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WATERCO
water, the liquid of life

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CATALOGUE



2026-2027

Effective 1st January 2026

WATERCO LIMITED

Established since 1981, Waterco is an Australian public listed company involved in the manufacture and distribution of:

- Swimming pool / spa equipment and chemicals
- Dosmetic water filters, softeners and purifiers
- Commercial water treatment equipment

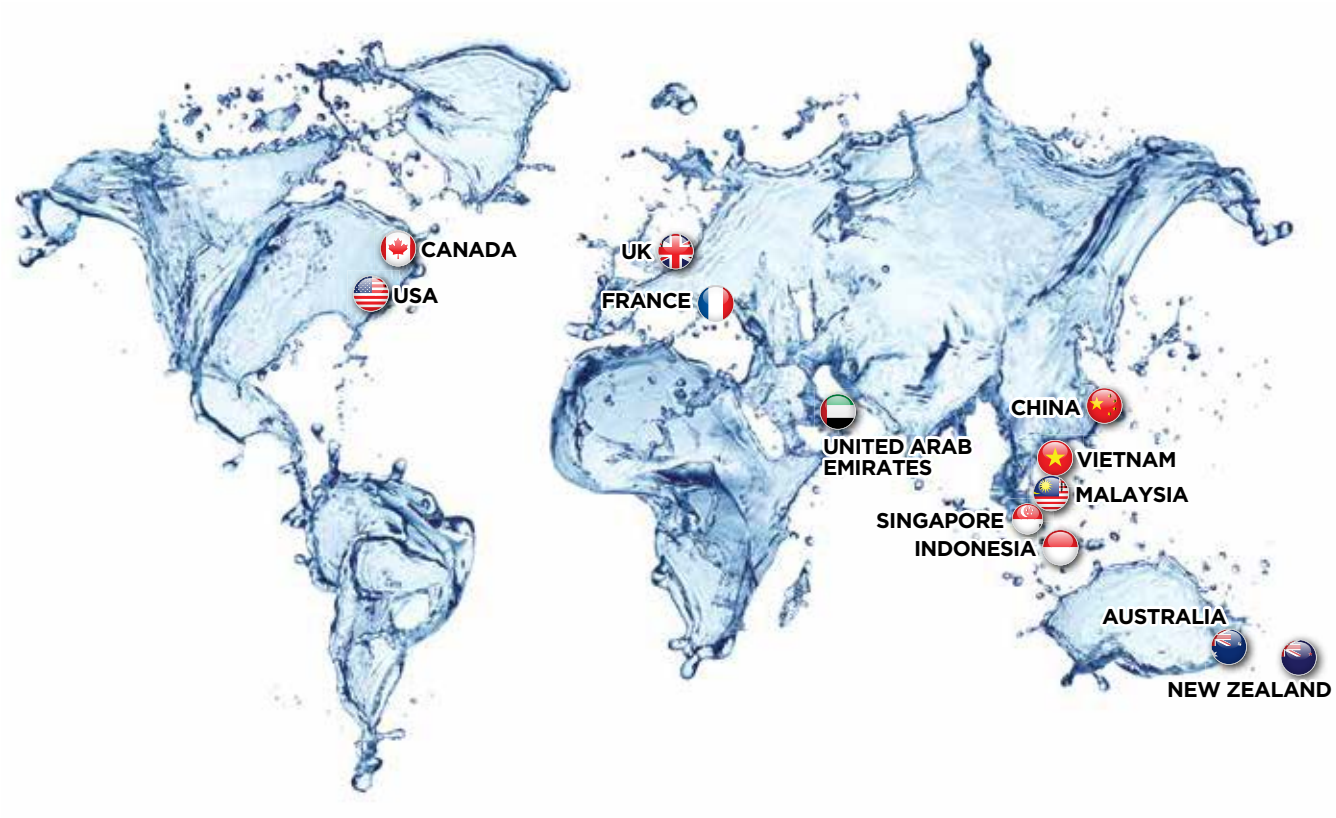








WATERCO
water, the liquid of life



MALAYSIA |
Kuala Lumpur
Research and Development, Manufacturing, Warehousing, Sales and Distribution.

SINGAPORE |
Regional Sales and Administrative Office.

VIETNAM |
Ho Chi Minh
Warehousing, Sales and Distribution.

INDONESIA |
Jakarta
Warehousing, Sales and Distribution.

AUSTRALIA |
Sydney (Head Office), Brisbane, Melbourne, Adelaide, Perth
Research and Development, Manufacturing, Warehousing Sales and Distribution.

FRANCE |
Lyon
Warehousing, Sales and Distribution.

UK |
Kent
Manufacturing, Warehousing, Research and Development, Sales and Distribution.

USA |
Augusta
Research and Development, Manufacturing, Warehousing, Sales and Distribution.

CANADA |
Boucherville
Warehousing, Research Development, Sales and Distribution.

NEW ZEALAND |
Auckland
Warehousing, Sales and Distribution.

CHINA |
Guang Zhou
Manufacturing, Chemical Packing, Warehousing, Sales and Distribution.

MIDDLE EAST FZE |
Dubai
Warehousing, Sales and Distribution.

Perox AQUA HEALTH Electr Heat Poppits SolarMate Aqua Fingers DAVEY

Terms and Conditions of Sales

1. Price changes

   Waterco reserves the right to alter prices without prior notice.

2. Payment

   Payment of goods shall be strictly Cash-On-Delivery unless credit arrangements have been approved. Payments of goods purchased on credit must be made within 30 days of date of invoice. Overdue accounts may incur an interest charge at the rate of 1.5% per month, at Waterco's discretion. Waterco reserves the right to require Cash-On-Delivery where there has been a failure to meet the terms of credit previously provided.

3. Returned goods

   Goods returned for credit by prior arrangement and must be accompanied by written details of the original delivery date and other relevant information. Returns may be subject to a handling charge at Waterco's discretion according to the circumstances. Waterco will not be responsible for the freight charges for the return of such goods.

4. Local Delivery Arrangements

   Waterco will only deliver to the customer's business premises or to locations nominated by the customer within 50 kilometres of the customer's business premises. Freight costs will be handled in accordance with clause 5. If the customer requests delivery outside these areas, it may or may not be provided, at the relevant Waterco branch manager's discretion and on terms to be agreed with the Waterco branch manager.

5. Freight costs

   All prices quoted are ex-factory unless specified. Deliveries to all other areas are on ex-Waterco Warehouse basis.

6. Ownership of goods

   Risk in all goods supplied by Waterco to the customer shall pass: -

   (a) when goods are delivered to the customer where delivery is within the metropolitan areas as defined by Waterco and delivery is provided by Waterco or

   (b) where delivery is outside the metropolitan area as defined by Waterco, then the risk shall pass immediately the goods leave Waterco premises and the customer shall ensure that appropriate transit insurance cover has been taken out in respect of such goods. However, ownership of the goods in all cases shall be retained by Waterco until payment is received in full such goods and for all goods supplied by Waterco to the customer. Until payment is made, the customer will hold the goods as fiduciary bailee and agent for Waterco, the agency being solely for the purpose of accounting for sale proceeds. If the customer fails to make payment within the due time as stipulated by Waterco, Waterco shall have the right to enter upon the premises of the customer and regain possession of the said goods. If such goods are sold by the customer prior to payment, or if they become constituents of other goods, then the customer will hold those proceeds of sale which equate to the amount owing for the goods on trust for and account for them to Waterco. In the event that the customer fails to make payment within the due time as stipulated by Waterco, Waterco 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.

7. Order

   The customer shall, within seven (7) days upon receipt of a completed order, report to Waterco, 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 within seven (7) days of the date of delivery.

8. Proof of Delivery

   Proof of delivery may be available upon request, however charges might be applicable to the customer to reprint or reproduce the Proof of Delivery.

9. Intellectual Property

   The purchaser must not use Waterco's intellectual property (Trade Marks/ Logos/ Images) without Waterco's written permission.

10. Compliance with Privacy Law

    a) Where a party discloses to the other party any Personal Information, the recipient must:

       i) comply with the Privacy Law in respect of its holding, use and disclosure of that Personal Information. In the case that recipient is not bound by the Privacy Law, recipient must treat such Personal Information in the same manner as if recipient was bound by the Privacy Law;

       ii) use the Personal Information only for the purposes of fulfilling its obligations under this Agreement;

       iii) acknowledge that if recipient breaches the Privacy Law, the disclosing party may be held to be in breach of the Privacy Law and accordingly recipient warrants to the disclosing party that it, or its agents will not act in any way, or fail to take relevant action so that recipient contravenes the provisions of the Privacy Law;

    b) Each party warrants that it has in place:

       i) a system to detect and report when an event has occurred that may give rise to reasonable grounds to suspect an Eligible Data Breach has occurred; and

       ii) a system to investigate and assess a suspected Eligible Data Breach within 30 days of becoming aware of a suspected breach, including a documented procedure for making an evaluation of each investigation.

    c) In the event of a suspected Eligible Data Breach the breached party will notify the other and cooperate to minimise loss of goodwill, including liaising on client communications.

    d) The breached party indemnifies the other for any loss of data resulting from an Eligible Data Breach where the OAIC determines the breached party did not comply with the Privacy Act, or, if no determination is formally made by the OAIC, a court of competent jurisdiction so determines.

    e) For the purposes of this clause, Eligible Data Breach has the meaning set out in section 26WE of the Privacy Act. Personal Information has the same meaning as the given in the Privacy Act 1988 (Cth). Privacy Law means the Privacy Act 1988 (Cth) and any legislation (to the extent that such legislation applies to either party or any other recipient of Personal Information) from time to time in force in any Australian jurisdiction (which includes the Commonwealth of Australia and any State or Territory of Australia) affecting privacy, personal information or the collection, handling, storage, processing, use or disclosure of personal data.

Conversion Tables

CONVERSIONS

Kilowatts	x	3412	=	B.T.U.	m	x	3.28	=	ft
B.T.U.	x	1.055	=	Kilojoules	m^2	x	10.76	=	ft^2
kWh	x	3571.4	=	Kilojoules	m^3	x	35.3	=	ft^3
Kilowatts	x	1.34	=	Horsepower	ft^3	x	28.3	=	litres
Kg	x	2.205	=	Pounds	m^3	x	1000	=	litres

VOLUME (LIQUIDS) - IMPERIAL/US/METRIC

Imp. Gallon	=	1.201	US Gallons	$1m^3$	=	220	Imp. Gallons
	=	0.004546	m^3		=	264.2	US Gallons
	=	4.546	litres		=	1000	litres
US Gallon	=	0.833	Imperial Gallons	1 litre	=	0.220	Imp. Gallons
	=	0.003785	m^3		=	0.264	US Gallons
	=	3.785	litres		=	0.001	m^3
m^3/hour	=	3.67	imp. gpm	lpm	=	0.22	imp. gpm
	=	4.40	US gpm		=	0.26	US gpm
	=	16.67	lpm		=	0.06	m^3/hr
US gpm	=	0.23	m^3/hr	Imp. Gallon	=	0.27	m^3/hr
	=	3.83	lpm		=	4.50	lpm
	=	0.83	Imp. Gallons		=	1.20	US gpm

FILTRATION RATE

$m^3/hr/m^2$	=	16.67	lpm/m^2	lpm/m^2	=	0.060	$m^3/hr/m^2$
	=	0.41	US gpm/ft^2		=	0.025	US gpm/ft^2
	=	0.34	$igpm/ft^2$		=	0.020	$igpm/ft^2$
US gpm/ft^2	=	2.44	$m^3/hr/m^2$	$igpm/ft^2$	=	2.94	$m^3/hr/m^2$
	=	0.83	$igpm/ft^2$		=	1.20	US gpm/ft^2
	=	40.67	lpm/m^2		=	49.00	lpm/m^2

HEAD AND PRESSURE

1ft Head	=	0.3048	metres head	1metre Head	=	3.281	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		=	0.1	kgf/cm^2

EQUIVALENT IMPERIAL & METRIC STANDARD PVC PIPES

IMPERIAL SYSTEM ASTM D1785			METRIC PIPE DIN 8062	JIS K6741.2	
Nominal Pipe Size		Outer Diameter, mm	Nominal Diameter/ Outer Diameter, mm	Nominal Size, mm	Outer Diameter, mm
inch	mm				
¼	8	13.72	12mm	-	-
⅜	10	17.15	16mm	-	-
½	15	21.34	20mm	16	22
¾	20	26.67	25mm	20	26
1	25	33.4	32mm	25	32
1¼	32	42.16	40mm	30	38
1½	40	48.26	50mm	40	48
2	50	60.33	63mm	50	60
2½	65	73.02	75mm	65	76
3	80	88.9	90mm	75	89
4	100	114.3	110mm	100	114
6	150	168.27	160mm	150	166
8	200	219.08	225mm	200	217
10	250	273.05	280mm	250	268

*In imperial system, Nominal Pipe Size (NPS) refers to inner diameter of pipe.
*In metric system, the naming system is based on outer diameter of pipe.

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10 | Spa Equipment

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12 | Chemicals

13 | Warranty Terms & Conditions

ENGINEERED FOR **EXCELLENCE**



R32 Heat Pump Technology
All Electroheat heat pumps now feature R32 refrigerant. A next-generation solution with 70% lower GWP than older gases. R32 delivers higher efficiency, lower running costs, and eco-friendly performance for sustainable comfort.



Wi-Fi with Mobile App Control
Electrochlor Wi-Fi is so advanced that you can monitor your pool through a mobile app. Via My Waterco Connect app, you can control and monitor the critical functions of the Electrochlor.



Marine Mechanical Seal
Built for durability, Waterco marine grade mechanical seals safeguard pumps against leaks and motor damage. Using corrosion resistant materials, they withstand chlorinated and saltwater conditions, offering dependable sealing solutions for pools, spas, and water treatment systems.



SIGNATURE PRODUCTS

Waterco pioneers reliable solutions for healthy, safe water environments.. Since in 1981, the company has been a global leader in innovative water treatment solutions. We design and manufacture reliable filtration and sanitisation products for healthy, safe water in residential, commercial, and industrial applications across over 40 countries.



AQUABIOME

Aquabiome is designed for ponds and aquaculture systems. It functions to remove solid particles and at the same time Ammonia compound from pond system.



MULTICYCLONE 16 GEN 2

Award winning pre filter which uses centrifugal force to filter down to 30 micron with no moving parts or cartridges.



PRO
CLEANING ACCESSORIES



PRO Series Pool Cleaning Accessories
Made from engineered plastics for maximum durability and ease of use.

HYDROSTORM ECO-V

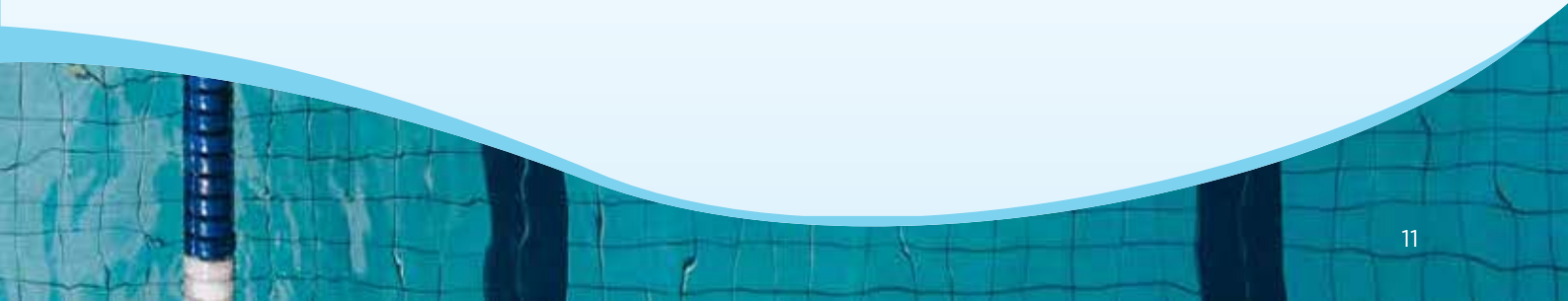


Hydrostorm ECO-V
Energy saving variable speed pump that produces high performance and low electricity bills.

HYDROCHLOR PRO



Electrochlor PRO
Self Cleaning Salt Chlorinator with a 40G or 50G production output for problem free salt chlorination.



THE EMPIRE CITY HOTEL, BRUNEI

The Iconic Lagoon: A Centrepiece of Luxury





Crystal Clear Luxury:

REDEFINING FILTRATION FOR THE EMPIRE BRUNEI

SYSTEM SETUP:

- *Micron S1200 Fibreglass Filter*

VAN HAI ECOLOGICAL TOURISM, VIETNAM

Enhancing Luxury Pools with Waterco



Enhancing Luxury Pools with Waterco:

A CASE STUDY OF VAN HAI ECOLOGICAL TOURISM





SYSTEM SETUP:

- *Micron S602 Fibreglass Filter*
- *Micron SM750 Fibreglass Filter*
- *Hydrochlor Mineral Chlorinators*
- *Electroheat Plus Heat Pump*

SALMON FARMING COMPLEX, SOUTH KOREA

Introduction: Breaking New Ground in Sustainable Aquaculture





Waterco's Role in Korea's First Specialized

LAND-BASED SALMON FARMING COMPLEX WITH WONJIN FISHERIES CO. Ltd.

