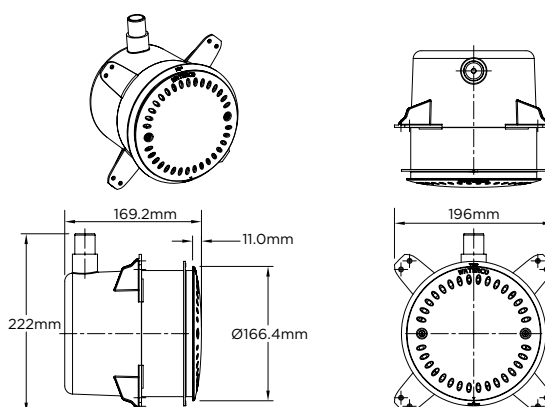


Optional Stainless Steel Rim

Warranty

BriteStream LED lights are covered by a comprehensive 2-year warranty.

Dimensions (mm)



WATERCO BRITESTREAM LED NICHE CONVERSION KITS - (for concrete installations)

Part No.	Product Description	Nom. Size	Price
6501102	Niche Mounting Ring Certikin Replacement	165mm	£22.30
6501103	Niche Mounting Ring Hayward Replacement	165mm	£22.30
650107	Niche Adaptor Ring Pentair Replacement	165mm	£35.90



Certikin



Hayward



Pentair

Waterco conversion kits allow the Britestream LED Niche Mounted light to be installed in either a Certikin, Hayward or Pentair Niche that is already installed in the pool wall.

Waterco Niche mounted LED replacement kits to be used in conjunction with Certikin, Hayward or Pentair Conversion Kits



BriteLux Diffuser Lens

Unlike traditional LED lights that restrict the light output to individual hot spots, BriteLUX Diffuser Lens radiates light throughout the entire circumference of the lens.

In fact, the BriteLUX Diffuser Lens significantly boosts colour saturation and increases light transmission by 50 percent.

Underwater Lights



Britestream LED Light utilises energy efficient super bright LEDs that are capable of delivering 352 lumens of light* and operate on only 15 watts of energy.

- Energy saving - operates on 15% of the electrical power of a halogen light
- Long life span of over 70,000 hours
- Universal light adaptor and easy-to-use retrofit connector

*Britestream White LEDs deliver 352 lumens of light.

WATERCO BRITESTREAM LED POOL LIGHTS - SURFACE MOUNTED FOR CONCRETE & FIBREGLASS

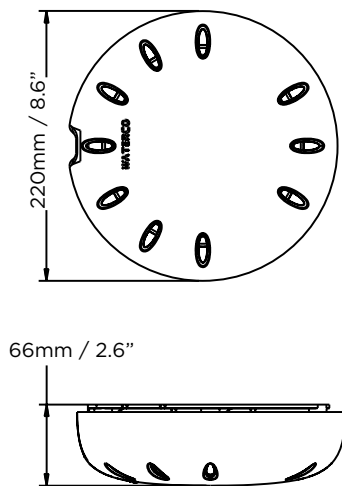
Part No.	Product Description	Cable Size	Price
264344	Britestream LED Light white MK5, 26W	20m	£240.80



- Super Bright**
Super bright energy saving LEDs capable of delivering 352 lumens of light. (White LED light)
- Long Life**
BriteStream LED has a life span of over 70,000 hours, which is equivalent to over 30 years of illumination. (Based on 6 hours usage per day).
- Built-in Heat Management**
The LED heat output is automatically managed by its electronic circuitry.
- Superior Construction**
BriteStream LEDs are totally enclosed in a waterproof Polycarbonate housing.
- Pool Cleaner Shield**
Improves the aesthetics of the installation and prevents the pool cleaner skirt from being trapped behind the light.

Lights

Dimensions



Specifications

Zonal Distribution	Power Usage	Input Voltage	LED Life
0 to 180 degrees	26 W	12V AC	70,000 hours



- Innovative Lens**
Its innovative polycarbonate lens cools the LEDs and provides a uniform diffusion of light.
- Slotted Rims**
Assists heat dissipation, as well as permitting water circulation.
- Energy Saving**
BriteStream LEDs operate on only 15 watts of energy, which is approximately 15% of the electrical power usage of a halogen light.

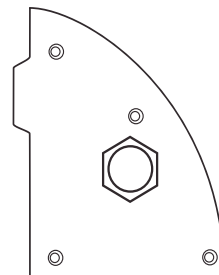
Underwater Lights

WATERCO UNDERWATER LIGHT CONVERSION KITS - SUITABLE FOR SURFACE MOUNTED LIGHTS

Part No.	Product Description	Price
26601	Fibreglass Conversion Kit	£25.50
266022	Wooden Pool conversion kit including dress ring	£31.40

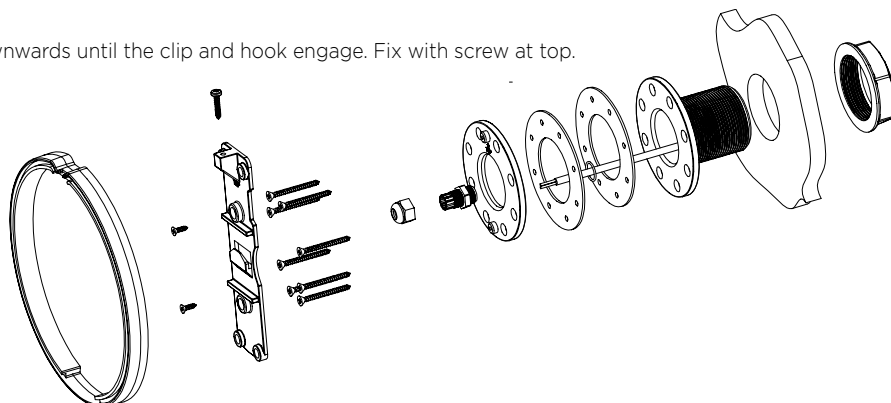
FIBREGLASS CONVERSION KIT - 26601

- Drill a 28mm hole in the pool wall at 550mm below top of coping. This is where the cable will pass through the wall.
- Cover the back of the Gland Plate with Silicone Sealant and insert the boss of the Gland Plate into the drilled hole.
- Drill 4 holes with a 1/8" drill using the gland plate holes as a drilling guide. Apply a small amount of Silicone Sealant on the screws and drive into predrilled holes.
- Screw wall bracket to the wall and seal screws.
- Wind cord loosely around back of light catching it in clips.
- Insert gland nut, rubber washer and then plastic seal ring onto the power cord and feed the power cord through the gland plate.
- Tighten gland nut onto gland plate.
- Fit light to Wall Bracket by sliding the light downwards until the clip and hook engage. Fix with screw at top.



VINYL LINER / WOODEN POOL CONVERSION KIT - 266020

- Drill a 32mm hole in the pool wall at 550mm below top of coping. This is where the cable will pass through the wall.
- Mark fixing holes for Gland Plate and Wall Brackets. Drill holes to suit screws supplied.
- After fitting liner, slit liner at 32mm hole position. Fit Gland Plate and Wall Bracket.
- Wind cord loosely around back of light catching it in clips.
- Insert gland nut, rubber washer and then plastic seal ring onto the power cord and feed the power cord through the gland plate.
- Tighten gland nut onto gland plate.
- Fit light to Wall Bracket by sliding the light downwards until the clip and hook engage. Fix with screw at top.



Lights



WATERCO POOL LIGHT TRANSFORMER

Part No.	Product Description	Nominal Size	Price
165-933-1-WC	Waterco pool light transformer	220-240V 50/60Hz	£289.40

* A maximum of three lights may be connected to the pool light transformer

Underwater Lights



WATERCO BRITESTREAM SLIM90 FIBREGLASS POOL LIGHTS

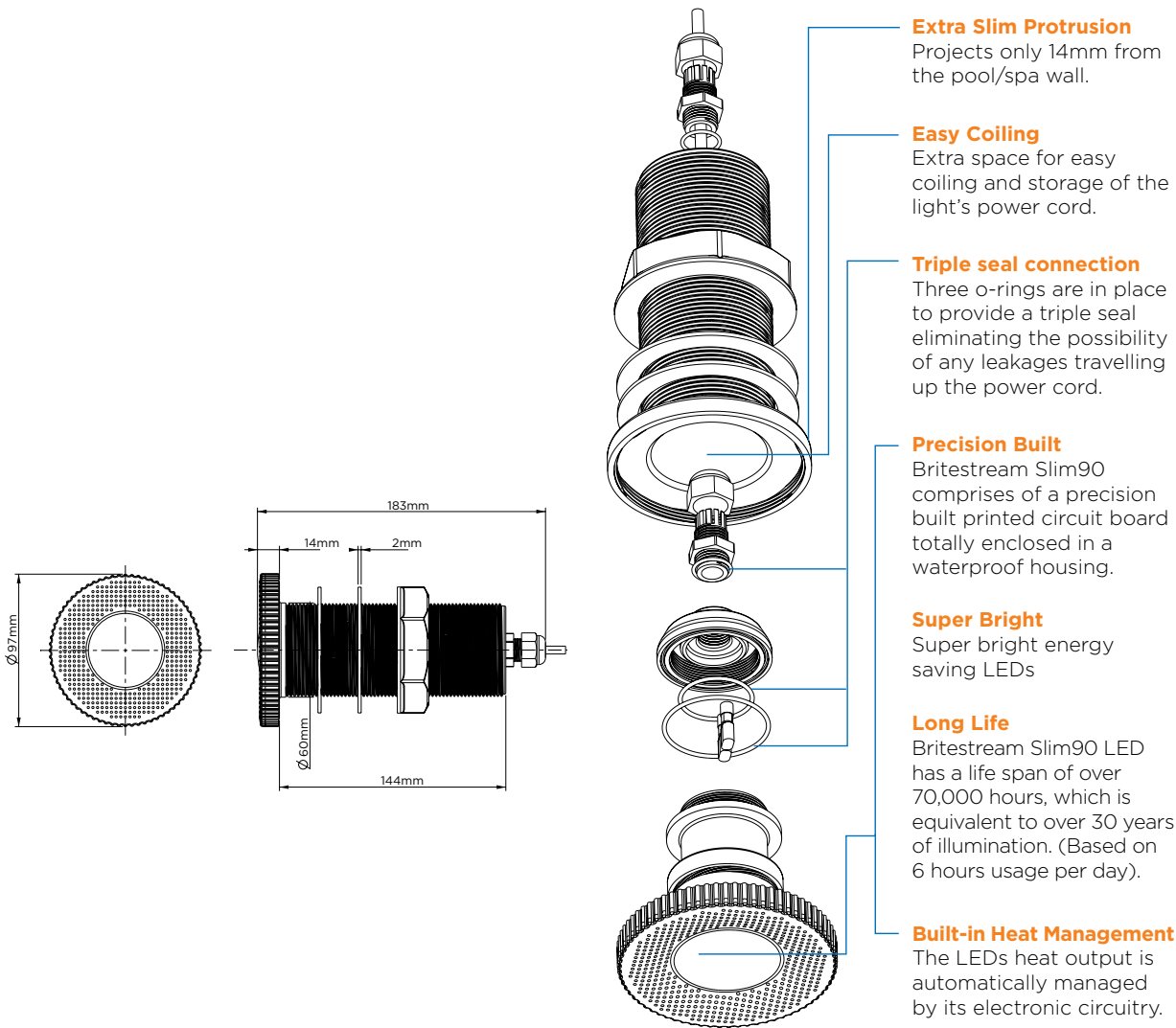
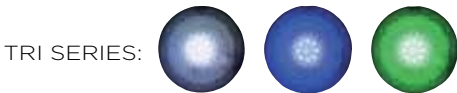
Part No.	Product Description	Cable Size	Price
264705	Britestream Slim90 Fibreglass multicoloured LED light 15W	20m	£255.70
264703	Britestream Slim90 Fibreglass Blue LED light 15W	20m	£154.80
264701	Britestream Slim90 Fibreglass White LED light 15W	20m	£154.80