SYSTEM SETUP:

- *Micron MD6500 Fibreglass Filer*
- *Micron SMDD2000 Fibreglass Filter*
- *Hydrostar MKIV Pump*

ALOHA PIK 2 , INDONESIA

Where tourism, creativity and clean water circulation go hand in hand



Aloha PIK 2:

SUSTAINING FLOW IN A CULTURAL LANDMARK





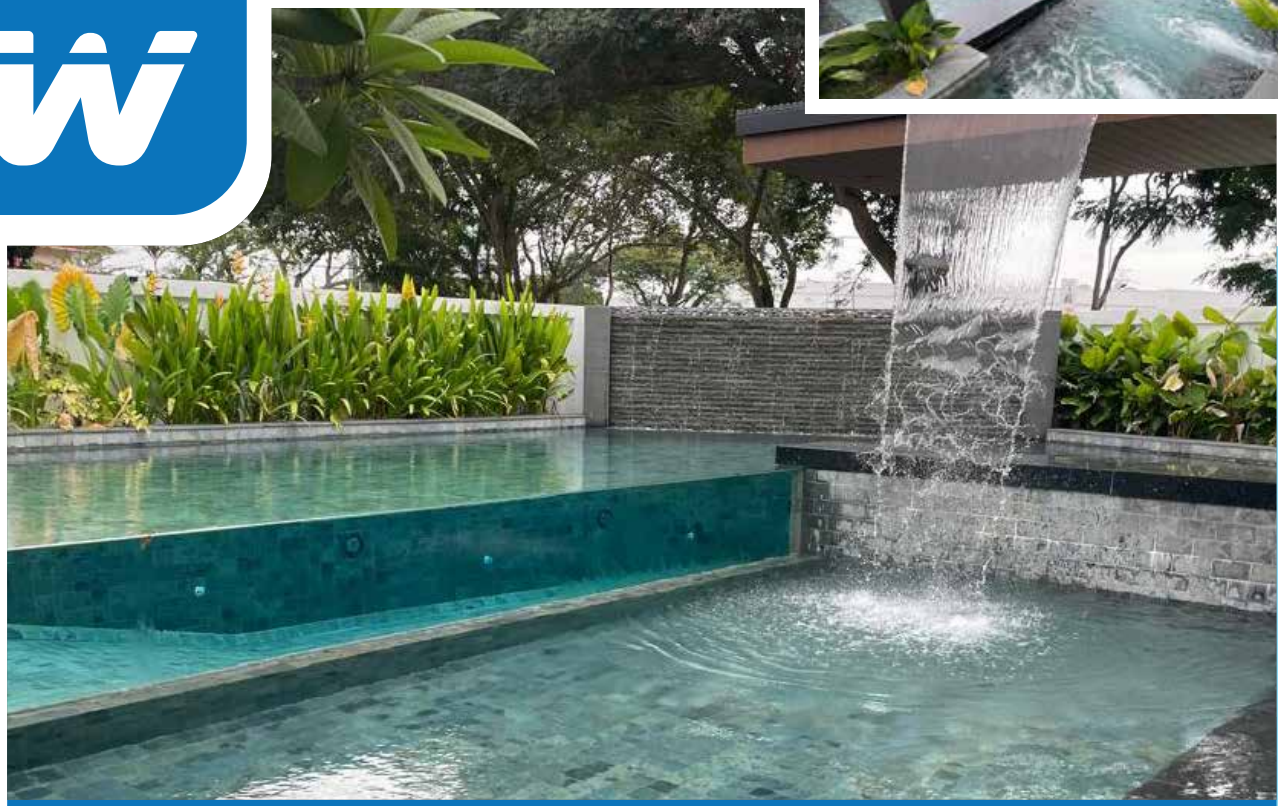
SYSTEM SETUP:

- *Aquabiome ASM900*
- *Aquabiome ASM600*
- *Supatuf 100 MK2 Pump*
- *Supatuf 250 MK2 Pump*

ADVENTURE LODGE MELAKA , MALAYSIA

The Iconic Lagoon: A Centrepiece of Luxury





Adventure Lodge 30

A DUAL-PURPOSE HOMESTAY SHOWCASING WATERCO'S POOL & SPA SOLUTIONS

SYSTEM SETUP:

- *Micron S600 Fibreglass Filters*
- *Micron S800 Fibreglass Filters*
- *Hydrostorm Plus 200 Pump*
- *Hydrostorm 200 Pump*
- *Hydrostorm 150 Pump*
- *Hydrostorm 100 Pump*
- *Electroheat MKV Heat Pump*

WATERCO
water, the liquid of life

HYDROSTORM
ECO-V GEN 2

Energy Saving Variable Speed Pump



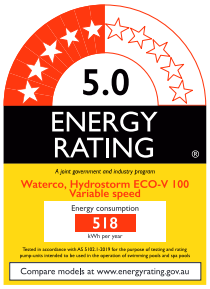
enviropro
SAVE TIME, WATER AND ENERGY

PUMP PROTECTION BRACKET

CLIMATE CARE CERTIFIED

3 YEAR WARRANTY

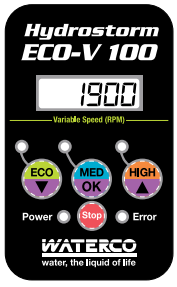
SAVE ENERGY



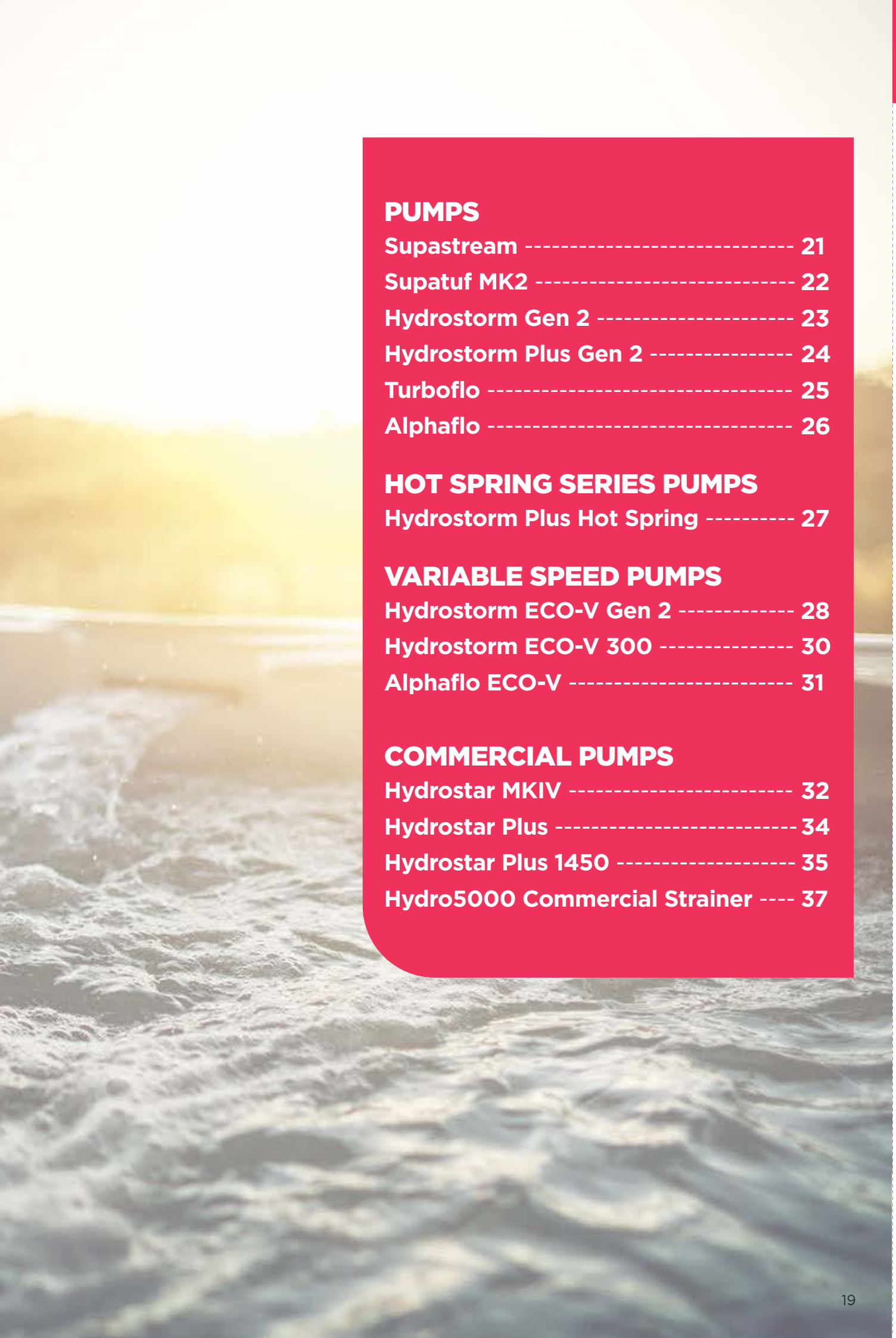
- Slash Energy Use By Up To 88%.
- Ultra Quiet Operation.
- Enhanced Water Clarity.

Equipped with an energy saving variable speed motor, Hydrostorm ECO-V pump is capable of lowering its motor speed and lowering its energy consumption.

Fine tune the pump's motor speed to perfectly match your pool's flow requirements, maximising energy savings and minimising pump noise.







PUMPS

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Supastream



Supatuf MK2



Hydrostorm Plus



Hydrostorm ECO-V 300



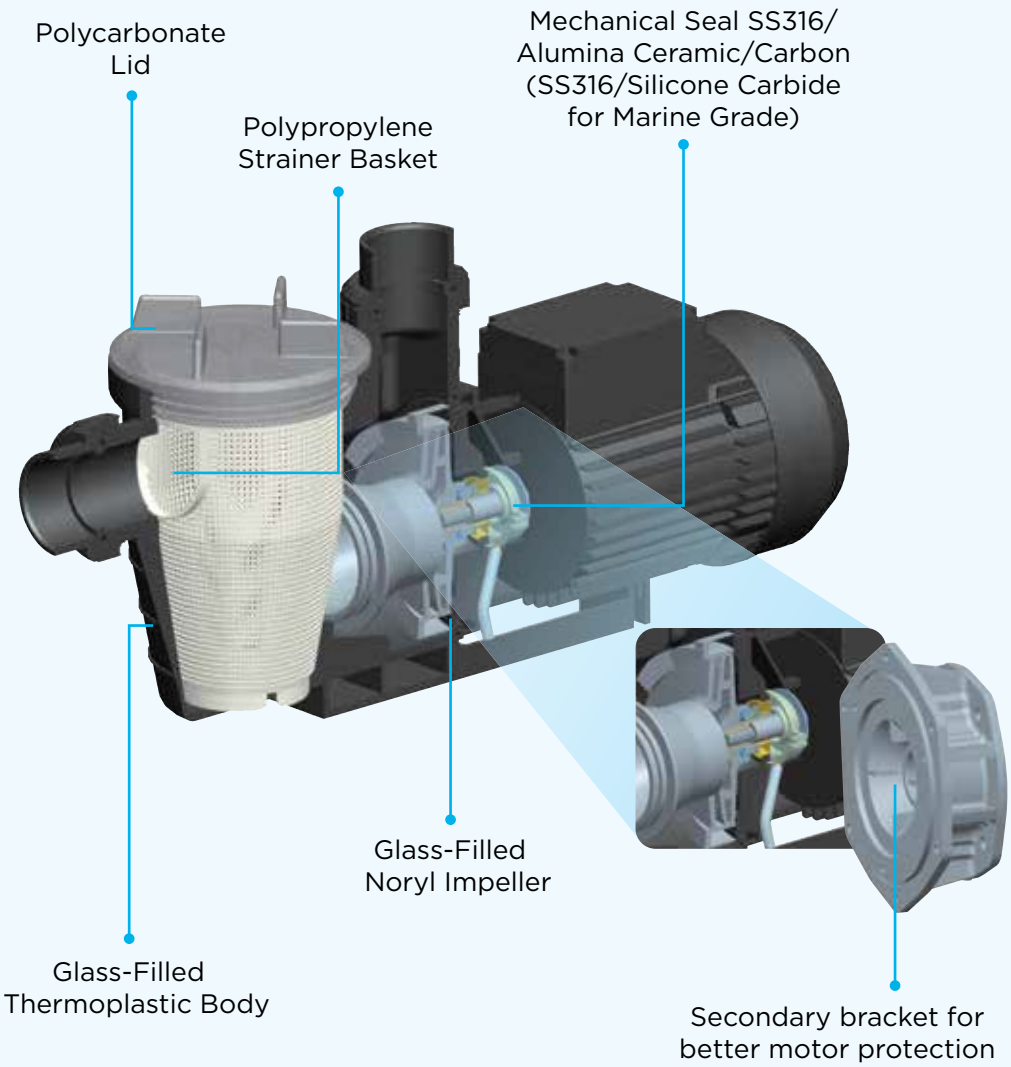
Hydrostar MK4



Hydrostar Plus

WATERCO THERMOPLASTIC CENTRIFUGAL PUMPS

The pump is the heart of your pool system as it draws the water through filtration and also recirculation to create a healthy and clean pool. Whether you're after a pump for a new pool, or a replacement pump for an existing pool, Waterco has a great range of energy-efficient models to choose from. Incorporating the latest technology to deliver the right combination of performance and energy savings, Waterco's pumps are reliable and built to the highest standards.



(Diagram served as illustration based on Supastream model)

Pumps



SUPASTREAM - 40mm ports

Part Number	Product Description	Nominal Size
2403050	Supastream 050 - 40mm ports (1 phase)	0.50hp
2403075	Supastream 075 - 40mm ports (1 phase)	0.75hp
2403100	Supastream 100 - 40mm ports (1 phase)	1.00hp
2403150	Supastream 150 - 40mm ports (1 phase)	1.50hp
*2" port version available upon request		
*60 Hz pumps available on certain models, please contact our friendly sales staff.		

SECONDARY PROTECTION SEAL

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

- 1.5 L strainer basket.
- Protected by secondary seal.

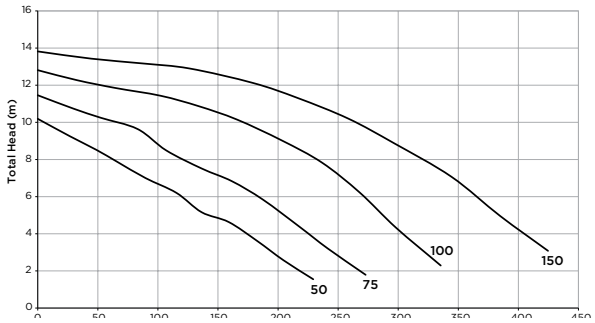
Pump	Inlet / outlet	Strainer basket size
Supastream 50	40mm ONLY	1.5
Supastream 75, 100 & 150	40/50mm	1.5

Technical Specifications

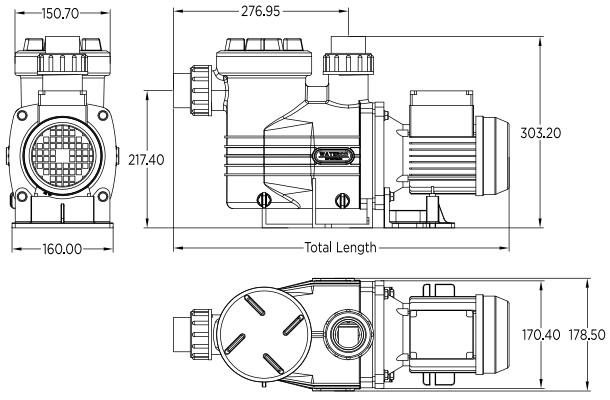
Model	Flow Rate (lpm)		Nom. HP	kW	Amps	Total Length (mm)
	6m	8m				
Supastream 50	120	60	0.50	0.570	2.5	575
Model	Flow Rate (lpm)		Nom. HP	kW	Amps	Total Length (mm)
	8m	10m				
Supastream 75	119	63	0.75	0.653	2.9	575
Supastream 100	234	169	1.00	0.860	3.6	575
Supastream 150	320	263	1.50	1.112	5.0	596

Phase	Volts	Cycle	RPM
1	220-240	50	2810

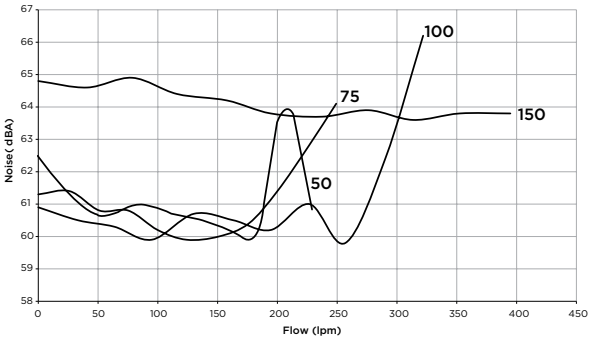
Flow Curves



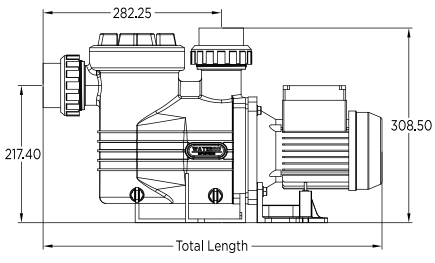
Dimension (mm) — Supastream 50



Noise Levels



Dimension (mm) — Supastream 75, 100 & 150



Pump



SECONDARY PROTECTION SEAL

SUPATUF - 50mm ports (MK 2)

Part Number	Product Description	Nominal Size
24110002	Supatuf 100 MK2 - 50mm ports (1 phase)	1.00hp
24115002	Supatuf 150 MK2 - 50mm ports (1 phase)	1.50hp
2412000	Supatuf 200 MK2 - 50mm ports (1 phase)	2.00hp
2413000	Supatuf 300 MK2 - 50mm ports (1 phase)	3.00hp
24130003	Supatuf 300 MK2 - 50mm ports (3 phase)	3.00hp
*60 Hz pumps available on certain models, please contact our friendly sales staff.		

The Supatuf MK2 pump is ideal for large domestic swimming pools with ancillary systems such as heating, infloor cleaning, fountains, vacuum cleaning and swim jets.

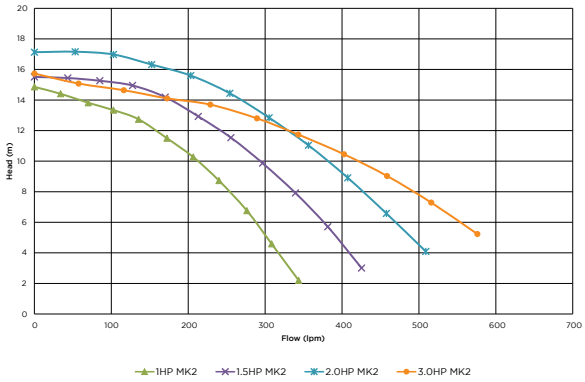
- 2.1 L strainer basket.
- Protected by secondary seal.

Technical Specifications

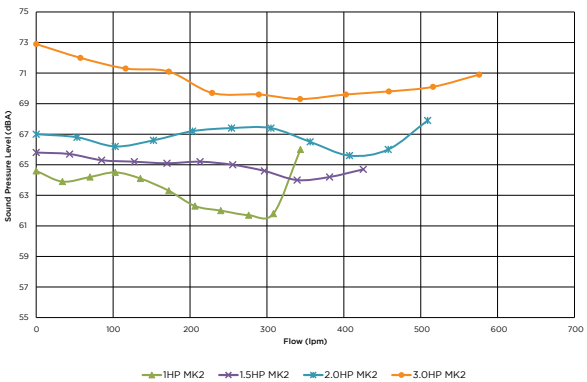
Model	Flow Rate (lpm)		kW	Nominal HP	Amp	Phase	Total Length (mm)
	8m	10m					
Supatuf 100 MK2	250	210	0.841	1.0	3.7	1	602
Supatuf 150 MK2	340	290	1.084	1.5	4.8	1	623
Supatuf 200 MK2	420	380	1.500	2.0	6.6	1	663
Supatuf 300 MK2	500	420	1.959	3.0	8.8	1	648
Supatuf 300 MK2	540	480	2.073	3.0	4.4	3	648

Phase	Volts	Cycle	RPM
1	220-240	50	2810
3	380-415	50	2820

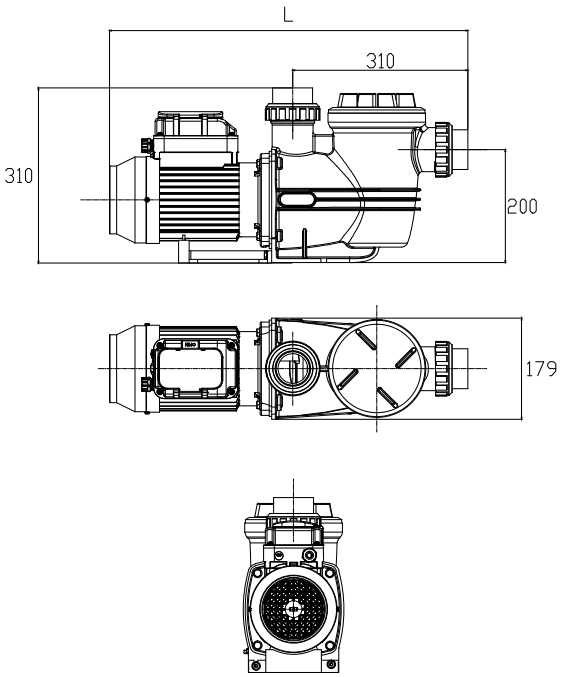
Flow Curves



Noise Levels



Dimension (mm)



Pumps



PUMP PROTECTION BRACKET

HYDROSTORM GEN 2 - High Head - 50mm ports

Part Number	Product Description	Nominal Size
244100	Hydrostorm 100 - 50mm ports (1 phase)	1.00hp
244150	Hydrostorm 150 - 50mm ports (1 phase)	1.50hp
244200	Hydrostorm 200 - 50mm ports (1 phase)	2.00hp
2442003	Hydrostorm 200 - 50mm ports (3 phase)	2.00hp
244300	Hydrostorm 300 - 50mm ports (1 phase)	3.00hp
2443003	Hydrostorm 300 - 50mm ports (3 phase)	3.00hp

*60 Hz pumps available on certain models, please contact our friendly sales staff.

The Hydrostorm is designed to have all the extra power you need to cope with modern day swimming pool designs.

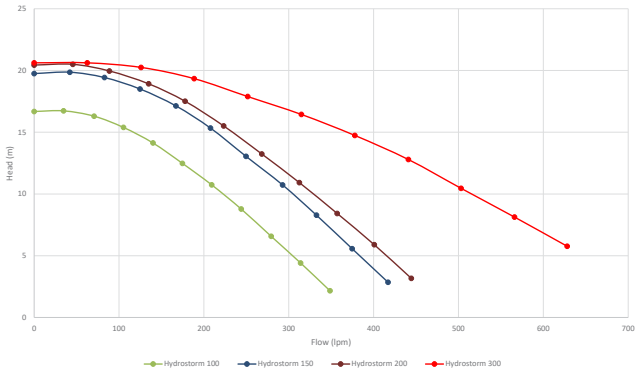
- 2.1 L strainer basket.

Technical Specifications

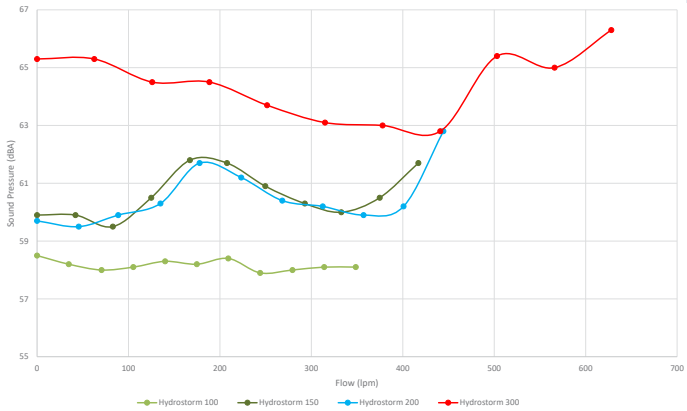
Model	Flow Rate (lpm)		Nom. hp	kW	Amps	Phase	Total Length (mm)	Motor Frame (mm)	Inlet/Outlet
	8m	10m							
Hydrostorm 100	250	225	1.0	0.870	3.8	1	622	71	50mm ports x / 50mm unions
Hydrostorm 150	350	315	1.5	1.310	5.4	1	642	80	
Hydrostorm 200	370	350	2.0	1.425	6.1	1	642	80	
Hydrostorm 300	540	510	3.0	2.160	10.0	1	682	75	

Phase	Volts	Cycle	RPM
1	220-240	50	2860

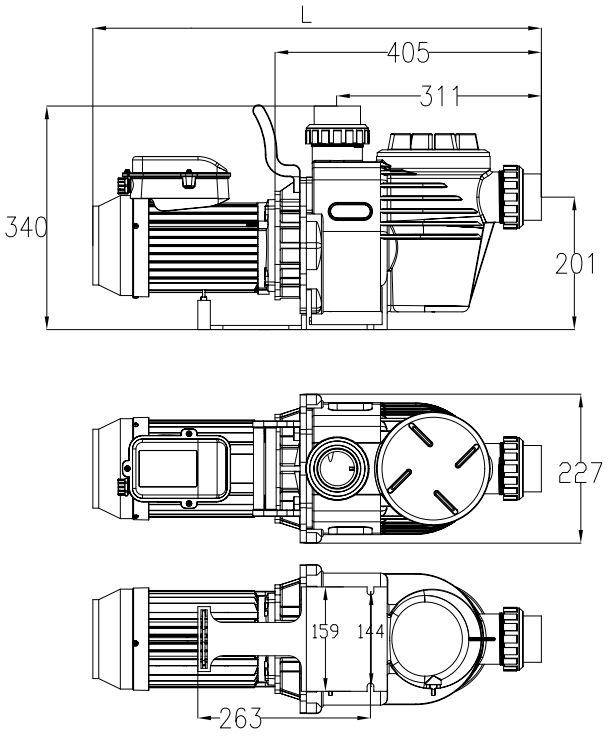
Flow Curves



Noise Levels



Dimension (mm)



Pump



HYDROSTORM PLUS GEN 2 - High Head

Part Number	Product Description	Nominal Size
2405100	Hydrostorm Plus 100 - 50mm ports (1 phase)	1.00hp
2405150	Hydrostorm Plus 150 - 50mm ports (1 phase)	1.50hp
2405200	Hydrostorm Plus 200 - 50mm ports (1 phase)	2.00hp
2405250	Hydrostorm Plus 250 - 50mm ports (1 phase)	2.50hp
2405300	Hydrostorm Plus 300 - 65mm ports (1 phase)	3.00hp
24053003	Hydrostorm Plus 300 - 65mm ports (3 phase)	3.00hp

Accessories

634086	Waterco Universal Pump Lid Tool Bar

PUMP PROTECTION BRACKET

The Hydrostorm plus has all the proven features of the Hydrostorm with the addition of an innovative lid & lock ring for easier maintenance and a larger strainer basket for increased capacity.

- 2.25 L strainer basket.

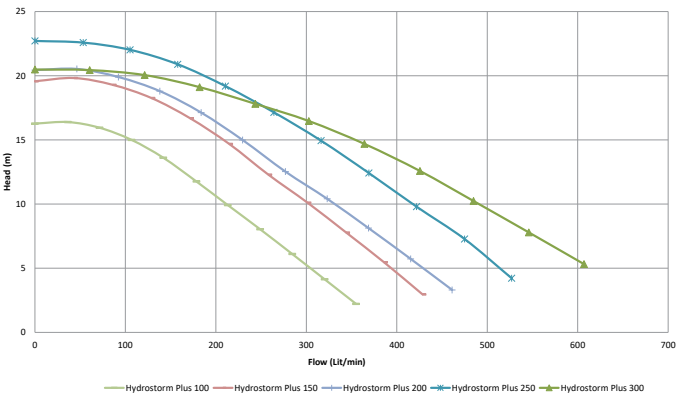
Phase	Volts	Cycle	RPM
1	220-240	50	2860

Technical Specifications

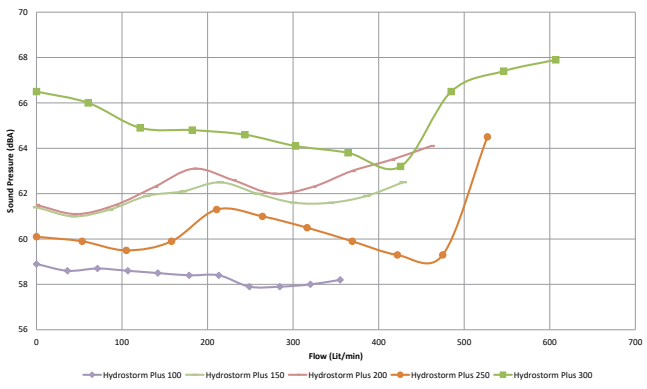
Model	Flow Rate (lpm)		kW	Nominal HP	Amp	Phase	Total Length (mm)	Motor Frame (mm)	Inlet/Outlet
	8m	10m							
Hydrostorm Plus 100	225	210	1.0	0.910	4.0	1	652	72	50mm ports x/ 50mm unions
Hydrostorm Plus 150	320	300	1.5	1.380	5.7	1	672	75	
Hydrostorm Plus 200	350	330	2.0	1.402	6.1	1	672	75	
Hydrostorm Plus 250	470	440	1.750	2.5	8.0	1	712	80	
Hydrostorm Plus 300	540	500	2.007	3.0	8.8	1	730	90	65mm ports x/ 65/50mm unions
Hydrostorm Plus 300	540	500	2.200	3.0	4.1	3	742	90	

Please Note: Hydrostorm Plus 3 phase models are available on request. *15 Amp Power Lead Plug.

Flow Curves

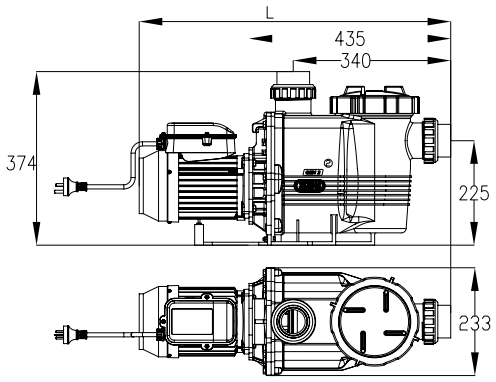


Noise Levels



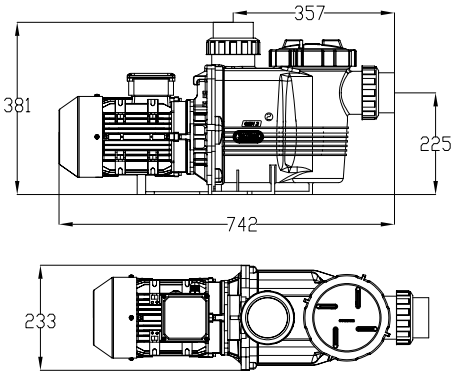
Dimension (mm)

Hydrostorm Plus 100 - 300 (single-phase)



Dimension (mm)

Hydrostorm Plus 300 (three-phase)



Pump



HIGH FLOW

TURBOFLO

Part Number	Product Description	Nominal Size
2462100	TurboFlo 100 - 50mm ports (1 phase)	1.00hp
2462150	TurboFlo 150 - 50mm ports (1 phase)	1.50hp
2462200	TurboFlo 200 - 50mm ports (1 phase)	2.00hp
2462250	TurboFlo 250 - 50mm ports (1 phase)	2.50hp
24622503	TurboFlo 250 - 50mm ports (3 phase)	2.50hp
2462300	TurboFlo 300 - 50mm ports (1 phase)	3.00hp
24623003	TurboFlo 300 - 50mm ports (3 phase)	3.00hp
2462400	TurboFlo 400 - 50mm ports (3 phase)	4.00hp

*60 Hz pumps available on certain models, please contact our friendly sales staff.

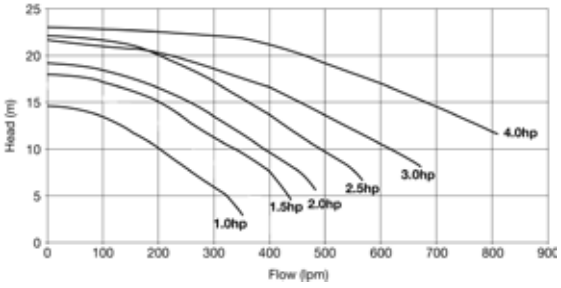
TurboFlo is a hydraulically efficient, high performance pump designed for pools and spas with high power requirements. It has an adjustable wet end which can be configured to suit up to 5 different plumbing conditions.