BRITESTREAM SLIM90 FIBREGLASS LED POOL LIGHTS

The Britestream Slim90 Fibreglass Niche LED light has been specifically designed for easy installation into fibreglass pools & spas.

Britestream Slim90 Fibreglass Niche LED lights are great for those hard to light areas of a pool/spa or steps. Britestream Slim90 Fibreglass LED Light utilises energy efficient super bright LEDs and operates on only 15 watts of energy.

- Flush mounted with a minimal 14mm projection into pool.
- Super bright LEDs capable of delivering 128 lumens (White LED).
- Life span of over 70,000 hours.
- 180° Zonal illumination.
- Operates on only 15% of the electrical power of a halogen light models.



Underwater Lights



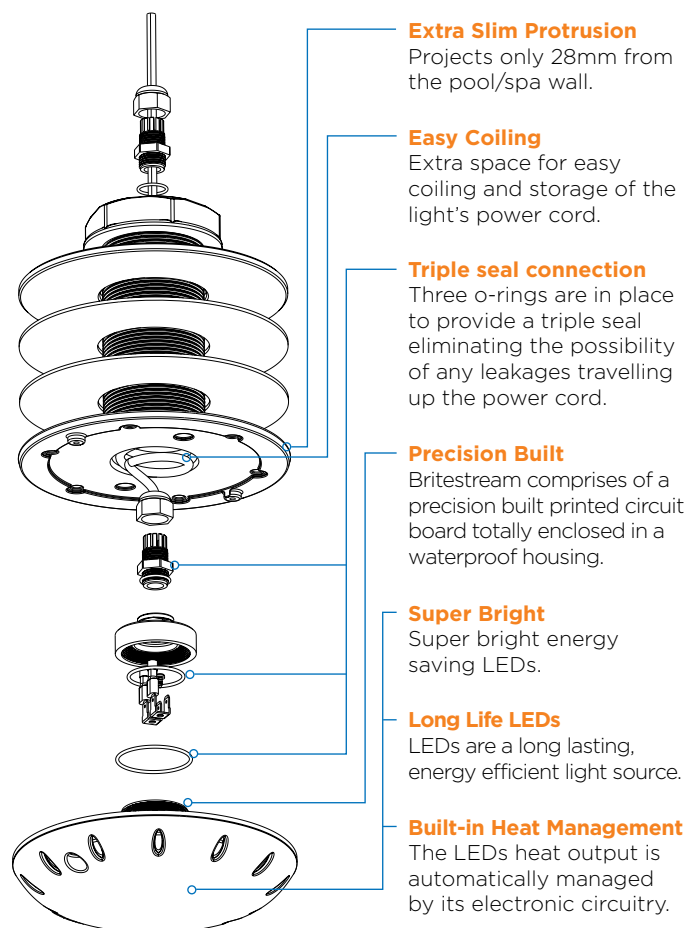
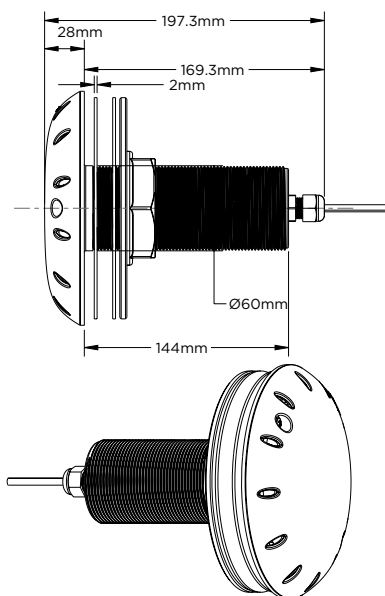
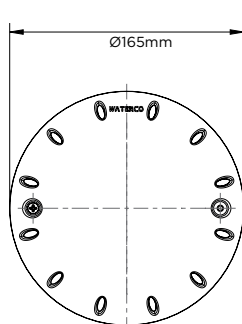
WATERCO BRITESTREAM SLIM165 FIBREGLASS LED POOL LIGHTS

Part No.	Product Description	Cable Size	Price
264624	Britestream 165F white MK5, 30W	20m	£225.90
264626	Britestream 165F multicoloured MK5, 15W	20m	£287.80
264625	Britestream 165F TRI MK5, 30W	20m	£275.20

The Britestream Slim165 Fibreglass Niche LED light has been specifically designed for easy installation into fibreglass pools & spas. Britestream Slim165 Fibreglass Niche LED lights are great for those hard to light areas of pool/spa or steps. Britestream Slim165 Fibreglass LED Light utilises energy efficient super bright LEDs and operates on only 15 watts of energy

- Flush mounted with a minimal 28mm projection into pool
- Super bright LEDs capable of delivering 352 lumens (White LED)
- Life span of over 70,000 hours
- 180° Zonal illumination
- Operates on only 15% of the electrical power of a halogen light models.

TRI SERIES:



Extra Slim Protrusion

Projects only 28mm from the pool/spa wall.

Easy Coiling

Extra space for easy coiling and storage of the light's power cord.

Triple seal connection

Three o-rings are in place to provide a triple seal eliminating the possibility of any leakages travelling up the power cord.

Precision Built

Britestream comprises of a precision built printed circuit board totally enclosed in a waterproof housing.

Super Bright

Super bright energy saving LEDs.

Long Life LEDs

LEDs are a long lasting, energy efficient light source.

Built-in Heat Management

The LEDs heat output is automatically managed by its electronic circuitry.

HYDROCHLOR MK3

Mineral chlorinator 



- Energy saving, intelligent, power pack
- Self-cleaning chlorinator cell
- In-built salt and flow protection
- Easy-to-use timer with battery backup
- One power pack suits all Hydrochlor cells



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Sanitisation



Sanitisation



HYDROCHLOR MK3 MINERAL CHLORINATOR

Part No.	Product Description	Nom. Size	Price
6450131	Hydrochlor MK3 Mineral Chlorinator power pack		£688.20
6449820	Hydrochlor MK3 Mineral Chlorinator Cell MK3 2000	20 Amps	£344.20
6449830	Hydrochlor MK3 Mineral Chlorinator Cell MK3 3000	30 Amps	£459.60

Hydrochlor MK3 Mineral Chlorinator
Waterco's energy efficient Hydrochlor Mineral Chlorinator chlorinates your pool, making it healthy, crystal clear, and ready to swim in year-round. In fact, a salt water chlorinated pool requires considerably less attention than a standard chlorinated pool.

Chlorination
The main function of the Hydrochlor Mineral Chlorinator is to produce chlorine to sanitise the pool water. Pool water, which contains dissolved pool salt, passes over Hydrochlor's chlorinator cell. This in turn splits the salt into its basic components, one being chlorine.



- Precision Chlorine Production
- Easy-to-use timer with back up battery
- Self Cleaning, Chlorinator Cell
- Energy saving, intelligent power pack
- Power pack suits all chlorinator cells

Hydrochlor Power Pack
The Hydrochlor Mineral Chlorinator includes an energy saving, intelligent power pack that makes it easy to keep your pool sanitised and healthy to swim.

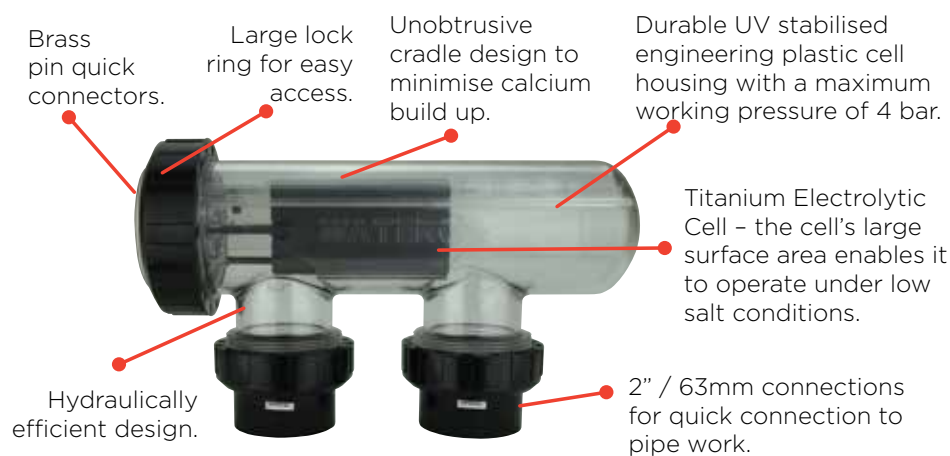


1. Weather-proof housing.
2. Easy-to-read timer with battery backup.
3. Chlorine production can be adjusted to reflect different seasonal requirements.
4. Pump protection / no water flow LED indicator.