Technical Specifications

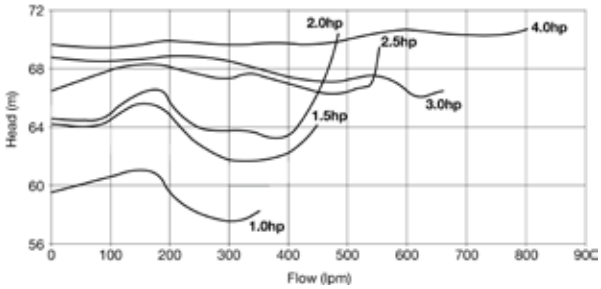
Model	Nom. HP (hp)	Motor Input (kW)	Amps/ Phase	Phase	Total Length (mm)	Motor Frame (mm)	Weight (kg)
Turboflo 100	1.0	0.940	4.1	1	445	71	10.4
Turboflo 150	1.5	1.400	5.9	1	445	80	13.4
Turboflo 200	2.0	1.414	6.3	1	445	80	13.4
Turboflo 250	2.5	1.700	8.2	1	445	80	14.6
Turboflo 300	3.0	2.480	9.1	1	483	90	16.9
Turboflo 400	4.0	3.060	5.9	3	508	100	20.2

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

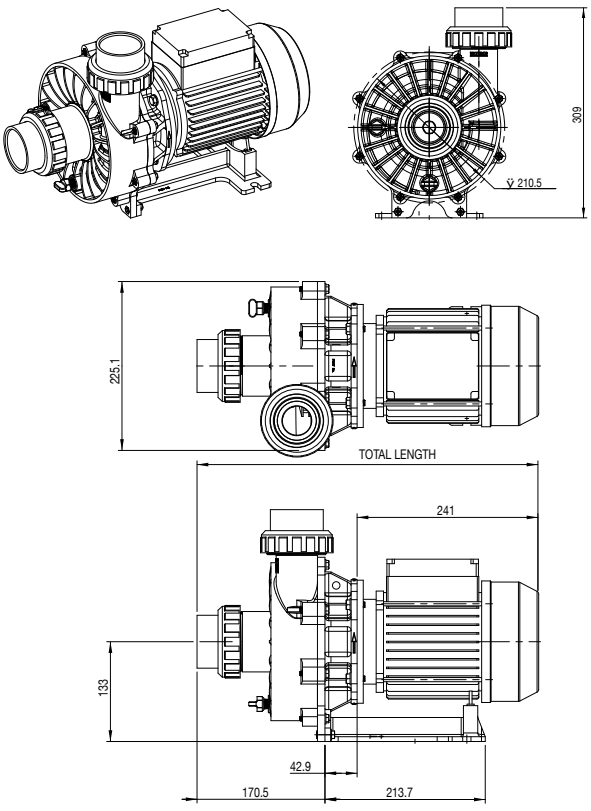
Flow Curves



Noise Levels



Dimension (mm)



Pumps



ALPHAFLO

Part Number	Product Description	Nominal Size
248075	Alphaflo 075 - 40/50mm ports (1 phase)	0.75hp
248100	Alphaflo 100 - 40/50mm ports (1 phase)	1.00hp
248150	Alphaflo 150 - 40/50mm ports (1 phase)	1.50hp
248200	Alphaflo 200 - 40/50mm ports (1 phase)	2.00hp

UNIQUE MOTOR PROTECTION DESIGN

The New Alphaflo pool pump is equipped with a newly designed impeller and diffuser that improves water flow and reduces head loss. The pump body has also been specially designed to improve water flow and pump operating noise by reducing water turbulence. Plus a new heavy-duty pump bracket, which helps in absorbing motor vibration.

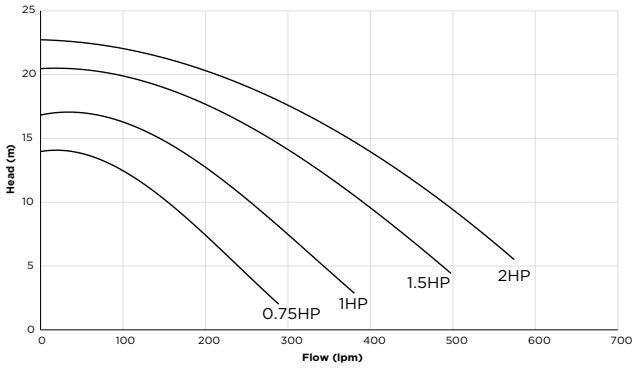
- Excellent Head & Flow capabilities.

Technical Specifications

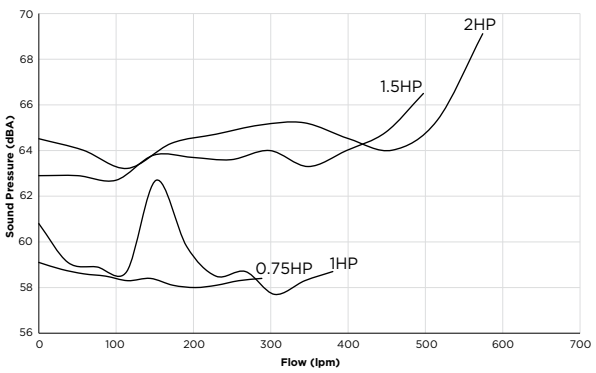
Model	Flow Rate (lpm)		Nom. hp	kW	Amps	Phase	Total Length (mm)	Motor Frame (mm)	Inlet/Outlet
	8m	10m							
Alphaflo 075	195	157	0.75	0.73	3.3	1	626	71	50mm ports x / 40/ 50mm unions
Alphaflo 100	295	258	1.0	1.06	4.7	1	626	71	50mm ports x / 40/ 50mm unions
Alphaflo 150	430	390	1.5	1.61	6.9	1	645	80	50mm ports x / 40/ 50mm unions
Alphaflo 200	530	490	2.0	2.05	9.0	1	685	80	50mm ports x / 40/ 50mm unions

Phase	Volts	Cycle	RPM
1	220-240	50	2860

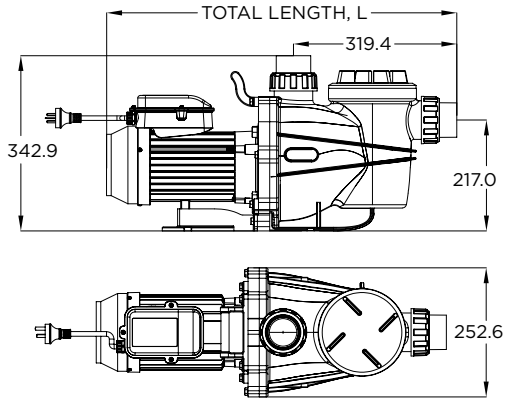
Flow Curves



Noise Levels



Dimension (mm)



Hot Spring Series Pumps



HYDROSTORM PLUS GEN 2 **HOT SPRING PUMPS** - High Head

Part Number	Product Description	Nominal Size
2405100HS	Hydrostorm Plus 100 - Hot Spring - 65mm port x 65/50mm unions (1 phase)	1.00hp
2405200HS	Hydrostorm Plus 200 - Hot Spring - 65mm port x 65/50mm unions (1 phase)	2.00hp
24053003HS	Hydrostorm Plus 300 - Hot Spring - 65mm port x 65/50mm unions (3phase)	3.00hp

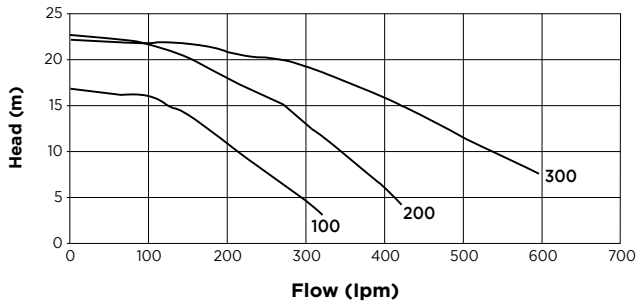
Hydrostorm Plus Hot Spring Pump features the proven Hydrostorm design with an improved lid and lock ring for easier maintenance, along with a larger 2.25 L strainer basket for higher capacity. Built with heat-resistant engineering plastic, it can **handle temperatures up to 70°C**, making it suitable for **hot springs, massage spas, and other hot-water transfer systems**. It also includes a **CPVC quick-connect union** for convenient installation.

Technical Specifications

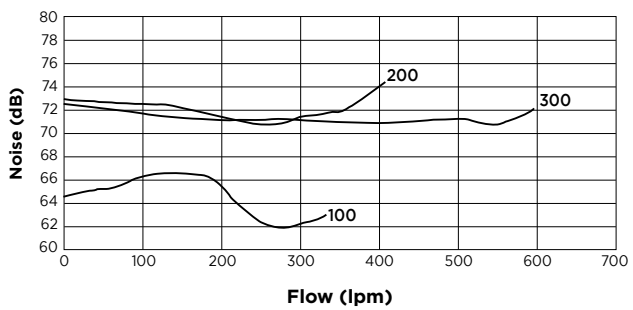
Model	Nominal HP	kW	Amp	Voltage	Weight (kg)	Total Length (mm)	Motor Frame (mm)	Inlet/Outlet
Hydrostorm Plus 100 - Hot Spring	1.0	0.91	4.0	220-240	18	631	71	65mm ports x 65/50mm unions
Hydrostorm Plus 200 - Hot Spring	2.0	1.46	5.9	220-240	20	678	80	
Hydrostorm Plus 300 - Hot Spring	3.0	2.20	4.1	380-415	25	730	90	

**Seawater application mechanical seal for salinity up to 50000ppm or 5% salinity*

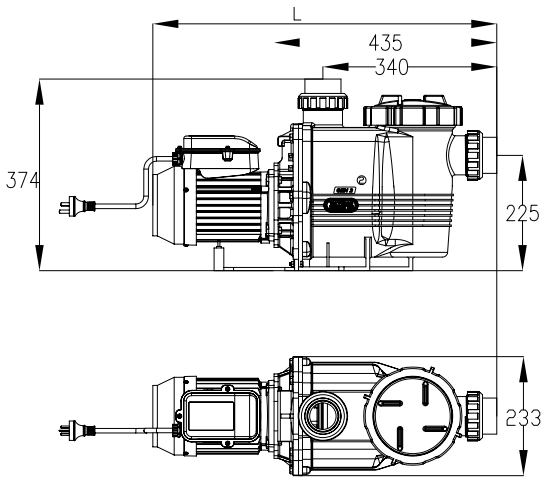
Flow Curves



Noise Levels



Dimension (mm)



Variable Speed Pumps



HYDROSTORM ECO-V GEN 2

Part Number	Product Description	Nominal Size
2441009	Hydrostorm ECO-V 100 - 50mm ports (1 phase)	1.00hp
2441509	Hydrostorm ECO-V 150 - 50mm ports (1 phase)	1.50hp
2443009	Hydrostorm ECO-V 300 - 50mm ports (1 phase)	3.00hp

Hydrostorm ECO-V pumps are designed to have all the extra power you need to cope with modern day swimming pool designs, but is equipped with an energy saving variable speed motor that offers the finest adjustment in operating speed with 25 RPM increments, allowing fine tuning of the pump's motor speed to perfectly match the flow requirements of the swimming pool, maximising energy savings and minimising pump noise

- Energy Rating of 8 Stars.
- Variable permanent magnet brushless DC motor.
- Ultra quiet operation.

Technical Specifications

Model	Length	Height	Width	Packaged Weight	Inlet/Outlet	Strainer Basket
	mm	mm	mm	kg	mm	lt
ECO-V 100	650	340	227	12	50	2.1

ECO-V speed (1475rpm)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
1.8	142	0.16	1.2	56.5
2.3	127	0.16	1.2	55.8
2.8	115	0.16	1.2	56.3

ECO speed (1900rpm)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
4.7	145	0.30	2.3	56.1
5.5	129	0.30	2.3	55.7
6.3	107	0.28	2.2	55.9

Medium speed (2410rpm)

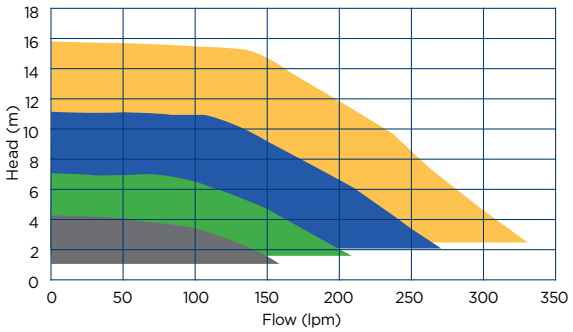
Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
5.3	220	0.53	4.1	58.7
7.0	193	0.54	4.1	59
9.9	135	0.52	3.9	61.5

High speed (2850rpm)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
7.3	264	0.86	6.6	62.3
11.8	201	0.87	6.6	62
15.2	134	0.79	6.0	62.1

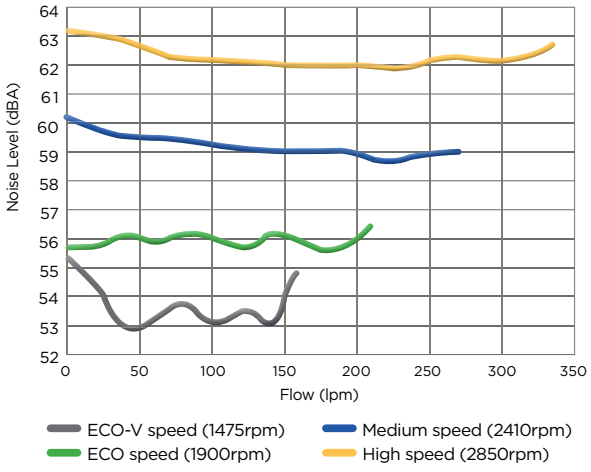
Flow Curves

Hydrostorm ECO-V 100 Performance Curves



Noise Levels

Hydrostorm ECO-V 100 Noise Levels



Variable Speed Pumps

Technical Specifications

Model	Length	Height	Width	Packaged Weight	Inlet/Outlet	Strainer Basket
	mm	mm	mm	kg	mm	lt
ECO-V 150	771	340	227	14	50	2.1

ECO-V speed (1300rpm)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
1.7	150	0.16	1.4	55.7
2.2	131	0.16	1.4	56.0
2.6	118	0.16	1.4	55.6

ECO speed (1900rpm)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
3.0	246	0.42	3.2	58.7
4.2	216	0.42	3.2	59.0
5.5	185	0.42	3.2	61.5

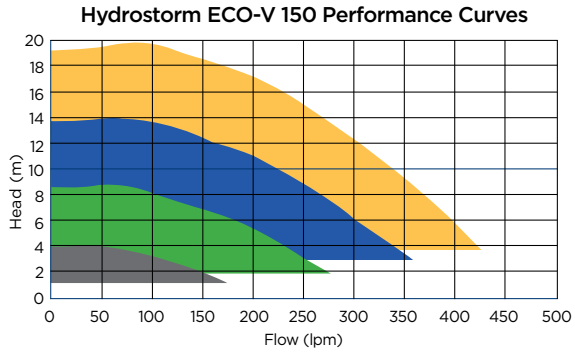
Medium speed (2410rpm)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
5.2	309	0.78	5.5	69.7
6.9	280	0.78	5.5	71.4
8.8	240	0.78	5.5	71.5

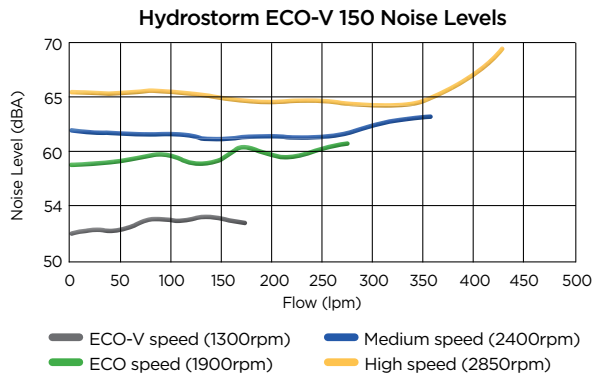
High speed (2850rpm)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
6.4	375	1.25	8.5	78.3
9.5	336	1.26	8.6	77.3
12.3	290	1.26	8.6	76.3

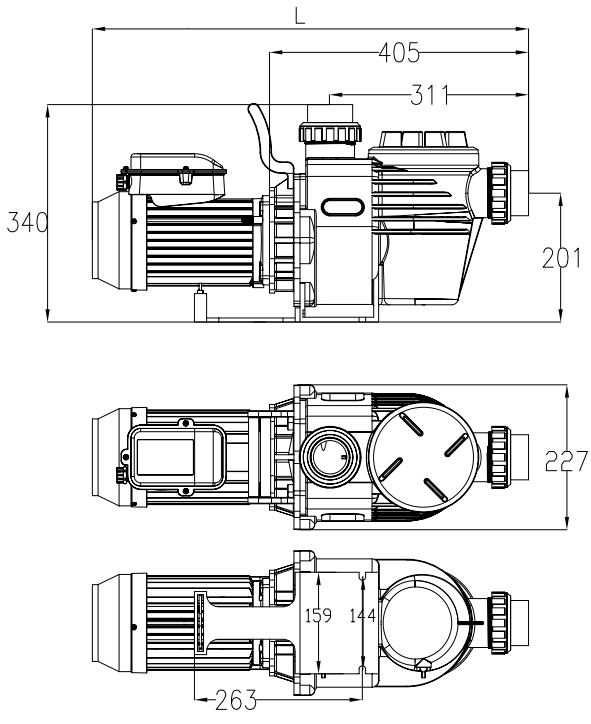
Flow Curves



Noise Levels



Dimension (mm)



Variable Speed Pumps



HYDROSTORM 300 ECO-V

Variable Speed

Hydrostorm ECO-V 300 has 3 factory set speed options 50% (1725 RPM), 80% (2760 RPM) and 100% (3450 RPM) but with the additional advantage of fine adjustment in operating speed with 5 RPM incremens. The fine-tuning of the pump's motor speed to match the flow requirements of the swimming pool allows maximized energy savings and minizing pump noise.



Multiple Operation Cycles

Hydrostorm ECO-V 300 allows for up to 4 cycle operations to be activated via its interactive display. This provides flexibility to vary the pump's speed at different times of the week.



Technical Specifications

Model	Length	Height	Width	Packaged Weight	Inlet/Outlet	Strainer Basket
	mm	mm	mm	kg	mm	lt
ECO-V 300	664	340	258	22	50	2.1

50% (1725 RPM)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
5.6	170	0.14	1.7	67.4
6.4	103	0.36	1.6	67.2
6.6	34	0.31	1.4	66.8

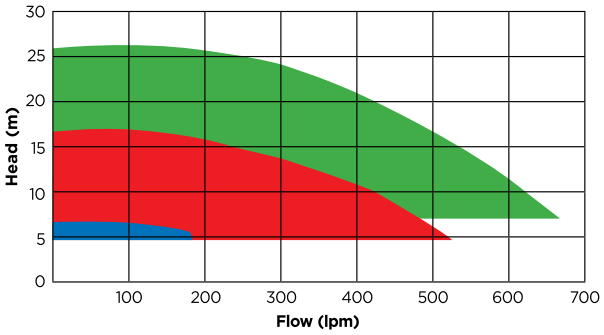
80% (2760 RPM)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
4.8	526	1.49	6.4	70.3
13.5	315	1.40	6.0	71.1
16.9	105	1.05	4.5	70.6

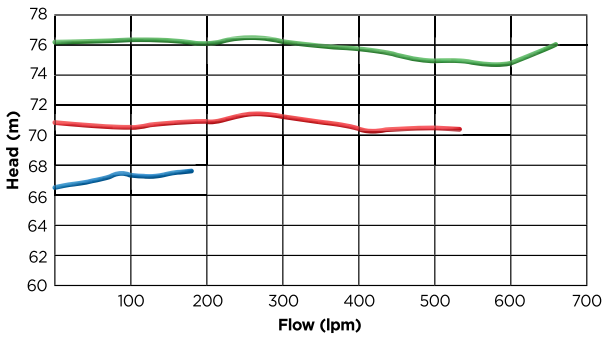
100% (3450 RPM)

Pump Total Head (m)	Flow Rate (lpm)	Motor Input (kW)	Amps	Noise Level (dBA)
7.2	662	2.83	12.4	76
21.2	397	2.65	11.4	75.7
26.4	132	1.92	8.3	76.3

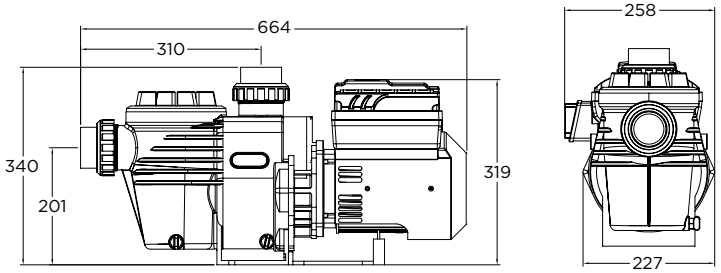
Flow Curves



Noise Levels



Dimension (mm)



Variable Speed Pumps



ALPHAFLO ECO-V

Part Number	Product Description	Nominal Size
2481009	Alphaflo ECO-V 100 - 40/50mm ports (1 phase)	1.00hp
2481509	Alphaflo ECO-V 150 - 40/50mm ports (1 phase)	1.50hp

The New Alphaflo pool pump is equipped with a newly designed impeller and diffuser that improves water flow and reduces head loss. The pump body has also been specially designed to improve water flow and pump operating noise by reducing water turbulence. Plus a new heavy-duty pump bracket, which helps in absorbing motor vibration.

It is also equipped with an energy-saving variable speed motor that offers the finest adjustment in operating speed with 25 RPM increments, allowing fine-tuning of the pump's motor speed to perfectly match the flow requirements of the swimming pool, maximising energy savings.

- Energy Rating of 5.5 Stars*
- Excellent Head & Flow capabilities

** Alphaflo ECO-V 100 5 Star & Aplhaflo ECO-V 150 5.5 Star energy ratings.*

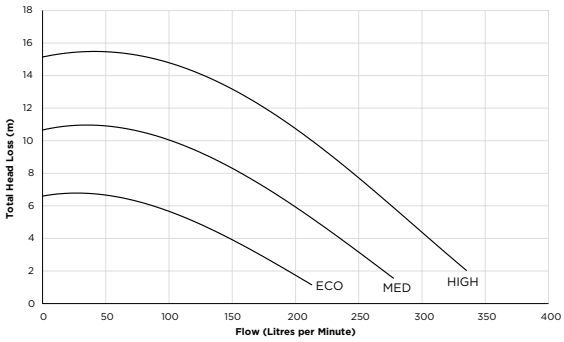
CLIMATE CARE CERTIFIED

UNIQUE MOTOR PROTECTION DESIGN

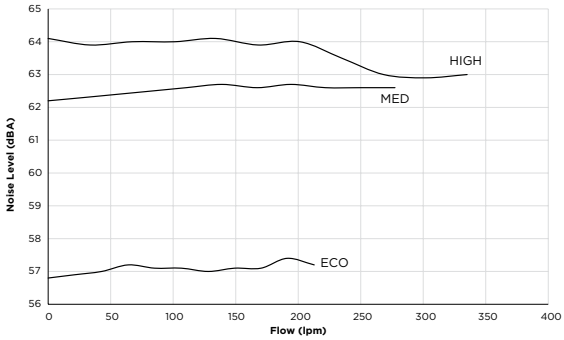
SAVE ENERGY

SAVE MONEY

Flow Curves — Alphaflo ECO-V 100

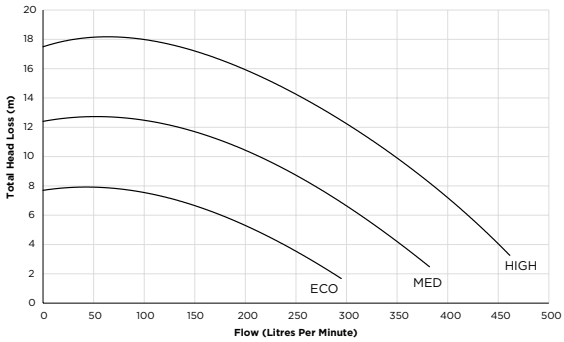


Noise Levels — Alphaflo ECO-V 100

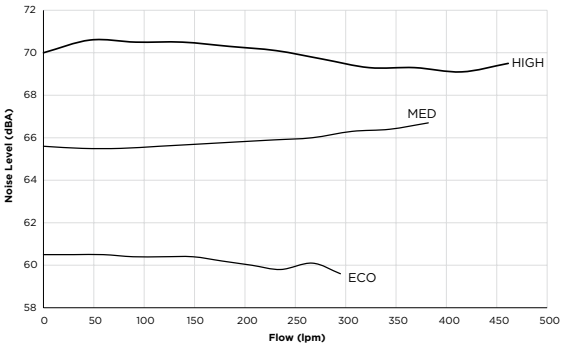


ECO speed (1900rpm)
Medium speed (2410rpm)
High speed (2850rpm)

Flow Curves — Alphaflo ECO-V 150



Noise Levels — Alphaflo ECO-V 150

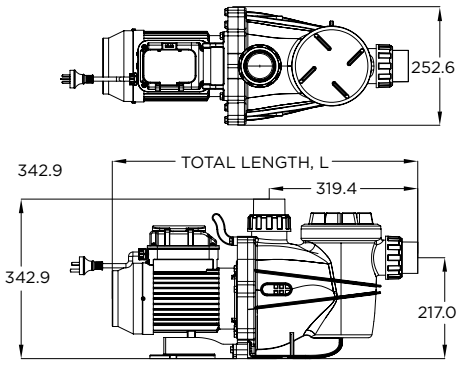


ECO speed (1900rpm)
Medium speed (2400rpm)
High speed (2850rpm)

Specifications

Model	Length	Height	Width	Packaged Weight	Inlet/ Outlet	Strainer Basket
	mm	mm	mm	kg	mm	L
ECO-V 100	657	343	253	14	50	2.1
ECO-V 150	657	343	253	15.5	50	2.1

Dimension (mm)



Commercial Pumps



HYDROSTAR MKIV

Part Number	Product Description	Nominal Size
2404200	Hydrostar 200 - 65mm ports x 50mm unions (1 phase)	2.0hp
2404200333	Hydrostar 200 MKIV - 65mm ports x 50mm unions (3 phase)	2.0hp
2404300	Hydrostar 300 - 65mm ports (1 phase)	3.0hp
24043008	Hydrostar 300 - 80mm ports (1 phase)	3.0hp
2404300333	Hydrostar 300 MKIV - 65mm ports (3 phase)	3.0hp
240430083	Hydrostar 300 - 80mm ports (3 phase)	3.0hp
24044003339	Hydrostar 400 MKIV - 80mm ports (3 phase)	4.0hp
2404550333	Hydrostar 550 MKIV - 80mm ports (3 phase)	5.5hp
2404700333	Hydrostar 700 MKIV - 80mm ports (3 phase)	7.0hp
*60 Hz pumps available on certain models, please contact our friendly sales staff.		

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.

Material

Motor Bracket : GF Polypropylene
Pump Bracket : GF Polypropylene
Pump Body O Ring : NBR
Seal Assembly : Alumina Ceramic/SS316/Carbon (Silicon Carbide optional)
Impeller : GF Noryl
Diffuser : GF Polypropylene
Pump Body : GF Polypropylene
Strainer Basket : Polypropylene
Strainer Lid : Polycarbonate
Lock Ring : GF Noryl

Technical Specifications

Model	Input Power		Amp/ Phase	Weight	Total Length	Phase	Motor Frame	Inlet/Outlet
	kW	HP		kg	mm		mm	
Hydrostar 200 MK4	1.408	2.0	2.8	24	777	3	80	65mm ports x 50mm unions
Hydrostar 300 MK4	2.039	3.0	4.2	28	822	3	90	
Hydrostar 400 MK4	2.975	4.0	5.8	41	846	3	90	80mm ports x 80mm unions
Hydrostar 550 MK4	4.264	5.7	8.1	50	867	3	112	
Hydrostar 700 MK4	5.398	7.2	10.3	54	929	3	112	

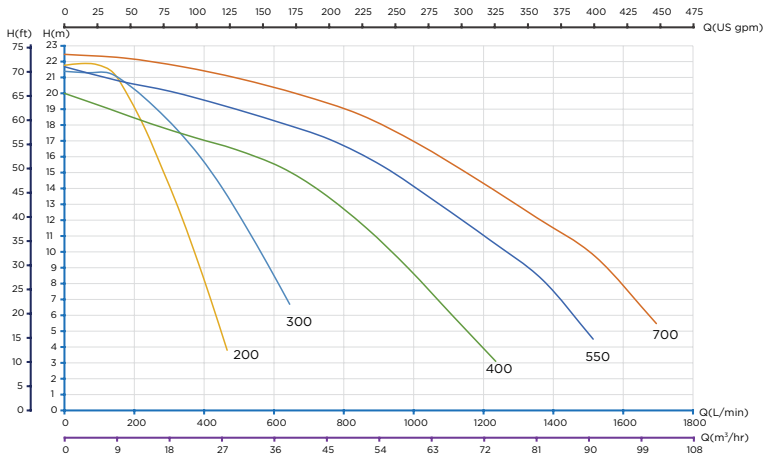
Phase	Volts	Cycle	Pump Rating
3	380-415	50	IP X5

DID YOU KNOW?

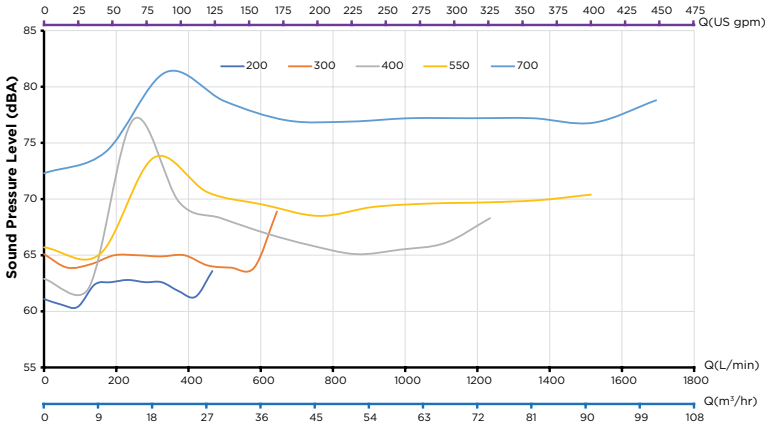
Did you know? Pumps have been used for thousands of years. One of the earliest pumps was the Archimedes' screw, invented by Archimedes around 250 BC to move water for irrigation.

Commercial Pumps

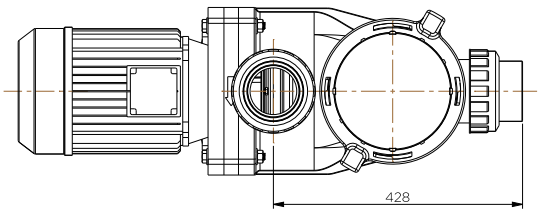
Flow Curves

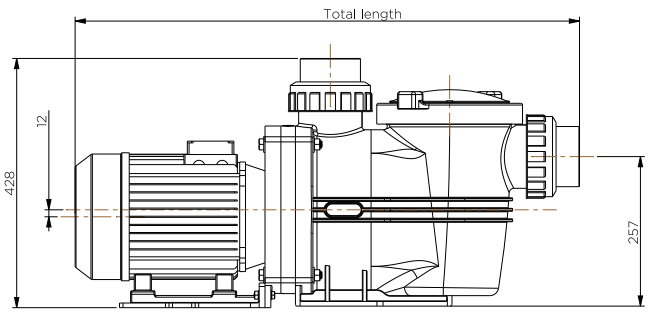


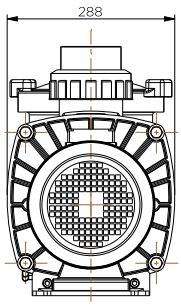
Noise Levels



Dimension (mm)







Commercial Pumps



HYDROSTAR PLUS

Part Number	Product Description	Nominal Size
2460750	Hydrostar PLUS 5.5 kW	7.5hp / 5.5kw
2461000	Hydrostar PLUS 7.5 kW	10.0hp / 7.5kw
2461250	Hydrostar PLUS 9.5 kW	12.5hp / 9.5kw
2461500	Hydrostar PLUS 11 kW	15.0hp / 11kw
12161002	Hydrostar Plus Flange Kit	
*60 Hz pumps available on certain models, please contact our friendly sales staff.		

The Hydrostar Plus pump is a high-performance, corrosion-resistant thermoplastic pump designed for **aquatic facilities, water parks, and large commercial swimming pools.** It features a **6-inch flanged inlet** and **4-inch flanged outlet** for high water flow.