Sanitisation

Maintenance

Hydrochlor's new self-cleaning chlorinator cell features a serial parallel design that enhances chlorine production, whilst requiring less energy.



Specifications

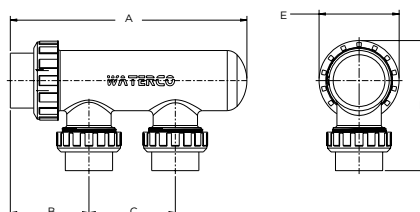
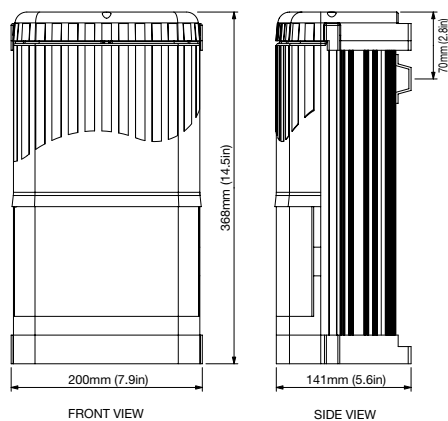
Model	Input Watt (W) max	Output current DC (A) max	Chlorine Production (g/hr)	Max Pool Capacity (L) Climate	
				Temperate	Tropical
Hydrochlor MK3 2000	105	5.4	20	60,000	48,000
Hydrochlor MK3 3000	130	6	30	100,000	72,000

- All units are equipped with a 3 amp self-resetting fuse.
- Pool capacity is based on a stabilised swimming pool with a minimum salt level of 5,000 ppm

	2000	3000
Primary Input (Volts) / Frequency (Hz)	220-240 / 50-60	220-240 / 50-60
Input Power (W)	105	130
Maximum Total Current (A)	10	10
Pump Outlet Maximum (A)	8	8
Cell Voltage (V)	21	21
Degree of Protection	IP23	IP23

SALT LEVELS		
Minimum = 4000ppm	Optimum = 6000ppm	Maximum = 6500ppm

HydroChlor Power Pack Dimensions



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
2000 / 3000	423.5	136.5	180	188.8	119.6

Electr Heat ECO-V



The ElectroHeat Ultra Eco-V Inverter heat pump has the flexibility to vary the speed of the fan motor and compressor to maintain a constant temperature allowing it to use less energy than conventional heat pumps.

The heat pump adjusts the output from 50% to 100% depending on heat demand, environmental factors thereby reducing energy consumption.



For pricing see page 92

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Heating



Heating



ELECTROHEAT ULTRA ECO V INVERTER HEAT PUMP

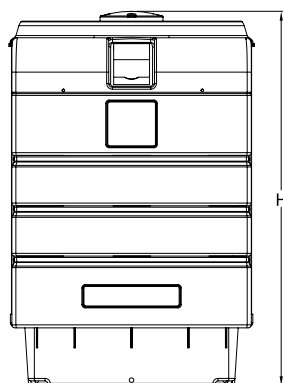
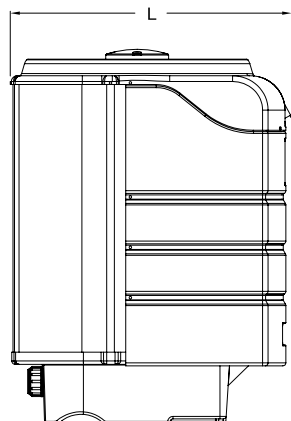
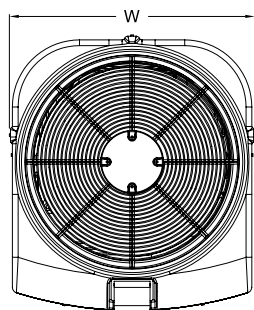
Part No.	Product Description	Nom. Size	Price
2781210EU	ElectroHeat Ultra Eco V Heat Pump 12kW	12kW	£4,332.80
2781710E17	ElectroHeat Ultra Eco V Heat Pump 17kW	17kW	£4,819.20
2782110E21	ElectroHeat Ultra Eco V Heat Pump 21kW	21kW	£4,852.30
2782310EU	ElectroHeat Ultra Eco V Heat Pump 25kW	25kW	£5,794.80

Specifications

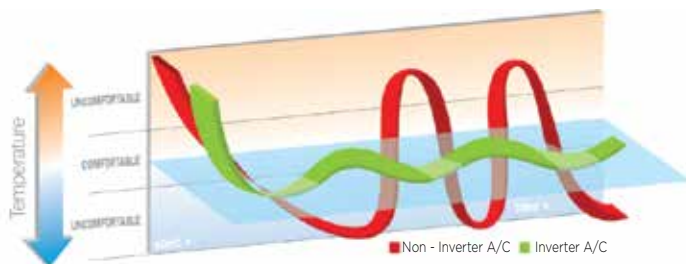
Model			12KW	17KW	21KW	25KW
Air 15°/Water 26°	Heating Capacity	kW	6.0 0 - 3.0	17.2 - 4.6	21.0 - 5.1	24.1 - 6.1
	Heating Input	kW	2.54 - 0.84	4.05 - 0.62	5.0 - 0.69	5.95 - 0.85
	Normal Current	A	11.0 - 3.6	17.6 - 2.70	21.7 - 3.0	27.2 - 3.95
	COP		7.9 - 4.4	4.25 - 7.45	4.20 - 7.4	4.05 - 7.2
Power Supply		V/Ph/Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz	230V/1Ph/50Hz
Setting Temp. Range		°C	10°C - 40°C	15°C - 40°C	15°C - 40°C	15°C - 40°C
Running Temp. Range		°C	0°C - 40°C	-10°C - 43°C	-10°C - 43°C	-10°C - 43°C
Water Heat Exchanger			Titanium PVC Tank	Titanium PVC Tank	Titanium PVC Tank	Titanium PVC Tank
Compressor			Inverter	Inverter	Inverter	Inverter
Compressor Quantity			1	1	1	1
Fan quantity			1	1	1	1
Water Inlet/Outlet Dimension			1.5"	1.5"	1.5"	1.5"
Hydraulic Connection		mm	PVC 50	PVC 50	PVC 50	PVC 50
Nominal Water Flow		m3/H	6.9	6.5	8	10
Sound Pressure Level at 1m		dB(A)	50 - 59	50 - 59	50 - 59	50 - 59
Sound Pressure Level at 10m		dB(A)	32 - 42	32 - 42	32 - 42	32 - 42
Unit Dimensions (L*W*H)		mm	636*714*973	800*900*1050	800*900*1050	800*900*1050
Net Weight		Kg	43	118	120	126
Refrigerant			R410A	R410A	R410A	R410A
Display			LCD	LCD	LCD	LCD
Mode			Heating/ Auto.	Heating/Cooling/ Auto.	Heating/Cooling/ Auto.	Heating/Cooling/ Auto.

The ElectroHeat Ultra Eco V Inverter heat pump has the flexibility to vary the speed of the fan motor and compressor to maintain a constant temperature allowing it to use less energy than conventional heat pumps.

The heat pump adjusts the output from 50% to 100% depending on heat demand and environmental factors, thereby reducing energy consumption.



***N.B. The 17kW, 21kW and 25kW versions are heat & cool models**



Non-Inverter System

It turns on and off completely to maintain temperature as the compressor runs at a fixed speed

Inverter System

It varied the output to maintain a constant temperature. At lower speed, it is quieter and more cost efficient



Electr Heat XL ECO-V

ELECTROHEAT XL ECO V INVERTER HEAT PUMP

Part No.	Product Description	Nom. Size	Price
2780510E05	ElectroHeat XL ECO-V 5kW Single Phase	5kW	£2,725.10
2780910E09	ElectroHeat XL ECO-V 9kW Single Phase	9kW	£3,137.80
2781211E12	ElectroHeat XL ECO-V 12kW Single Phase	12kW	£3,536.50
2781711E17	ElectroHeat XL ECO-V 17kW Single Phase	17kW	£4,376.10

Specifications

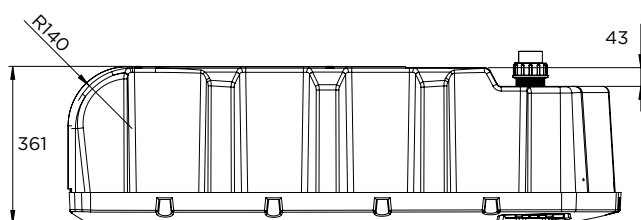
Model	5KW	9KW	12KW	17KW
Heating Capacity (A15/W26)	5.1 - 1.4KW	9.2 - 2.5KW	12.2 - 3.5KW	17.0 - 4.5KW
Heating Input (A15/W26)	1.00 - 0.18KW	1.86 - 0.32KW	2.28 - 0.46KW	3.62 - 0.61KW
Normal Current	4.38 - 0.8A	8.08 - 1.4A	9.85 - 2.0A	15.7 - 2.65A
COP	5.05 - 8.0	4.95 - 7.8	4.85 - 7.6	4.70 - 7.4
Working Temperature Range	-10 - 43°C			
Setting Temp. Range	15°C - 40°C			
Power Supply	AC-230V/1Ph/50Hz			
Max. Current	8A	10A	17A	20A
Gas	R32 (0.5kg)	R32 (0.6kg)	R32 (0.7kg)	R32 (1.0kg)
Compressor	Panasonic (Inverter)	Mitsubishi (Inverter)	Panasonic (Inverter)	Panasonic (Inverter)
Water Heat Exchanger	Titanium-in-PVC	Titanium-in-PVC	Titanium-in-PVC	Titanium-in-PVC
Water Flow Rate	4000L/H	5000L/H	6000L/H	6500L/H
Water Inlet/Outlet Connection	1.5Inch	1.5Inch	1.5Inch	1.5Inch
Noise (At 1 Meter)	50 - 59 dB (A)	50 - 59 dB (A)	50 - 59 dB (A)	50 - 59 dB (A)
Controller	Intelligent LED	Intelligent LED	Intelligent LED	Intelligent LED
Net Weight	50kg	53kg	59kg	67kg
Gross Weight	65kg	68kg	74kg	82kg
Net Size (L/W/H)	1269/370/697 mm			
Package Size (L/W/H)	1370/448/760mm			

The ElectroHeat XL Eco V Inverter heat pump has the flexibility to vary the speed of the fan motor and compressor to maintain a constant temperature allowing it to use less energy than conventional heat pumps.