Its main body is made from **injection-moulded glass-reinforced thermoplastic**, forming a **seamless one-piece structure** without welds or seams that could corrode. The material is **rust-proof, corrosion-resistant, and durable against pool treatment chemicals.** The pump also includes a **clear polycarbonate lid**, allowing quick viewing of the **16-litre strainer basket.**

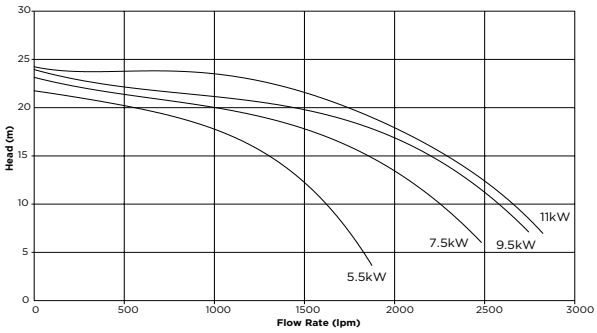
Material

Motor Bracket	:	GF Polypropylene
Pump Bracket	:	GF Polypropylene
Pump Body O Ring	:	NBR
Seal Assembly	:	Alumina Ceramic/SS316/Carbon (Silicon Carbide optional)
Impeller	:	GF Noryl
Diffuser	:	GF Polypropylene
Pump Body	:	GF Polypropylene
Strainer Basket	:	Polypropylene
Strainer Lid	:	Polycarbonate
Lock Ring	:	GF Noryl

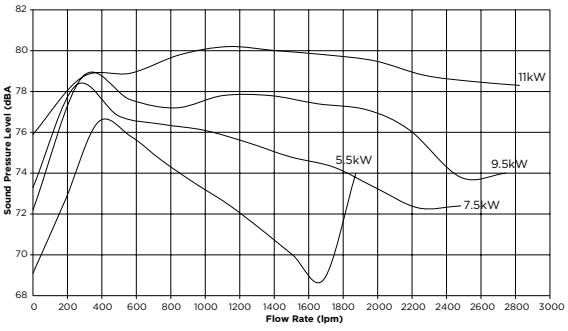
Technical Specifications

Model	Motor Input	Nominal Power	Amps	Phase	Volts	Weight	Total Length	Motor Frame	Pump Rating	RPM
	kW	HP				kg	mm			
Hydrostar Plus 5.5kW	5.789	7.8	10.4	3	380 - 415	73	1190	132	IPX5	2930
Hydrostar Plus 7.5kW	8.259	11.1	14.6	3	380 - 415	75	1190	132	IPX5	2940
Hydrostar Plus 9.5kW	9.907	13.3	17.7	3	380 - 415	91	1218	132	IPX5	2960
Hydrostar Plus 11kW	11.442	15.3	20.25	3	380 - 415	92	1218	132	IPX5	2940

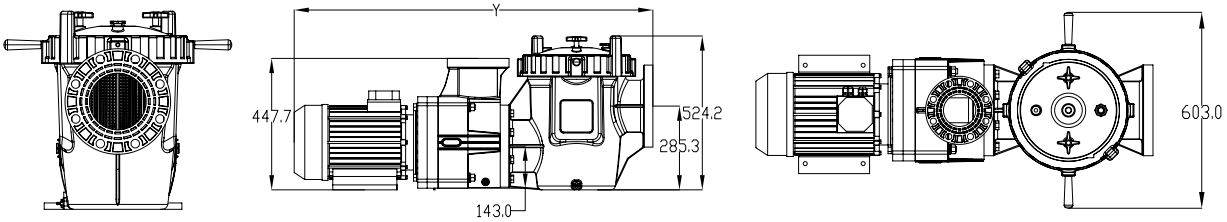
Flow Curves



Noise Levels



Dimension (mm)



Commercial Pumps



HYDROSTAR PLUS 1450

Part Number	Product Description	Nominal Size
2470500	Hydrostar PLUS 1450 3.7 kW	5HP / 3.7kW
2470750	Hydrostar PLUS 1450 5.5 kW	7.5HP / 5.5kW
2471000	Hydrostar PLUS 1450 7.5 kW	10HP / 7.5kW
2470501	Hydrostar PLUS 1450 3.7 kW w/o Strainer	5HP / 3.7kW
2470751	Hydrostar PLUS 1450 5.5 kW w/o Strainer	7.5HP / 5.5kW
2471001	Hydrostar PLUS 1450 7.5 kW w/o Strainer	10HP / 7.5kW
12161002	Hydrostar Plus Flange Kits	

Hydrostar Plus 1450 pumps are high-performance corrosion-resistant thermoplastic pumps equipped with a 6" flanged inlet port and 4" flanged outlet port. The pump's 4 pole motor runs at 1450 rpm making them ideal for high water flow applications such as aquatic facilities, water parks and large commercial applications.

Hydrostar Plus 1450 pump's main body is constructed from an injection moulded glass reinforced thermoplastic. Glass reinforced thermoplastic possesses superior mechanical and chemical resistance to steel.

Material

Motor Bracket : GF Polypropylene
Pump Bracket : GF Polypropylene
Pump Body O Ring : NBR
Seal Assembly : Alumina Ceramic/SS316/Carbon (Silicon Carbide optional)
Impeller : GF Noryl
Diffuser : GF Polypropylene
Pump Body : GF Polypropylene
Strainer Basket : Polypropylene
Strainer Lid : Polycarbonate
Lock Ring : GF Noryl

Technical Specifications

Model	Pump Input Power		Amp/Phase	Qmax	Hmax	T. Length	Weight
	kW	HP	A	m^3/hr	m	mm	kg
Hydrostar Plus 1450 3.7kW	4.155	5.6	8.7	105.2	17.92	1236	89
Hydrostar Plus 1450 5.5kW	5.749	7.7	11.8	125.8	19.09	1274	96
Hydrostar Plus 1450 7.5kW	7.763	10.4	16.3	147.2	20.65	1340	112
Hydrostar Plus 1450 3.7kW w/o Strainer	4.150	5.6	8.8	107.6	18.03	729	73
Hydrostar Plus 1450 5.5kW w/o Strainer	5.645	7.6	11.6	129.5	19.28	767	80
Hydrostar Plus 1450 7.5kW w/o Strainer	7.857	10.5	16.3	152.3	20.99	833	96



SEA WATER MECHANICAL SEAL

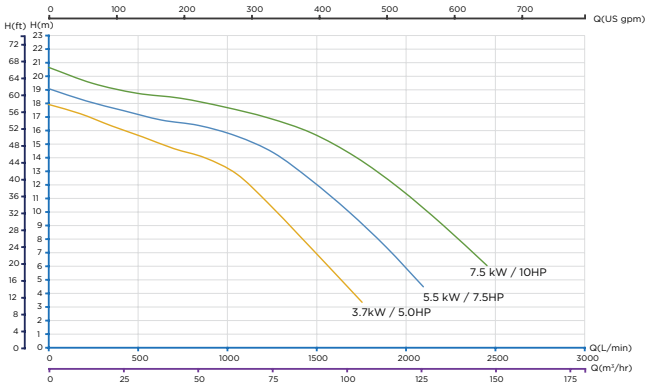
Part Number	Product Description
6340162	3/4" Standard Mech Seal
63401625	3/4" Marine Mech Seal
63401629	1" Standard Mech Seal (Hydrostar Plus 5.5 - 11kW)
63401624	1" Marine Mech Seal (Hydrostar Plus 5.5 - 11kW)

Did you know? Early cities relied heavily on large pumping stations to deliver clean water after the Great Stink of 1858, which pushed engineers to modernize water and sewage systems.

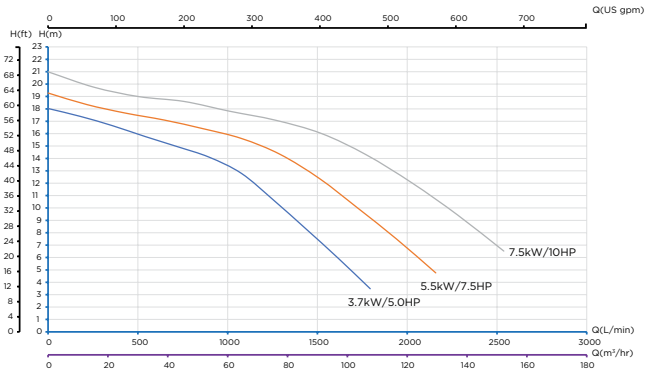
Commercial Pumps

Flow Curves

With Strainer

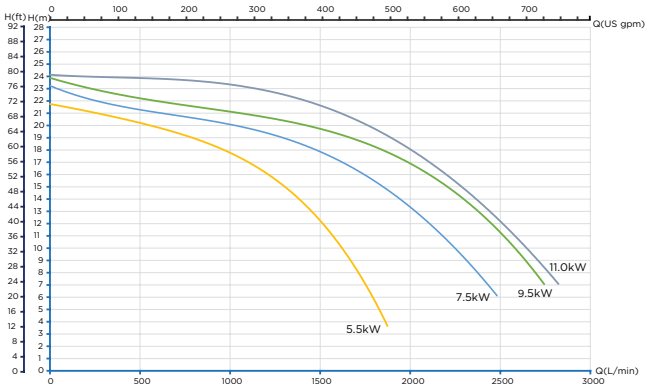


Without Strainer

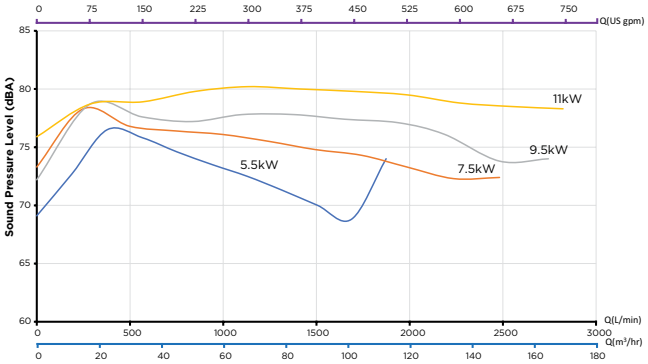


Noise Levels

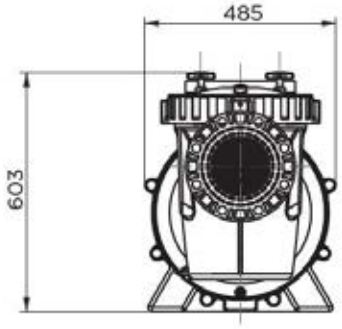
With Strainer

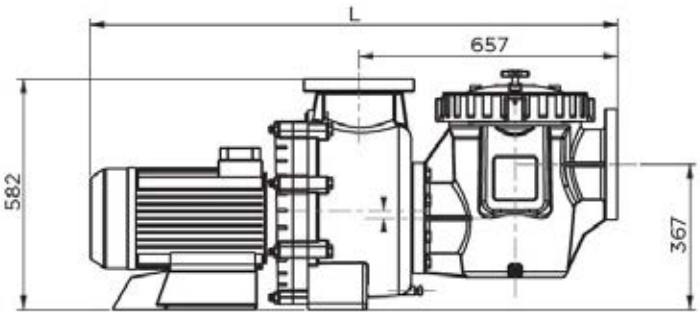


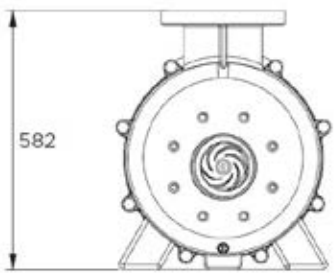
Without Strainer

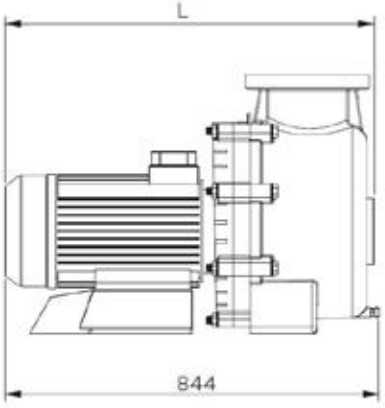


Dimension (mm)









Commercial Pumps

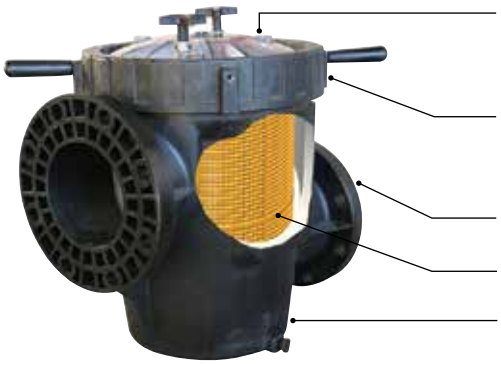


HYDRO5000 COMMERCIAL STRAINER

Part Number	Product Description	Nominal Size
2409058	Hydro5000 Commercial Strainer Suction 6" ANSI Flange/ Discharge 6" ANSI Flange	6"/6"
2409057	Hydro5000 Commercial Strainer Suction 4" JIS Flange/ Discharge 6" ANSI Flange	4"/6"
2409056	Hydro5000 Commercial Strainer Suction 4" Threaded/ Discharge 6" ANSI Flange	4"/6"
2408055	Hydro5000 Commercial Strainer Suction 6" ANSI Flange/ Discharge 4" JIS Flange	6"/4"
2408054	Hydro5000 Commercial Strainer Suction 4" Threaded/ Discharge 4" JIS Flange	4"/4"

The Hydro5000 Commercial Strainer is a corrosion-resistant thermoplastic strainer designed for aquatic facilities, water parks, and large commercial swimming pools. Its body is made from injection-moulded glass-reinforced thermoplastic in a seamless one-piece construction without welds or special linings that could corrode. Despite being strong and durable, it weighs less than one-third of comparable steel strainers.

Features



- Clear polycarbonate strainer lid enables an instant view of the strainer basket
- New lock ring with easy grip handles - for simple removal & replacement of the lid
- 6" Flanged Ports
- Moulded 16L polypropylene basket
- UV stabilised glass filled polypropylene housing

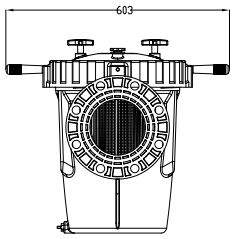
Technical data

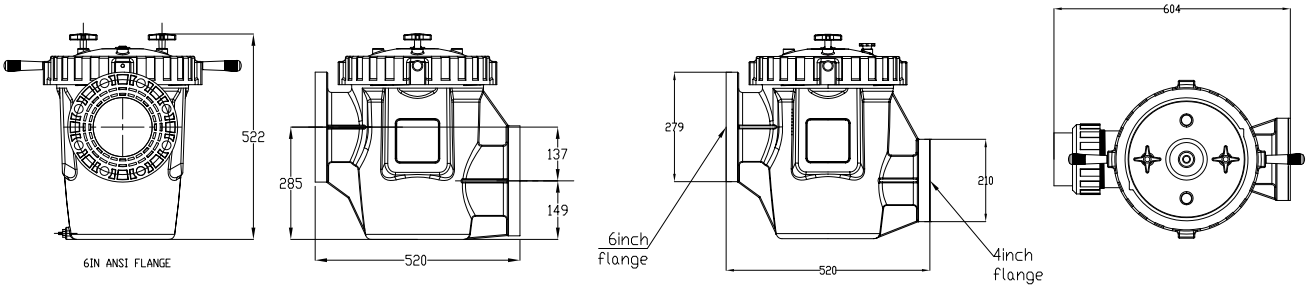
Maximum Flow Rate : 1260lpm (4" Suction)
2550lpm (6" Suction)
Maximum Working Pressure : 3.5Bar (50PSI)
Basket Area : 0.29m^2
Free Area : 0.19m^2

Construction Materials

Housing : Polypropylene (comply with NSF50)
Basket : Polypropylene (FDA-grade)
Lid : Polycarbonate

Dimension (mm)





AIR IN POOL HYDRAULIC SYSTEM?

First of all, where does air come from?

- Waterline is too near to the to the suction inlet.
- Poorly designed hydraulic.
- Leakage of rubber seals and pipe connection, loose union connection...etc.

Out of all, pool hydraulic is the most dangerous of all as it is often overlooked. Many plumbers tend to undersize piping at their convenience, and incorporate lots of unnecessary bends and tee-offs. Operators, on the other hand, are not aware of the ramifications of poor hydraulic as this issue is not as pronounced as other factors.

Airlock

As the liquid is pumped, entrained air will bubble up to the high points in the piping system. As a consequence, it is possible for a pocket of air to be collected at these high points and gradually reduces the effective liquid flow area, which may create a throttling effect similar to a partially closed valve. Also, sudden compression of these air pockets can set up severe shock waves when released, with the potential for serious equipment damage.

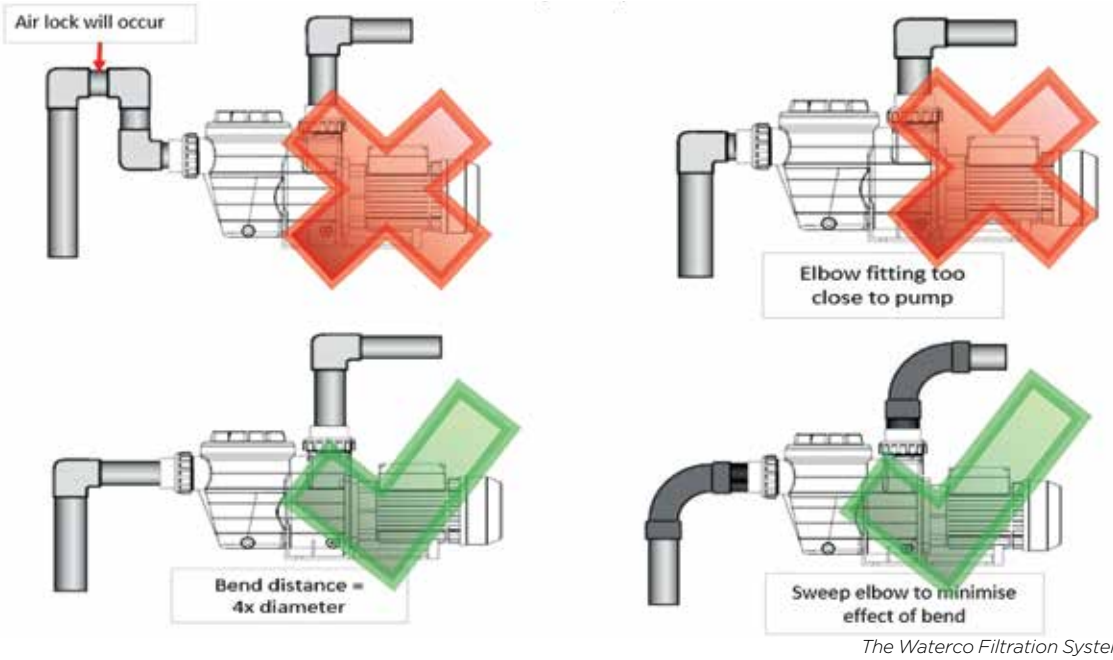
Cavitation

Pump cavitation is a destructive issue that can befall even the highest-quality pumping equipment. Often the pump itself is unfairly blamed. Cavitation occurs when air bubbles are generated due to insufficient pressure at suction end, or in technical term, insufficient Net Positive Suction Head available (NPSHa). As the liquid passes from the suction side of the impeller to the delivery side, the bubbles implode and hit the impeller.