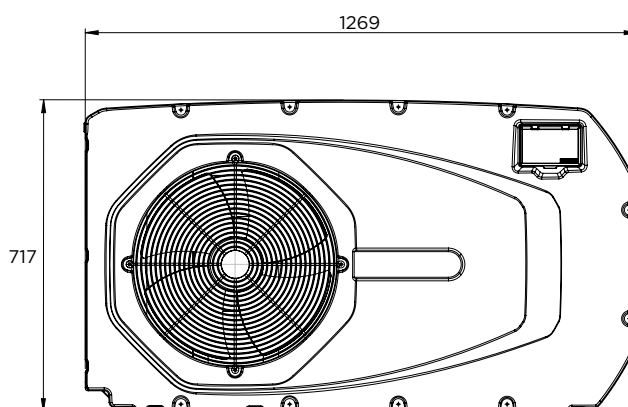
The heat pump adjusts the output from 50% to 100% depending on heat demand and environmental factors, thereby reducing energy consumption.

The fan is side mounted and the unit slim-line for ease of installation, and all units in this ranges are heat and cool models.

***N.B. All units in this range are heat and cool models**



TOP VIEW



FRONT VIEW

Heating



Electr Heat XL

ELECTROHEAT XL

Part No.	Product Description	Nom. Size	Price
278123EU	ElectroHeat XL 12kW Single Phase	12kW	£2,879.20
278152EU	ElectroHeat XL 15kW Single Phase	15kW	£3,267.00
2781911EU	ElectroHeat XLR 19kW Single Phase (Quick defrost cycle)	19kW	£4,230.60
2782311EU	ElectroHeat XLR 23kW Single Phase (Quick defrost cycle)	23kW	£4,688.90

Specifications

Models	278121EU - XL	278151EU - XL	2781911EU - XLR	2782311EU - XLR
Nominal Heating Capacity btu/h *	40,000 BTU	50,000 BTU	65,000 BTU	80,000 BTU
Power Output (kW)	11.74	13.52	18.54	21.82
Supply Voltage (VAC)	208 - 230	208 - 230	208 - 230	208 - 230
Supply Voltage Phase	1 phase	1 phase	1 phase	1 phase
Power consumption (kW)	1.93	2.10	2.99	3.00
Unit Running Amperage	9.1	9.3	15.28	21.20
Water Connections	1 1/2" / 50mm	1 1/2" / 50mm	1 1/2" / 50mm	1 1/2" / 50mm
Min / Max Breaker or Fuse (AMP)	20	20	30	40
Quick Defrost Cycle	-	-	Active	Active
Dimension	1170 x 685 x 320mm	1170 x 685 x 320mm	1170 x 685 x 320mm	1170 x 685 x 320mm
Weight (kg)	54	54	78	78

* The heating capacity depends on water and ambient temperature, as well as humidity level.

* Information for reference only, results may vary depending on the region, temperature and the use of a solar blanket

* Waterco Heat Pump performance metrics were obtained during laboratory testing conducted in Canada to the requirements of ASHRAE Standard 146-2011, and ANSI/AHRI Standard 1160: (I-P)-2009 in conditions of 26° Air/63% RH/ 26° Water.



SMART CONTROLS
for temperature management and self diagnosis



INBUILT SAFETY DEVICES for water flow, refrigerant level and compressor start-up delay



POWERFUL HEAT TRANSFER through the coiled heat exchanger maximising water contact



DUAL COIL TITANIUM Heat Exchanger is highly resistant to ozone, iodine, baquacil, salt and chlorinated water



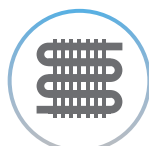
SCROLL COMPRESSOR for improved efficiency and high performance



WEATHERPROOF CABINET for outdoor installation



R410A REFRIGERANT, ozone friendly and maximises performance



LARGE EVAPORATOR AREA to extract more ambient heat



Warranty* - Residential
10 years - titanium heat exchanger
3 years - compressor
2 years - all other components

Warranty* - Commercial - 1 year

*Conditions apply

Heating



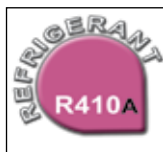
Electr Heat Plus

TITANIUM MKIII

WATERCO HEAT PUMPS - All ElectroHeat Plus MKIII heat pumps come complete with a commercial grade Titanium heat exchanger and digital display as standard. All 3-phase heat pumps are supplied with a 3-phase indicator and protector.

ELECTROHEAT PLUS

Part No.	Product Description	Nom. Size	Price
EPX031T353-G	ElectroHeat Plus MKIII 31kW Three Phase - Digital	31kW	£7,428.30
EPX037T353-G	ElectroHeat Plus MKIII 37kW Three Phase - Digital	37kW	£8,401.20
EPX044T353-G	ElectroHeat Plus MKIII 44kW Three Phase - Digital	44kW	£9,683.10



Double Coil Titanium Heat Exchanger

With much greater surface area and longer contact time, this Waterco innovation allows higher heat transfer, thus delivering some of the highest efficiencies in its class.

A Titanium Heat Exchanger offers total protection against erosion and corrosion. Titanium metal's corrosion resistance is due to a stable, protective, strongly adherent oxide film. This film forms instantly when a fresh surface is exposed to air or moisture.

Titanium is resistant to: chlorinated water, ozone, iodine, Baquacil, bromine and salt water.

Specifications

Model	31	37	44
Nominal Heating Capacity (BTU/h)*	105,000	125,000	150,000
Power Output (kW)	31	37	44
Power Supply (Volt)	220 - 240	380 - 415	380 - 415
Supply Voltage Phase	1 Phase	3 Phase	3 Phase
Power Consumption (kW/h)	5.9	5.8	6.0
Unit Running Amperage (Amp)	28.0	9.9	11.8
Fan Full Load Amperage (FLA)	1.45	1.45	1.45
Min-Max Breaker or Fuse	40 - 50	25	25
Noise level @ 3m in dB	60	61	61
Min-Max Air Temperature (C)	11 - 40	11 - 40	11 - 40
Weight (kg)	107	149	152

* The heating capacity depends on water and ambient temperature, as well as humidity level.

* Waterco Heat Pump performance metrics were obtained during laboratory testing conducted in Canada to the requirements of ASHRAE Standard 146-2011, and ANSI/AHRI Standard 1160: (I-P)-2009 in conditions of 26° Air/63% RH/ 26° Water.

Water Flow & Plumbing Characteristics	
Water Bypass Type	Ext. Field Install
Min./Max. Water Flow Rate	6.7 - 18 m ³ /h
Min./Max. Water Inlet Temperature	18° - 40°
Plumbing Connection Size	1 1/2" / 50mm - PVC

Dimensions

Model	A	B	C
ElectroHeat Plus MK III 31kW, 37kW & 44kW	890 mm	880 mm	1120 mm



Clearance





ECO POND PUMP FROM WATERCO

The Eco Pond pump is a hydraulically efficient, high performance external pond pump from Waterco, adding to their already industry renowned pump range for the koi industry.

The Eco Pond pump is designed specifically for Koi installations that require a quiet, efficient, low-power pump. They are equipped with marine grade mechanical seal and manufactured for maximum reliability, efficiency and performance.

It has an adjustable wet end which can be configured to suit up to 5 different plumbing conditions, and for added peace of mind it is also backed by Waterco's 3-year guarantee.



BENEFITS OF THE ECO PUMP:

- 50mm/1.5" quick connect barrel unions for UPVC pipe.
- Single piece glass-filled thermoplastic molded pump body.
- Efficient impeller and diffuser design.
- High performance motor: IP55 rating, motor shaft 431 grade stainless steel, fan cooled, thermal overload protection.
- Suitable for both new and existing installations.
- Stable support base.
- Marine grade mechanical seal.
- Super quiet operation.
- Adjustable wet end for easy connection.
- Specifically designed for the koi industry.
- 3-year product warranty.

for more information & pricing please see p.98

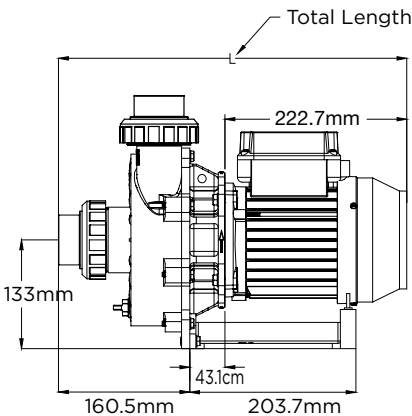
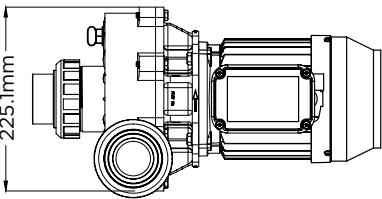
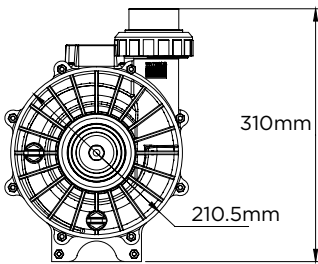
Aquaculture



Aquaculture



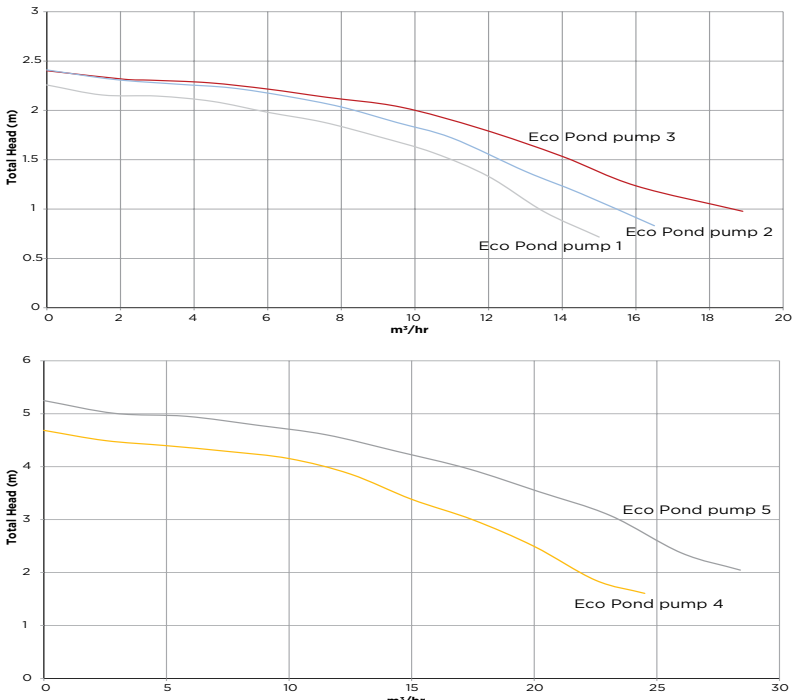
Waterco's ECO Pond Pump is a hydraulically efficient, high performance external pond pump. The quiet operating pump is manufactured for maximum reliability, efficiency and performance. Featuring an adjustable wet end, 2" inlet and outlet, low energy consumption motor, drain down plugs and 2m power cable.