Rules of Thumb for Good Hydraulics

- Avoid unnecessary bends especially at pump suction.
- Avoid immediate bend at pump inlet & outlet (recommended to put elbow at a distance 4 times of pipe diameter).
- Keep similar pipe size throughout plumbing system; recommended to upsize suction pipe if it is too long.
- If there are many inevitable bends in the system, try using sweep elbow – it can reduce up to 50% of head loss.

*You may refer to page 150 for product information of sweep elbow.



The Waterco Filtration System Complete Setup

WATERCO
water, the liquid of life

HYDROSTAR PLUS 1450



Hydrostar Plus 1450 pumps are high-performance equipped with a 4 pole motor running at 1450 rpm, making them ideal for high water flow applications such as aquatic facilities, water parks and large commercial swimming pools.





MULTICYCLONE

MultiCyclone 4---------- 42
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MultiCyclone 12 & 16 Ultra----------47
MultiCyclone DUO----------48
MultiCyclone Accessories & Consumables----------50
MultiCyclone 70XL----------51

MultiCyclone Centrifugal Filters



MULTICYCLONE 4

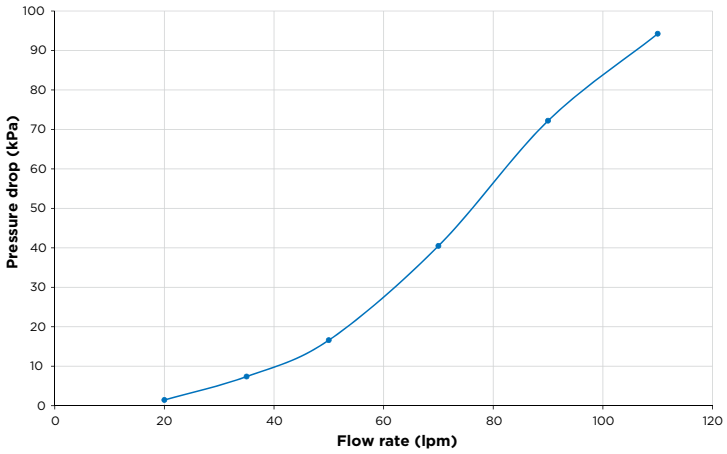
Part Number	Product Description	Nominal Size
200360	MultiCyclone 4	25mm

Specifications

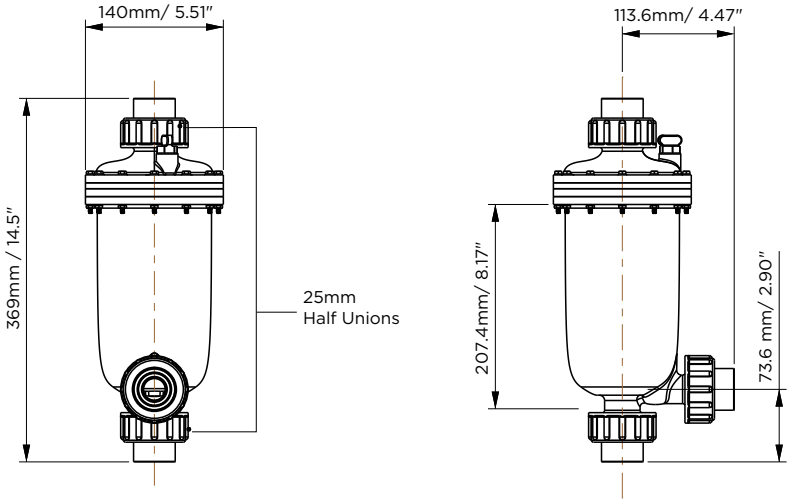
Model	Hydrocyclones	Connection Ports	Minimum Flow	Maximum Flow	Maximum Pressure
MultiCyclone 4	4	25mm / 1"	20lpm / 1.2m³/hr	110lpm / 6.6m³/hr	350kPa (50psi)

The Waterco MultiCyclone is an award-winning pre-filtration device that uses centrifugal water filtration to remove debris, with no moving parts or filter media to clean or replace. It reduces filter maintenance, saves water, and is suitable for both new and existing installations.

Pressure Drop Chart



Dimension (mm/in)



MultiCyclone Centrifugal Filters



CLIMATE CARE CERTIFIED

The Waterco MultiCyclone is an award-winning pre-filtration device that uses centrifugal water filtration to remove debris, with no moving parts or filter media to clean or replace. It reduces filter maintenance, saves water, and is suitable for both new and existing installations.

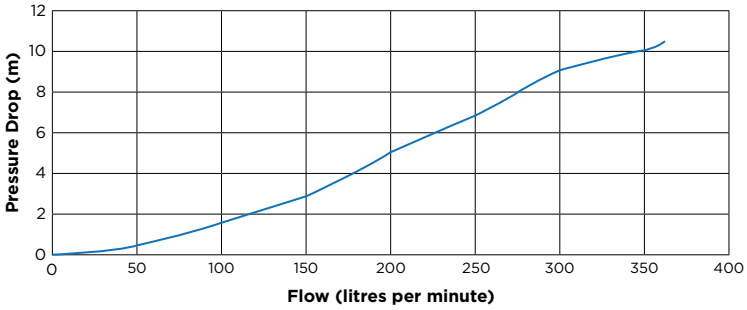
MULTICYCLONE 12

Part Number	Product Description	Nominal Size
200371	MultiCyclone 12	40mm

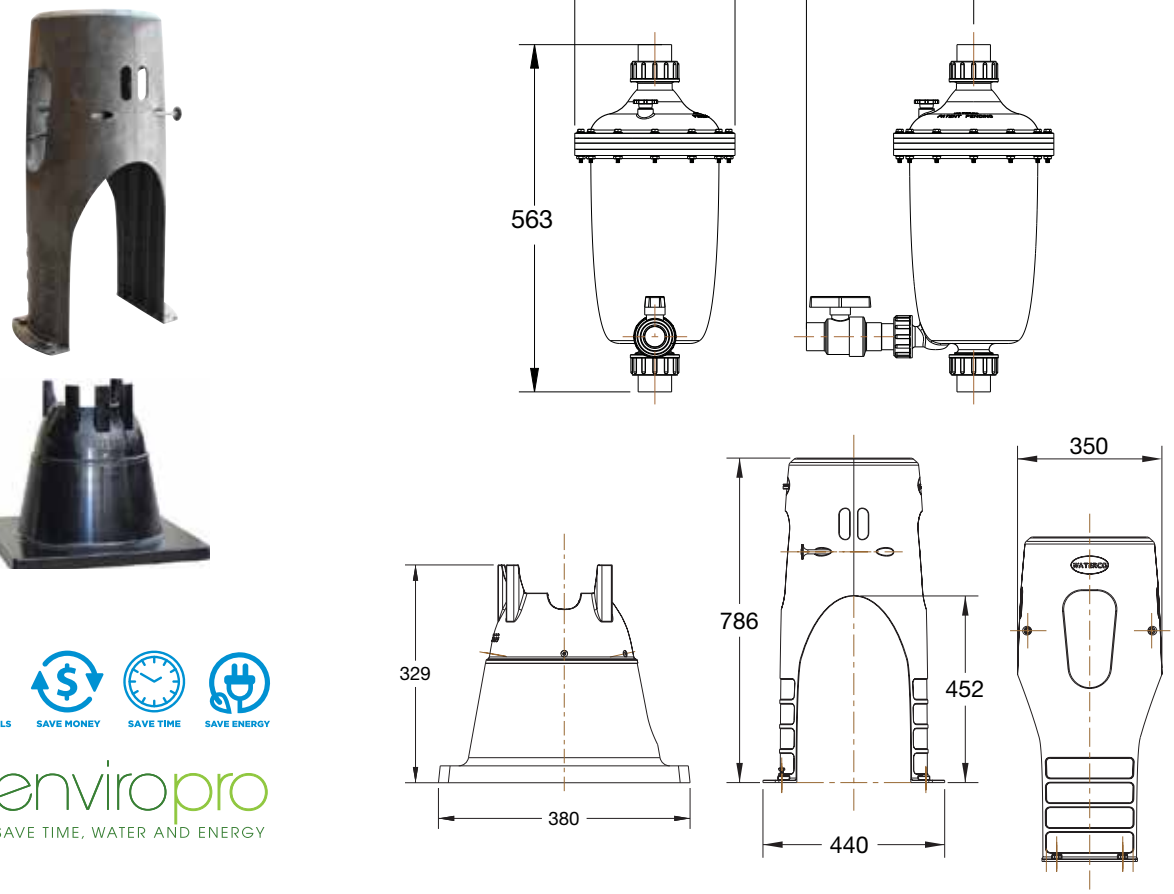
Specifications

Model	Hydrocyclones	Connection Ports	Minimum Flow	Maximum Flow	Maximum Pressure
MultiCyclone 12	12	40mm / 1 ½"	40lpm / 2.4m³/hr	300lpm / 18m³/hr	350kPa (50psi)

Head Loss



Dimension (mm)



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MultiCyclone Centrifugal Filters



CLIMATE CARE CERTIFIED

70 °C

MultiCyclone High Heat is fitted with CPVC unions to withstand maximum temperature up to 70 °C.



MultiCyclone Pump Stand



MultiCyclone Stand MKII

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MULTICYCLONE 16

Part Number	Product Description	Nominal Size
200370	MultiCyclone 16	50mm
200388	MultiCyclone High Heat	50mm

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.

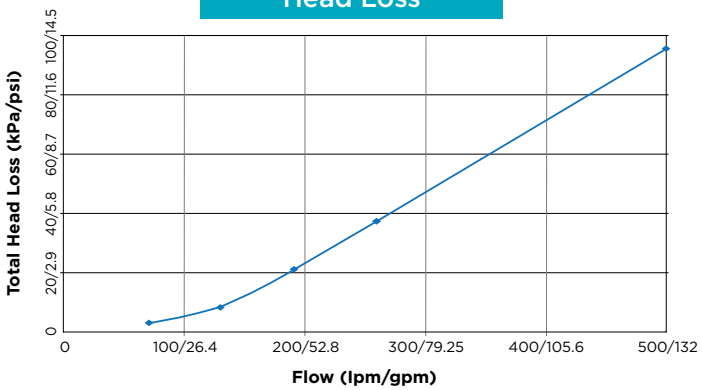
The MultiCyclone is easily cleaned by opening the valve. Only 15 litres of water is discharged to cleanse the MultiCyclone. MultiCyclone is easy to install and fits to most existing filtration systems. There are no moving parts to wear out and replace.



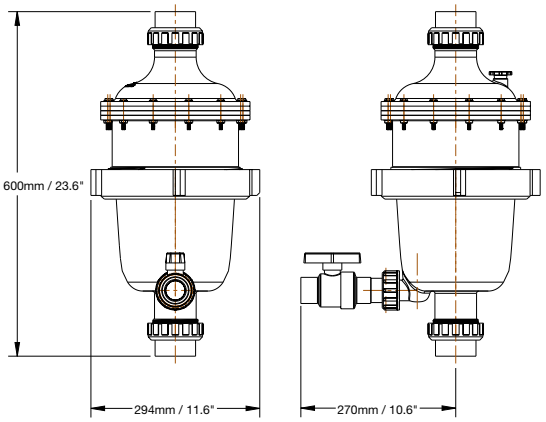
Specifications

Model	Hydrocyclones	Connection Ports	Minimum Flow	Maximum Flow	Maximum Pressure
MultiCyclone 16 / MultiCyclone High Heat	16	50mm / 2"	50lpm / 3m³/hr	500lpm / 30m³/hr	350kPa (50psi)

Head Loss



Dimension (mm/in)



MultiCyclone Centrifugal Filters



The **Waterco Multicyclone** is an award-winning pre-filtration device that uses centrifugal water filtration to remove debris from water. It is designed with no moving parts and does not require any filter media to clean or replace. The unit is suitable for commercial applications with a high-pressure rating of up to 690 kPa (100 PSI) and can be installed in both new and existing systems. It also helps reduce filter maintenance, saves water, and comes with a 2-year warranty.

MULTICYCLONE PRO

Part Number	Product Description	Nominal Size
200385	Multicyclone Pro (7 bar)	50mm

The MultiCyclone works on the basis of centrifugal water filtration. There are no moving parts to wear and tear, and no filter media to clean or replace.



i. Incoming water enters 16 hydro cyclones tangentially, generating a strong centrifugal effect.

ii. The sediment is spun out to the hydro cyclone's wall, and then spirals down to the sediment chamber*.

iii. The filtered water migrates towards the centre of the hydro cyclone where the flow reverses and spirals upwards through the outlet.

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

*Note: The MultiCyclone is designed to filter sediment that is heavier than water, floating debris cannot be filtered out by centrifugal filtration.

SAVE MONEY SAVE TIME

enviropro
SAVE TIME, WATER AND ENERGY

Maintenance

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



MultiCyclone Centrifugal Filters



MC 16 PLUS

MULTICYCLONE
12 & 16 PLUS

Part Number	Product Description	Nominal Size
200376	MultiCyclone 12 Plus C40 Cartridge	40mm
200377	MultiCyclone 16 Plus C40 Cartridge	50mm

Specifications

Model	Hydrocyclones	Connection Ports	Minimum Flow	Maximum Flow	Filter Area	Maximum Pool Size	Maximum Pressure
MultiCyclone 12 Plus	12	40mm / 1 ½"	40lpm	152lpm	3.7m² / 40 sq.ft	73,000l	350kPa (50psi)
MultiCyclone 16 Plus	16	50mm / 2"	50lpm	152lpm	3.7m² / 40 sq.ft	73,000l	350kPa (50psi)

Maximum flow is limited by the surface area of the filter cartridge.
Residential Cartridge Design Filtration Rate: 41 lpm/m2 (1gpm/ft2)

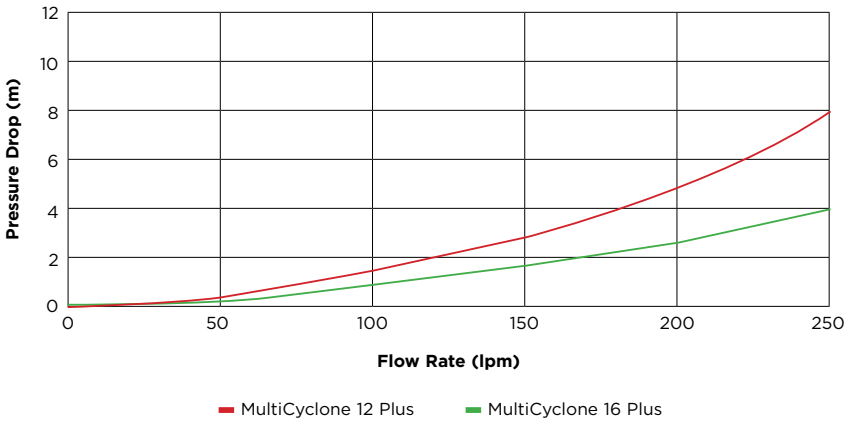
MultiCyclone Plus/Ultra combines centrifugal and cartridge filtration into one streamline housing, creating an ultra compact filtration system that can be vertically installed on a pool pump.

- Dual stage filtration
- Ultra compact
- Ease of maintenance

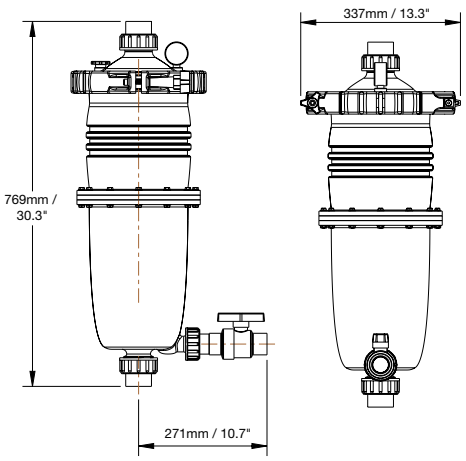
SAVE MONEY SAVE TIME SAVE ENERGY

enviropro
SAVE TIME, WATER AND ENERGY

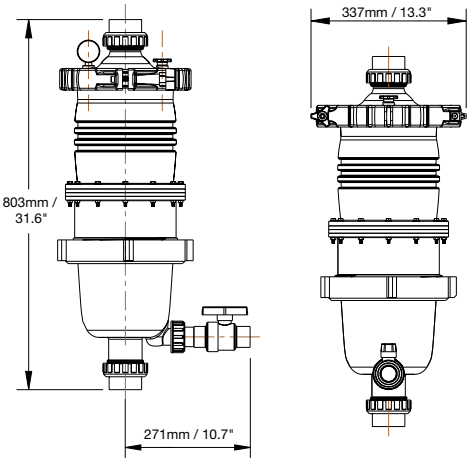
Head Loss Curves



Dimension (mm/in) MultiCyclone 12 Plus



Dimension (mm/in) MultiCyclone 16 Plus



MultiCyclone Centrifugal Filters



MC 16 ULTRA

MC 12 ULTRA

MULTICYCLONE 12 & 16 ULTRA

Part Number	Product Description	Nominal Size
200378	MultiCyclone 12 Ultra C75 Cartridge	40mm
200379	MultiCyclone 16 Ultra C75 Cartridge	50mm
200400M	Ultravac Service Trolley Malaysia	40mm
(Supastream 50 + MultiCyclone 12 Plus C40)		

Tips refer Page 157 for more info

MultiCyclone Plus/Ultra combines centrifugal and cartridge filtration into one streamline housing, creating an ultra compact filtration system that can be vertically installed on a pool pump.