WATERCO ECO Pond PUMPS 1350 Rpm - Single Phase 220v - 240v, CE approved

Part No.	Product Description	Q. Max	P. Max	Price
2" port supplied with 2" and 63mm quick connect unions. Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal.				
2462100ECO	Waterco Eco Pond pump 1, 1ph. 1350 Rpm	9m ³ /hr	0.09kW	£558.60
2462125ECO	Waterco Eco Pond pump 2, 1ph. 1350 Rpm	10m ³ /hr	0.101kW	£616.40
2462150ECO	Waterco Eco Pond pump 3, 1ph. 1350 Rpm	12m ³ /hr	0.10kW	£621.10
2462200ECO	Waterco Eco Pond pump 4, 1ph. 1350 Rpm	17m ³ /hr	0.21kW	£714.40
2462250ECO	Waterco Eco Pond pump 5, 1ph. 1350 Rpm	21m ³ /hr	0.25kW	£738.00

Flow Chart



Specification

Model	Max Flow m ³ /hr	Max Flow (Gallons Per Hour)	Max Head	Min Watts	Max Watts	IP Rating	Voltage	Inlet/Outlet
Waterco Eco Pond pump 1	9	2045	2.26m	87	96.1	IPX5	220-240V	2"/63mm
Waterco Eco Pond pump 2	10	2244	2.41m	89	100.9	IPX5	220-240V	2"/63mm
Waterco Eco Pond pump 3	12	2574	2.40m	88	104.5	IPX5	220-240V	2"/63mm
Waterco Eco Pond pump 4	17	3717	4.69m	193	211.3	IPX5	220-240V	2"/63mm
Waterco Eco Pond pump 5	21	4619	5.25m	201	250.5	IPX5	220-240V	2"/63mm

Dimensions

Model	Total Length	Body Length	Width	Height
Waterco Eco Pond pump 1	426mm	365mm	225mm	310mm
Waterco Eco Pond pump 2	426mm	365mm	225mm	310mm
Waterco Eco Pond pump 3	426mm	365mm	225mm	310mm
Waterco Eco Pond pump 4	426mm	365mm	225mm	310mm
Waterco Eco Pond pump 5	426mm	365mm	225mm	310mm

Aquaculture



Effective

Excellent Nitrification and Mechanical filtration.

Efficient

Hydraulically efficient filter design, balanced slotted laterals to maximize water flow and filtration.

Durable

Corrosion resistant and UV stabilised for outdoor installation.

Air-Backwash

Air assisted hydraulic backwash, saving time and water.

Superior Quality

Aquabiome fibreglass filters embody the latest in fibreglass winding technology.



4mm - 5mm
Biofilter Media

AQUABIOME SKIDS

Part No.	Product Description	Price
220008165	Aquabiome SM400	£1,534.70
220008205	Aquabiome SM500	£1,593.40
220008245	Aquabiome SM600	£1,799.00
220008305	Aquabiome SM750	£2,530.60
220008365	Aquabiome SM900	£2,985.90

Specifications

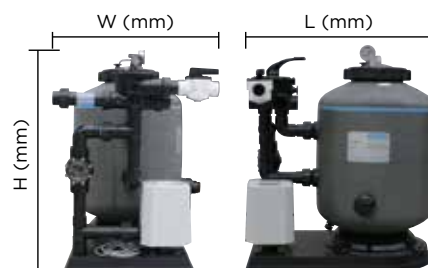
Aquabiome	ASM400	ASM500	ASM600	ASM750	ASM900
Nominal Diameter mm / inch	400 / 16	500 / 20	600 / 24	750 / 30	900 / 35
Filter Surface Area m ² / ft ²	0.13 / 1.4	0.2 / 2.1	0.3 / 3.2	0.44 / 4.9	0.64 / 7.15
Media Volume litres	43	68	117	199	303
Media Weight kg	21.5	34	58.5	99.5	151.5
Biofilter Surface Area m ² / ft ²	47.3 / 509	74.8 / 805	128.7 / 1385	218.9 / 2356	333.3 / 3588
Inlet / Outlet Connections	50mm / 1.5"	50mm / 1.5"	50mm / 1.5"	63mm / 2"	63mm / 2"
Min - Max Flow Rate					
lpm	52 - 101	80 - 157	120 - 226	180 - 353	255 - 509
m ³ /hr	3.1 - 6.1	4.8 - 9.4	7.2 - 13.5	10.8 - 21.2	15.3 - 30.5
gpm (US gallon per min)	13.7 - 26.7	21.1 - 41.5	31.7 - 59.7	47.6 - 93.3	67.4 - 134.5
Max Pond Size litres	13,000	20,000	36,000	60,000	90,000
Feed Rate kg	0.32	0.5	0.9	1.5	2.4
Total Ornamental Fish weight* kg	10.7	16.7	30	50	80
Total Aquaculture Fish weight* kg	32	50	90	150	240
Tank Diameter mm / inch	421 / 16.5"	520 / 20.5"	622 / 24.5"	772 / 30.4"	923 / 36.3"
Overall Height mm / inch	856 / 33.7"	815 / 32.1"	880 / 34.6"	993 / 39.1"	1115 / 43.9"
Valve Size mm / inch	40 / 1½"	40 / 1½"	40 / 1½"	50 / 2"	50 / 2"
Bed Depth mm / inch	290 / 11.4"	290 / 11.4"	360 / 14.2"	400 / 15.7"	440 / 17.3"

* Maximum fish stocking weight depends on the percentage of body weight fed daily.

- Ornamental fish weight based on feeding rate of 3% of body weight.
- Aquaculture fish weight based on feeding rate of 1% of body weight.

Dimensions (mm)

Aquabiome	L (mm)	W (mm)	H (mm)
SM400	815	650	886
SM500	815	650	875
SM600	1040	650	925
SM750	1325	830	985
SM900	1328	930	1110



AQUABIOME MEDIA

Part No.	Product Description	Nominal Size	Price
3532520	Aquabiome media (20kg bag)	20 per kg	£165.30



Pond Professional Bead Filter - Combined Mechanical and biological Filtration

Part No.	Product Description	Nom. Size	Price
2200082048	E500 Exotuf Pond Professional bead filter	20" (500mm)	£934.00
220008248	E600 Exotuf Pond Professional bead filter	24" (600mm)	£1,081.30
220008280	E702 Exotuf Pond Professional bead filter	28" (702mm)	£1,495.80

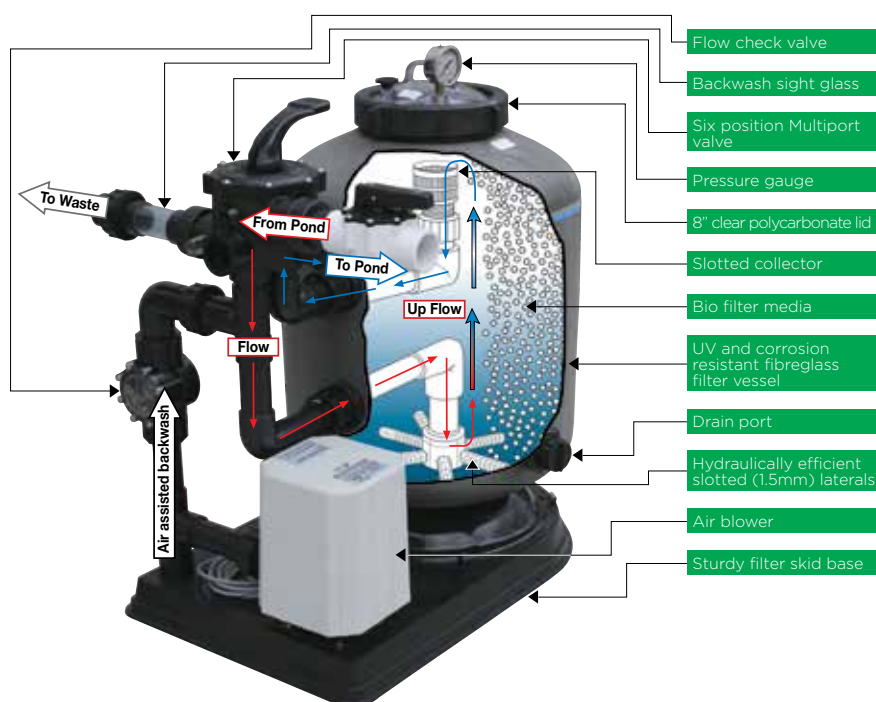
Specification

Filter Diameter size mm	Filter Surface area m ²	Media volume kgs	Minimum-Maximum flow rate m ³ /hr	Pond size m ³	Pond size gallons
20" / 500mm	0.2	37.5	5-10	20.0	4400
24" / 600mm	0.3	60	7-16	36.0	7920
28" / 702mm	0.38	92.5	14-24	60.0	13200

The Exotuf Pond Professional Bead Filter is specially engineered for the Koi enthusiast with ponds up to 13,200 gallons in size.

A pre-plumbed unit which is compact in design, making the Exotuf Pond Professional an ideal choice for the Koi hobbyist.

Bio-Mechanical Filtration



Mechanical filtration

Mechanical filtration physically removes solids from the pond by trapping solids between the crevices of the filter media.

Biological filtration

Biological filtration is the most effective method of removing toxins (ammonia) and breaking it down into nitrites, and then into nitrates which provide food to your aquatic plants (referred to as the Nitrogen Cycle). This is accomplished by using naturally occurring bacteria and giving it a place to live in the Biofilter media where it is exposed to large quantities of food and oxygen.

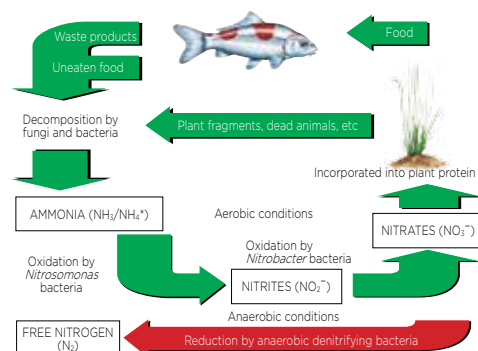


4mm - 5mm Biofilter media

Nitrogen Cycle

The cycle begins when fish eat and then excrete ammonia. Bacteria in the biological filter eats the ammonia and excretes nitrite. Nitrite is also toxic to fish and needs to be removed.

Another type of bacteria in the filter eats nitrite and excretes nitrate. Nitrate is non-toxic to fish in small quantities and is used by plants as fertilizer. The entire cycle then repeats itself upon completion.



1. Water enters the Multiport valve and is diverted to the lower filter.
2. The inflowing water is then evenly dispersed through slotted laterals within the lower section of the filter.
3. As the water flows upwards through the Biofilter media, the contaminated water is subjected to mechanical and biological filtration.



MULTI CYCLONE

CENTRIFUGAL WATER FILTRATION

WATERCO MULTICYCLONE FILTER

Part No.	Product Description	Nom. Size	Price
200374	MultiCyclone MC12	1 1/2" / 50mm	
200375	MultiCyclone MC16	2" / 63mm	
200372	MultiCyclone Base MKII (optional)		
2003730	MultiCyclone over-pump stand (optional)		

NB: For pricing please see: filters page 18



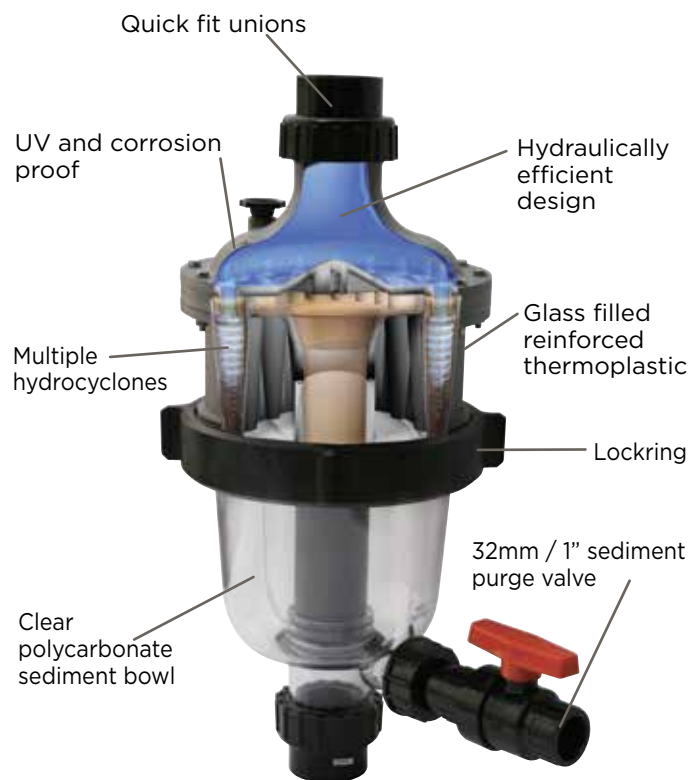
Incoming water enters hydrocyclones tangentially, generating a strong centrifugal effect. The sediment is spun out to the hydrocyclone's wall, and then spirals down to the sediment chamber. The filtered water migrates towards the centre of the hydrocyclone where the flow reverses and spirals upwards through the outlet. Accumulation of sediment can be visibly monitored through the MultiCyclone's clear sediment chamber.

The MultiCyclone is easily cleaned by opening the valve. Only 15 litres of water is discharged to cleanse the MultiCyclone.

MultiCyclone is easy to install and fits to most existing pond filtration systems. There are no moving parts to wear out and replace and it's backed by Waterco's 2 year warranty.



PLEASE NOTE: The MultiCyclone is designed to filter sediment that is heavier than water. Floating debris cannot be filtered out by centrifugal filtration.





WATERCO AQUAMITE PUMPS - Single Phase 220v - 240v, S/S shaft, CE approved

Part No.	Product Description	Q. Max	P. Max	Price
1/2" port supplied with 1/2" imperial & 50mm metric quick connect unions				
Pump Warranty - 3 years wet end, 2 years motor and 1 year mechanical seal				
2402033PNR-M	Aquamite 033	11.3m ³ /hr	0.53kW	
2402050PNR-M	Aquamite 050	14.4m ³ /hr	0.58kW	
2402075PNR-M	Aquamite 075	16.8m ³ /hr	0.65kW	
2402100PNR-M	Aquamite 100	19.8m ³ /hr	0.76kW	
2402125PNR-M	Aquamite 125	22.2m ³ /hr	0.88kW	
Price and availability for TUV approved models available on request				
Silicon carbide seal required for salt water installations, pricing available on request				

NB: For pricing please see: Pumps page 56



BLOWERS

Part No.	Product Description	Nom. Size	Price
282410	Airflo Blower 900W - CE	900W	£392.80

Compact Design

The compact design of the Waterco spa blower enables installation in smaller areas and tight corners. The convenient position of the mounting base and air inlet/outlets reduces installation time and cost.

Thermal Cutout

Waterco spa blowers feature an important safety feature, an integral thermal cutout. This cutout stops the electric motor if it becomes excessively warm. This cutout does not require manual resetting and will automatically restart the motor when it is sufficiently cooled.

- Whisper quiet operation
- Hi-flow air movement
- Compact design
- Variable mounts

Specification

Size (mm)	Power (W)	Voltage (V)	Weight	Suction
225 x 280 x 360	900 watt	240AC	3.7kg	2" hpvc

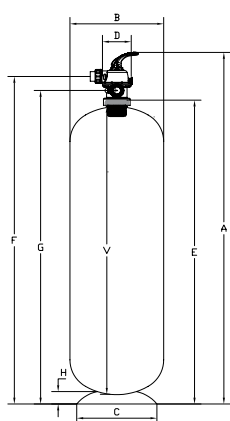
Blower loops required in installation.

Purification Systems



Purification

Purification Systems - Point Of Use



TOP MOUNT MICRON W SERIES WHOLE OF HOUSE FILTER

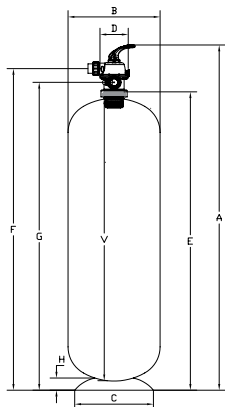
Part No.	Product Description	Price
	Backwashable Deep Bed granular filters c/w 1 1/2" 5 Way MPV	
22473011	Micron W300 MKII (7 bar)	£389.20
22473571	Micron W350 (7 bar)	£579.70
22474071	Micron W400 (7 bar)	£567.30
22475071	Micron W500 (7 bar)	£718.60
22476071	Micron W600 (7 bar)	£937.90
22477071	Micron W700 (7 bar)	£1,055.70

Specification

Filter Model	Bed Depth (mm)	Filter Area (m ²)	Valve Size (mm/inch)	Wat. flow 24m ³ /hr/m ² (m ³ /hr)	Com. flow 36m ³ /hr/m ² (m ³ /hr)	Sand 16/30 (kg)	Zeoplus (kg)	Filter Bed (litres)
W300	600	0.07	50/1.5	1.68	2.50	75	56	51
W350	600	0.10	50/1.5	2.28	3.48	80	61	55
W400	600	0.13	50/1.5	3.00	4.50	100	75	68
W500	600	0.20	50/1.5	4.74	7.08	150	113	103
W600	600	0.28	50/1.5	6.78	10.20	225	169	154
W700	600	0.38	50/1.5	9.20	13.86	300	226	205

Dimensions (mm)

Model	A	B	C	D	E	F	G	H	V
W300	1366	322	346	160	1100	1233	1153	175	955
W350	1397	366	355	160	1130	1262	1183	63	1010
W400	1377	416	355	160	1100	1242	1163	63	995
W500	1415	518	443	160	1148	1280	1201	69	1014
W600	1402	620	540	160	1135	1267	1188	88	992
W700	1407	720	540	160	1140	1272	1193	88	1015



Micron WD Deep Bed Filters

Part No.	Product Description	Price
22483071	Micron WD300 (7 Bar)	£621.10
22483571	Micron WD350 (7 Bar)	£632.20
22484071	Micron WD400 (7 Bar)	£689.20
22485071	Micron WD500 (7 Bar)	£900.80
22486071	Micron WD600 (7 Bar)	£1,287.40
22487071	Micron WD700 (7 Bar)	£1,592.80

Micron WD Deep Bed Filters

Micron WD Filters are designed with filter bed depths of 1000mm providing enhanced filtration & increased contact time.

Specification

Filter Model	Bed Depth (mm)	Filter Area (m ²)	Valve Size (mm/inch)	Wat. flow 24m ³ /hr/m ² (m ³ /hr)	Com. flow 36m ³ /hr/m ² (m ³ /hr)	Sand 16/30 (kg)	Zeoplus (kg)	Filter Bed (litres)
WD300	1000	0.07	50/1.5	1.68	2.50	120	90	82
WD350	1000	0.10	50/1.5	2.28	3.48	135	101	92
WD400	1000	0.13	50/1.5	3.00	4.50	170	128	116
WD500	1000	0.20	50/1.5	4.74	7.08	265	200	182
WD600	1000	0.28	50/1.5	6.78	10.20	390	294	267
WD700	1000	0.38	50/1.5	9.20	13.86	525	396	360

Dimensions (mm)

Model	A	B	C	D	E	F	G	H	V
WD300	1977	315	301	160	1710	1841	1762	75	1590
WD350	1997	366	356	160	1730	1861	1782	63	1612
WD400	1987	416	356	160	1720	1851	1772	63	1595
WD500	2009	518	443	160	1742	1873	1794	69	1600
WD600	1997	620	540	160	1730	1861	1782	88	1582
WD700	2002	720	540	160	1735	1866	1787	88	1622

Purification Systems - Point Of Use



W Series MKII Automated Deep Bed Filters

Part No.	Product Description	Price
22473002	Micron automated W300 MKII Deep Bed Filter c/w automated valve (time based)	£2,107.40
22473012	W300 MKII tank only, suitable for automated valve	£646.10
22472500	Micron automated W250 MKII Deep Bed Filter c/w automated valve (time based)	£2,056.40
22472502	W250 MKII tank only, suitable for automated valve	£646.10

Specification

Model	Valve Size (mm/inch)	Filter Area (m²)	Bed Depth (mm)	Max. Flow Rate 36m³/hr/m² (m³/hr)	Max. Working Pressure (bar / psi)	Media Volume (Litres)	Sand 16/30 (kg)	Zeoplus 16/30 (kg)
W300 MKII	50/1.5	0.07	600	2.52	7 / 102	51	75	57
W250 MKII	50/1.5	0.05	600	1.80	7 / 102	36	52	40

Dimensions

Model	Inner Diameter (mm)	Overall Width (mm)	Overall Height (mm)
W300 MKII	300	332	1366
W250 MKII	250	268	1385



MPV for W & WD filters

Part No.	Product Description	Nom. Size	Price
228026EURO	50mm 5-way MPV	(6 bar)	£245.80
2280262EURO	50mm BSB collar 5-way MPV for MK II W300	(7 bar)	£245.80
228053EURO	63mm 6-way MPV	(4 bar)	£260.30



W300 MKII Automated Valve & Accessories

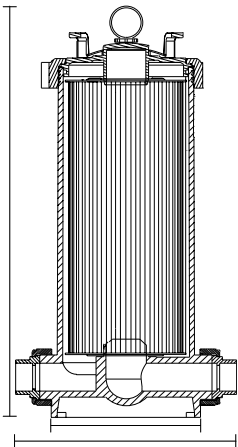
Part No.	Product Description	Price
72523000	W Series Automated Valve including weather cover and locking	£1,714.20
72523010	W Series Automated Valve almond weather cover	£50.30
855172	W Series Automated Valve locking	£14.50

The WSA Valve is designed to direct and regulate all the cycles necessary for the day to day operation of the Micron W300MKII filter.

- User friendly digital display and programming.
- Solid state microprocessor with easy access front panel settings.
- Stores system configuration and operation data in nonvolatile memory.
- Optimum service and backwash rates.
- Modular design with no screws to lose.

Inlet / Outlet	25mm (1")
Minimum / Maximum Operating Pressures	1.38 bar (20 psi) - 8.62 bar (125 psi)
Minimum / Maximum Operating Temperatures	4°C (40° F) - 43° C (110° F)
Current Draw and Voltage	0.5A 220 - 240 v

Purification Systems - Point Of Use



COMMANDOMATIC TCF HOUSING 6 bar

Part No.	Product Description	Price
Polypropylene housing for cartridge and/or granular filtration purposes. Filter supplied with both 1½" imperial & 50mm metric quick connect unions.		
2150253EU	C25 TCF (empty)	£253.60
2150503EU	C50 TCF (empty)	£310.80
2150753EU	C75 TCF (empty)	£351.60

TCF Compact filter is a compact and economical cartridge filter built with an easy-to-use locking system for simple cartridge removal and replacement.



Dimensions

Model	Height (mm)	Width (mm)	Tank Diameter (mm)
C25	475	384	259
C50	720	384	259
C75	970	384	259



Commandomatic TCF Cartridges

Part No.	Product Description	Price
Pleated Polyester Filter Cartridges		
620401	C25 1 micron cartridge	£78.10
62041	C50 5 micron Cartridge	£70.50
62043	C75 5 micron Cartridge	£96.80
620411	C50 10 micron Cartridge	£65.20
620431	C75 10 micron Cartridge	£96.30
6204220	C50 20 micron Cartridge	£64.70
6204420	C75 20 micron Cartridge	£108.00
62040	C25 30 micron cartridge	£50.50
62042	C50 30 micron Cartridge	£62.60
62044	C75 30 micron Cartridge	£102.00

The pleated filter cartridge is constructed from heavy duty, easy-to-clean polyester fabric. The cartridge's pleats allow for more surface area and a lower pressure loss compared to depth type filter cartridges

Specification

Model	Max. Flow Rate	Cartridge Micron Ratings	Maximum Pressure Drop	Surface Area	Cartridge Length	Cartridge Diameter
C25	5.7m³/hr	5, 10, 20, 30	0.2 Bar / 2.9 psi	2.3m²(25ft²)	240mm	185mm
C50	11.40m³/hr	5, 10, 20, 30	0.2 Bar / 2.9 psi	4.6 m² (50 ft²)	490mm	185mm
C75	16.50m³/hr	5, 10, 20, 30	0.2 Bar / 2.9 psi	6.9 m² (75 ft²)	740mm	185mm

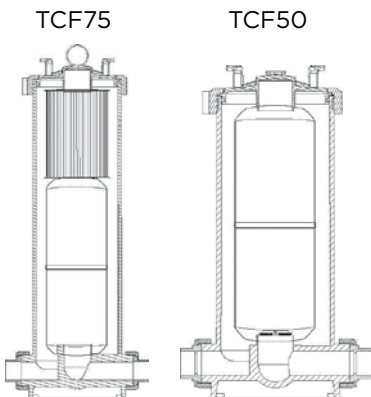
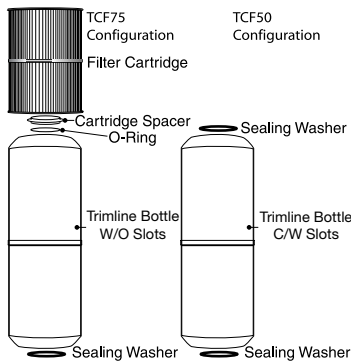
Purification Systems - Point Of Use



TCF GRANULAR MEDIA CARTRIDGE COMPONENTS

Part No.	Product Description	Price
3651922	Trimline Bottle (c/w slots) 12 litre capacity	£44.80
3651923	Trimline Bottle (w/o slots) 12 litre capacity	£44.80
644771	TCF sealing washer	£10.70
W02046	TCF cartridge spacer	£7.50
6340116	TCF cartridge spacer o-ring	£1.80

TCF Granular Media Pre-Filter Cartridges		
620401	C25 1 Micron Cartridge	£78.50
62031	C25 5 micron Cartridge	£52.70
620311	C25 10 micron Cartridge	£72.00
6204020	C25 20 micron Cartridge	£62.10
62040	C25 30 micron Cartridge	£50.50



Pleated Filter Cartridges

The Pleated Filter Cartridges are fabricated from pleated reusable polyester fabric. The media has been pleated to provide 2.3 to 6.9 square metres of surface area in order to maximise the cartridge dirt holding capacity and extend the time between cleaning.

- Material : Polyester Fabric material,
Vinyl Plastisol end caps,
Polypropylene core
- Operating Temperature : 4°C to 50°C
- Maximum Pressure Drop: 0.2 bar / 2.9 psi



Granular Media Cartridges

The granular media cartridges are able to house 12 litres of filter media and are designed to allow water to enter via the top of the cartridge and flow through the full height of the filter bed before exiting at the bottom of the cartridge.

Purification Systems - Point Of Use

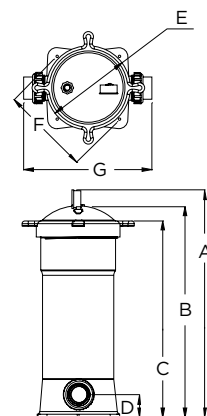


TBF housings are constructed from high impact polypropylene to be compatible with a wide range of fluids, and its ergonomic screw down lid is designed for simple hand operation allowing for a quick filter changeover.

- Ideal as a coarse pre-filter / leaf trapper
- Disposable filter bags
- One piece mould construction
- Able to withstand up to 6 bar / 600kPa / 87 psi

COMMANDOMATIC TBF HOUSING 6 bar

Part No.	Product Description	Price
	Polypropylene Housing for Bag Filtration	
3761050EU	C50 TBF Housing	£318.40
37610750EU	C75 TBF Housing	£634.80



Model	Max. Flow Rate	Required Clearance for Servicing	Max. Pressure	Max. Temperature
C50	11.4 m ³ /hr	530mm / 20.9"	6 bar	40°C / 100°F
C75	16.2 m ³ /hr	770mm / 30.3"	6 bar	40°C / 100°F

Model	A	B	C	D	E	F	G
C50	710mm	665mm	620mm	71mm	263mm	278.5mm	402mm
C75	960mm	915mm	870mm	71mm	263mm	278.5mm	402mm

TBF POLYPROPYLENE FILTER BAGS

Part No.	Product Description	Price
	For C50	
3651931	1 Micron Filter Bag	£21.50
3651924	5 Micron Filter Bag	£20.80
3651925	25 Micron Filter Bag	£20.80
3651926	50 Micron Filter Bag	£20.50
36519265	800 Micron Filter Bag	£39.30
	For C75	
36519310	1 Micron Filter Bag	£23.20
36519240	5 Micron Filter Bag	£22.40
36519250	25 Micron Filter Bag	£22.40
36519260	50 Micron Filter Bag	£22.40
36519266	800 Micron Filter Bag	£45.80



Filter Bag Specifications	C50	C75
Material	Polyester*	Polyester*
Specific Gravity	0.91	0.91
Abrasion & Flex	Very Good	Very Good
Weak Acids	Excellent	Excellent
Strong Acids	Excellent	Excellent
Weak Alkali	Excellent	Excellent
Strong Alkali	Excellent	Excellent
Solvents	Fair	Fair

Filter Bag Dimensions	C50	C75
Surface Area	0.17m ² / 1.85ft ²	0.27m ² / 2.9ft ²
Diameter	178mm / 7"	178mm / 7"
Length	419mm / 16.5"	660mm / 26"

Warranty Terms & Conditions

[Important note: The benefits under this warranty are in addition to other legal rights and remedies you may have in relation to Waterco products]

PLEASE READ

1. These terms and conditions carefully, as failure to comply may affect your legal rights under this warranty; and
2. Any operation instructions carefully before commencing use of any product manufactured by Waterco (Europe) Limited ("Waterco"). Waterco manufactures quality pool and spa products to the highest standards using the most advanced technology and production procedures available.

WARRANTY COVER

If a defect occurs in any Waterco product during the warranty period, Waterco will at its discretion, repair the product or replace and install the defective part, free of charge provided that the defect results solely from poor workmanship or materials and subject to these terms and conditions.

Labour is covered by this warranty for a period of 12 months from the date of purchase or installation, at the discretion of Waterco and within a 50km/30 mile radius of an authorized Waterco Service Agent. All warranty work must be carried out by an authorised warranty agent and pre-approved before work is carried out.

The purchaser is responsible for any freight incurred.

Warranties are valid only within the original country of purchase.

WARRANTY PERIOD

All products sold by Waterco are covered by a one year warranty. The exceptions to this are the products listed in the schedule (which also specifies relevant warranty periods). All warranty periods commence on the date of purchase, or installation at Waterco's discretion.

The provisions of this warranty are not transferable and are in addition to and not in modification of or subtraction from any applicable statutory warranties, rights or remedies.

CONDITIONS OF WARRANTY

This warranty only applies where:

1. The products requiring installation have been sold with installation included and have been installed by a licenced plumber, electrician or person who has completed an accredited course in swimming pool care and maintenance or a person with more than 12 months on the job learning or a person supervised by one of these people, in accordance with any written installation instructions provided.
2. The products have been operated in accordance with written instructions supplied by Waterco;
3. The purchaser is able to provide proof of purchase that specifies the date of purchase;
4. The product has been serviced or maintained regularly. (at least once a month).
5. Any pump using an electric motor has:
 - Been adequately ventilated to avoid over heating;
 - Not been run on an electrical extension cord; and
 - Been installed in an area that is free from flooding or excessive outside contact with water;
6. Any pump has not been allowed to run dry (as this causes excessive damage to both the pump and motor);
7. Any pool and spa equipment has been used in water:
 - a. With a temperature not exceeding 40 degrees Celsius;
 - b. With a pH range maintained between 7.2 – 7.6;
 - c. That has been chemically balanced in accordance with the Langelier saturation index within a range of -0.2 to +0.2 to ensure that it is not corrosive or scale forming;
 - d. That is not salt water (other than mild saline water conditions which are compatible with swimming pool salt water chlorination systems) – unless otherwise stated by Waterco in both the respective product labels and brochures that it is suitable for seawater applications; and
 - e. That has been regularly treated with a sanitizing system using bromine, chlorine, hydrogen peroxide in one of its compound forms, or generated in-situ, in concentrations (doses) recommended by the relative state or territory health departments.
8. Pressure gauges have not been exposed to frosting and freezing conditions and due care has been exercised when attaching them to any Waterco products;

Warranty Terms & Conditions

9. Electrical equipment has been adequately protected from salt air environments and from salt water; and
10. Any pump used on a filter does not have a shut-off head that exceeds the pressure rating of the filter installed.

All repairs and replacements shall be carried out by Waterco or its authorized service dealer, unless otherwise authorized in writing by Waterco.

If an authorized service dealer is not available within 50km/ 30 miles of the purchaser's area:

- The purchaser must contact the place of purchase or Waterco for further instructions and;
- The purchaser is responsible for any freight or infield labour costs.

EXCLUSIONS

This warranty does not cover, and Waterco will not be responsible for, any defect or damage caused or contributed to by:

- (a) installation or use of the product other than in accordance with Waterco's written instructions, any statutory requirements and these terms and conditions;
- (b) use of the product for a purpose other than for which it was designed or sold;
- (c) abuse, misuse, corrosion, internal and external, or normal wear and tear;
- (d) any repairs or modifications whatsoever carried out by any person, other than a Waterco authorized service dealer;
- (e) exposure to water not caused by a defect in the product; and
- (f) transit of the product over which Waterco has no control.
- (g) inadequate ventilation
- (h) cement, pebbles, render or other pool surface finishes blocking the pump's impeller
- (i) insect and/or vermin infestation

Some three phase pumps are not supplied with thermal overload protection. It is the purchaser's responsibility to have this provision installed by appropriately licensed electricians prior to the initial installation of the pump. All electrical work must comply with any appropriate statutory requirements. Warranty for installation of thermal overload protection is the sole responsibility of the licensed electrical contractor and not Waterco.

LIMITATIONS OF LIABILITY

To the extent permitted by law Waterco excludes all liability it may have to the purchaser for indirect, special or consequential loss arising from or related to any defect in any Waterco product, or any act or omission of Waterco, including, but not limited to, loss of business, loss of profit, loss of revenue, lost opportunity, inconvenience, and damage to any property other than the Waterco product.

To the extent permitted by law, Waterco excludes all other conditions, guarantees, liabilities or representations that are not expressly set out in this agreement. These terms and conditions do not attempt to exclude, restrict or modify any applicable statutory rights, or any exercise of any statutory rights, or any liability imposed on Waterco by any law (including the Competition and Consumer Act 2010), if to do so would contravene that law or make any part of these terms and conditions void.

To the extent permitted by law, Waterco excludes all conditions and warranties implied into these terms and conditions and limits

its liability for breach of any such condition or warranty that it cannot exclude to the greater of (at Waterco's option);

- (a) for goods:
 - Repairing or replacing those goods; or
 - Paying the cost of having those goods repaired or replaced; and
- (b) for services:
 - Resupplying the services; or
 - Paying the cost of having those services resupplied.

TEST YOUR WATER REGULARLY

The chemical balance of the water is a relationship between total alkalinity, pH, Calcium hardness and temperature. Waterco recommends that you have your water tested regularly by your local pool professional. A record of testing should always be kept for reference.

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SCHEDULE OF WARRANTY PERIODS

All products sold by Waterco are covered by a one year warranty with the exception of the products listed below.

Domestic Applications:

PRODUCT	FULL WARRANTY	PRO-RATA WARRANTY
PUMPS		
Conditions:		
• Wet End	3 years	
• Motor, Hair & Lint Pot Lid, O'Ring, Basket, Impeller & Diffuser	2 years	
• Mechanical Seal & Capacitor	1 year	
*Except:		
FILTER		
• Thermoplastic filter tank	5 years	5 years (See column A)
• Filament Wound / Exotuf filter tank	10 years	Not applicable
• Cartridge / Bag filter tank	5 years	5 years (See column A)
• DE filter tank	3 years	2 years (See column B)
• MultiCyclone / Plus / Ultra / XL	2 years	
• Lacron filter tank	5 years	5 years
• W250 / W300 filters	5 years (residential)	n/a
• Other W / WD series filters	2 years (residential)	n/a
• All W / WD series filters	2 years (commercial)	n/a
*Except: All internal parts including fittings, valves, gauges, cartridge elements, DE / Perlite grids	1 year	
All multiport valves used on sand (granular) or DE / Perlite filters	1 year	
SALT CHLORINATORS		
• Hydrochlor Chlorinator Cell	3 years	
• Hydrochlor Chlorinator Power Pack	3 years	
• Hydrochlor Chlorinator cell & power pack for commercial applications	1 year	
HEAT PUMPS	Heat exchanger 10 years Compressor 3 years All other components 2 year	
BRITESTREAM LED	2 years	

RESTOCKING FEES:

PRODUCT	RESTOCKING FEE
Commercial filters	£100
Heat Pump	£100
Commercial Pumps	£50
All other products	25% of value

PLEASE NOTE THESE ARE RE-STOCKING FEES ONLY AND NOT APPLICABLE TO WARRANTY RETURNS.

Return carriage charges and arrangements will be the responsibility of the customer wishing to return the goods, and no carriage charges will be included in any subsequent refund issued.

No credit will be issued unless good are returned in a resalable condition including all packaging, and after the product has been tested/inspected and approved.

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Commercial Applications:

All products installed in a commercial application are covered by a one year warranty except commercial filament wound tanks.

PRODUCT	FULL WARRANTY
Commercial filament wound tanks	10 years (5 years full, 5 years pro rata)
Commercial Pumps	wet end 2 years, motor 1 year, excluding mech. seal
Commercial Heat Pump	1 year

How Our Pro-Rata Warranty Operates:

If a purchaser makes a claim under this Warranty during any pro-rata Warranty Period, Waterco will, at its discretion, replace any defective product, material or part, provided that the purchase contributes to a percentage of Waterco's list price. The purchaser is responsible for any labour and freight costs. The following table sets out the percentage payable by the purchaser for any products, materials and parts in the relevant warranty year (where year 1 is the first year after purchase):

YEAR	A	B	C	D
	5 years full warranty +5 years pro rata warranty	3 years full warranty +2 years pro rata warranty	1 year full warranty +4 years pro rata warranty	2 years full warranty +3 years pro rata warranty
1	0	0	0	0
2	0	0	50	0
3	0	0	60	40
4	0	60	70	60
5	0	80	80	80
6	50	N/A	N/A	N/A
7	60	N/A	N/A	N/A
8	70	N/A	N/A	N/A
9	80	N/A	N/A	N/A
10	90	N/A	N/A	N/A

Commercial Pro-Rata Warranty

YEAR	5 Year Full + 5 Year Pro Rata	YEAR	5 Year Full + 5 Year Pro Rata
1	0%	6	50%
2	0%	7	60%
3	0%	8	70%
4	0%	9	80%
5	0%	10	90%

SUMMARY OF WARRANTY LIMITATIONS

The provisions of this warranty are not transferable from the original purchaser and are in addition to and not in modification of or subtraction from any applicable statutory warranties, rights or remedies.

Labour is covered by this warranty for a period of 12 months from the date of purchase or installation, within a 50km / 30 miles radius of an authorized Waterco Service Agent.

Spare parts used in the repair of products are covered by a 12 month warranty and are not covered by the original warranty from date of purchase or installation.

The purchaser is responsible for any freight incurred.