- Dual stage filtration
- Ultra compact
- Ease of maintenance

Specifications

Model	Hydrocyclones	Connection Ports	Minimum Flow	Maximum Flow	Filter Area	Maximum Pool Size	Maximum Pressure
MultiCyclone 12 Ultra	12	40mm / 1 ½"	40lpm	225lpm	6.9m² / 75 ft²	108,000l	350kPa (50psi)
MultiCyclone 16 Ultra	16	50mm / 2"	50lpm	280lpm	6.9m² / 75 ft²	134,000l	350kPa (50psi)

Maximum flow is limited by the surface area of the filter cartridge.
Residential Cartridge Design Filtration Rate: 41 lpm/m2 (1gpm/ft2)

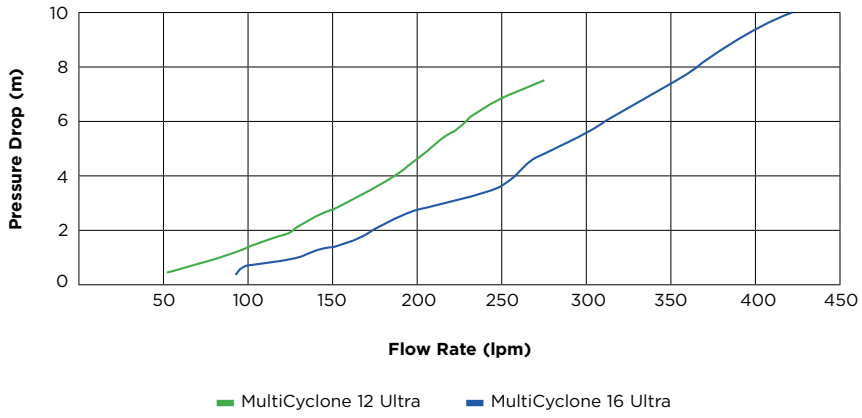


MultiCyclone Pump Stand

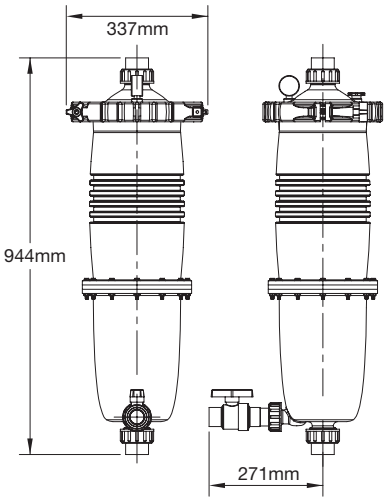


MultiCyclone Stand MKII

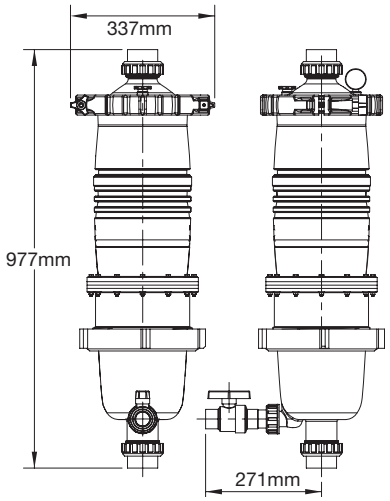
Head Loss Curves



Dimension (mm/in) MultiCyclone 12 Ultra



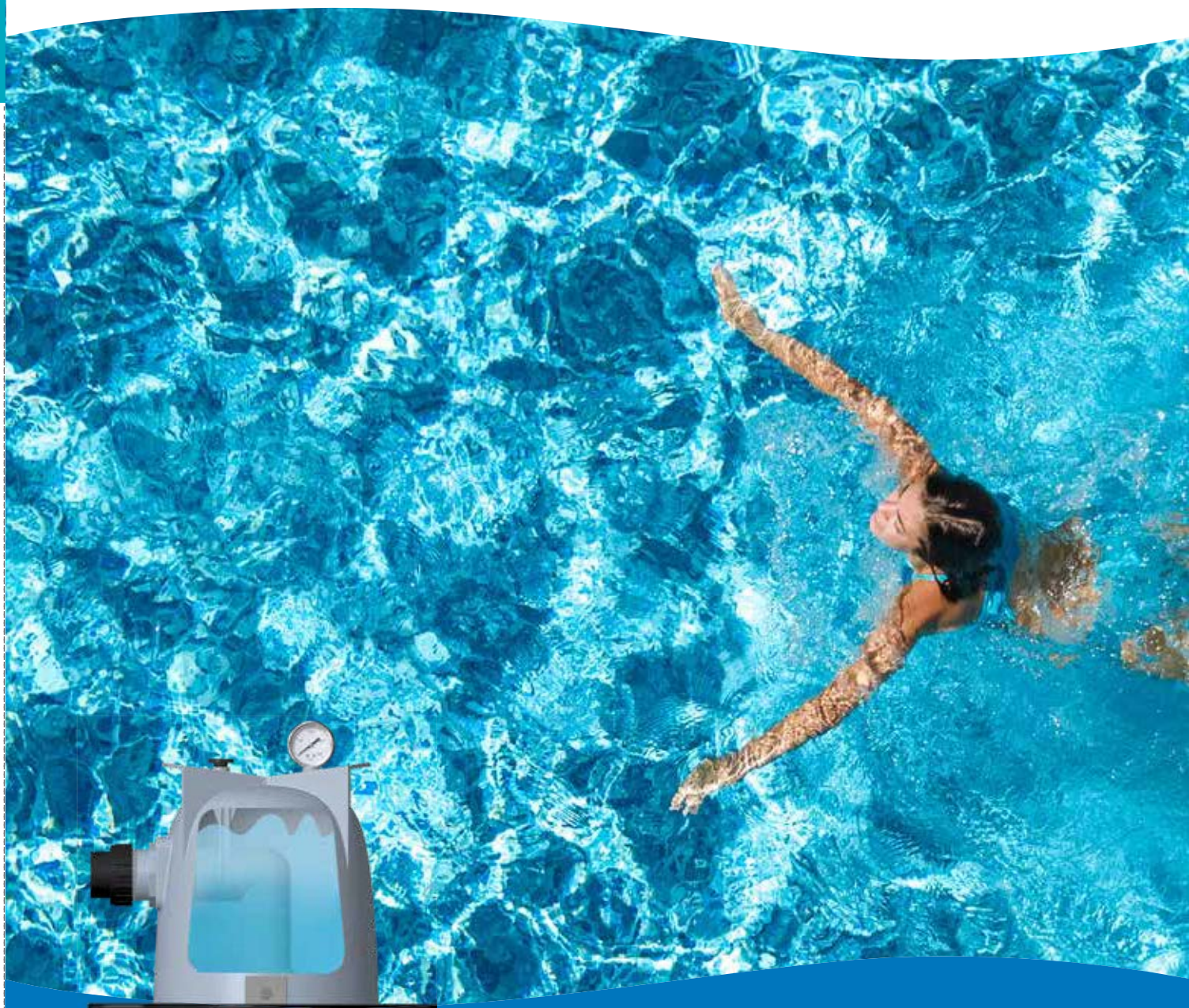
Dimension (mm/in) MultiCyclone 16 Ultra



SAVE MONEY SAVE TIME SAVE ENERGY

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SAVE TIME, WATER AND ENERGY

MULTICYCLONE DUO





Effortless pool perfection with our centrifugal dual filtration system.

SAVE ENERGY

SAVE MONEY

SAVE TIME

10 YEAR WARRANTY

enviropro
SAVE TIME, WATER AND ENERGY

MultiCyclone Centrifugal Filters



MULTICYCLONE DUO

Part Number	Product Description	Nominal Size
200601	MultiCyclone DUO 250sqft	50mm

Our innovative filter combines the centrifugal filtration of MultoCyclone and cartridge filtration in a compact design, offering superior performance and convenience.

Experience the ultimate in pool filtration efficiency and enjoy more time swimming and less time on filter maintenance.

SAVE ENERGY SAVE MONEY SAVE TIME

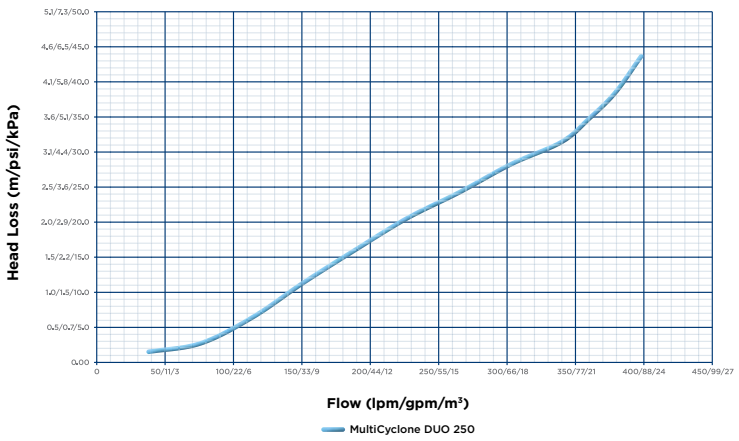
enviropro
SAVE TIME, WATER AND ENERGY.

Specifications

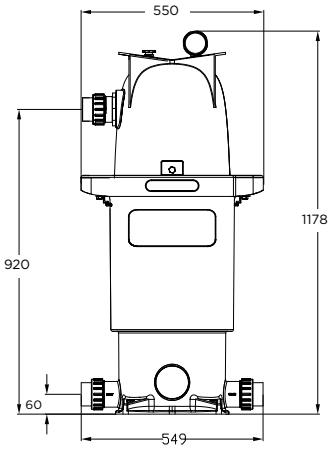
Model	Connection Ports	Minimum Flow	Maximum Flow	Filter Area	Maximum Pressure
MULTICYCLONE DUO 250	50mm/ 2”	50lpm/ 3m³/hr	500lpm/ 30m³/hr	23.2m²/ 250 ft²	350kPa (50psi)

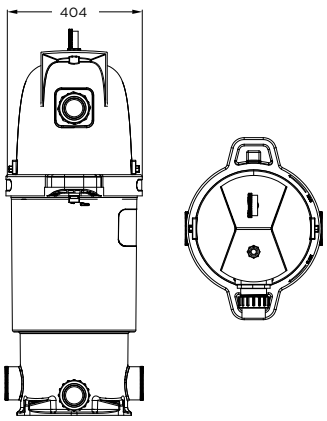
Head Loss

Total Head Loss Curve



Dimension (mm)







Easy-to-read pressure gauge allows for quick and simple monitoring of filter performance

A solid one-piece moulded polymer tank - for superior strength and resistance to cracking, corrosion, and UV damage, ensuring a long life span.

Innovative locking system ensures cartridge changes are quick and hassle-free. The integrated lifting lug adds convenience for lid removal.

Extended cartridge life Significantly reduces the frequency of cartridge cleaning, saving time and money.

Clear sight glasses allow for easy monitoring of sediment build-up.

Large drain port for quicker and more thorough flushing of sediment from the MultiCyclone’s sediment chamber. This reduces the time and effort required for maintenance.

50mm Quick connect barrel unions for UPVC pipe provide a simple and efficient way to connect and disconnect pipe sections

MultiCyclone Centrifugal Filters



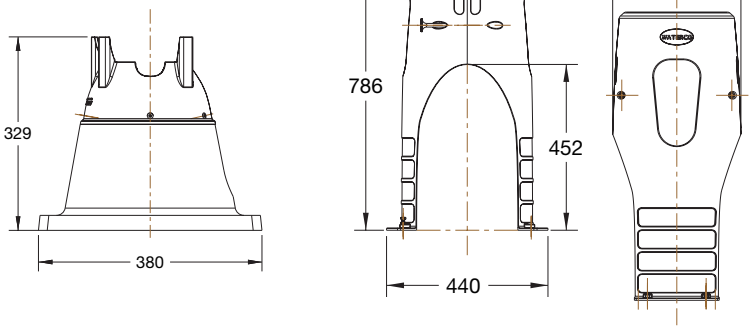


MULTICYCLONE ACCESSORIES & CONSUMABLES

Part Number	Product Description	Specification
200372	MultiCyclone Stand MKII - suitable for Plus & Ultra	
2003730	MultiCyclone Stand Over Pump	

Filter Element		Height (mm)	Diameter (mm)	
62451	C40 Cartridge only	197	160	40 sq.ft
62453	C75 Cartridge only	380	160	75 sq.ft

Dimension (mm)



Note: MultiCyclone Support Stand is suitable for most Waterco Domestic Pool Pumps. Excluding Hydrostar & all Commercial Pumps.



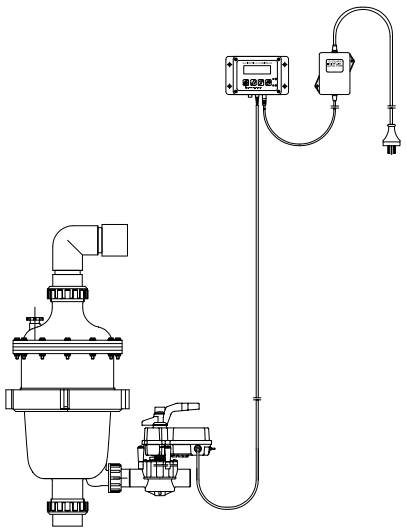
MULTICYCLONE AUTO PURGE SYSTEM

Part Number	Product Description
239073	MultiCyclone 12/16 Auto Purge System 1 Actuator
239072	MultiCyclone 12/16 Auto Purge System 2 Actuators

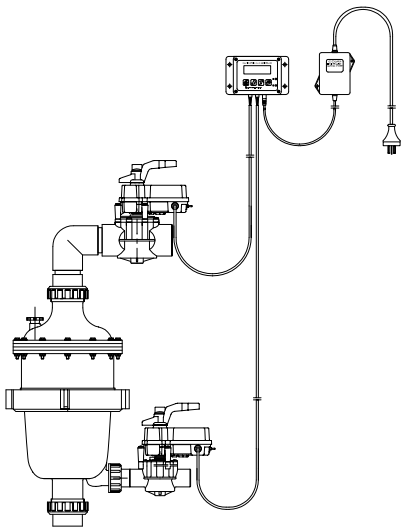
Multicyclone Auto Purge System

The MultiCyclone Auto Purge System is designed to automatically control the purging of captured debris collected by Waterco's residential or commercial MultiCyclone's and uses the latest controller system for easy operation.

- Setable 1 to 99 day purging cycle interval
- Setable 3 to 180 second purging duration
- Setable 5 to 60 second valve rotating time, 25sec default



MultiCyclone 12/16 Auto Purge System 1 actuator



MultiCyclone 12/16 Auto Purge System 2 actuators

MultiCyclone Centrifugal Filters



MULTICYCLONE 70XL

Part Number	Product Description	Nominal Size
200394	MultiCyclone 70XL	100mm
239072	MultiCyclone XL70 Auto Purge System 1 Actuator	

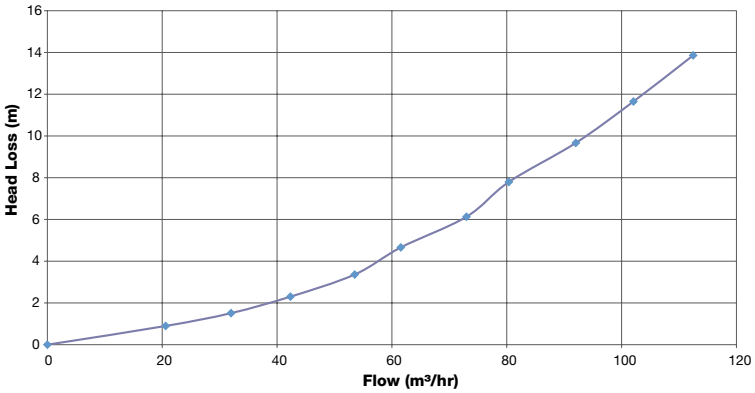
Technical Specifications

Model	Connection Ports	Minimum Flow	Maximum Flow	Maximum Pressure
MultiCyclone 70XL Commercial	100mm	36m³/hr	90m³/hr	3.5Bar/50psi/350kPa

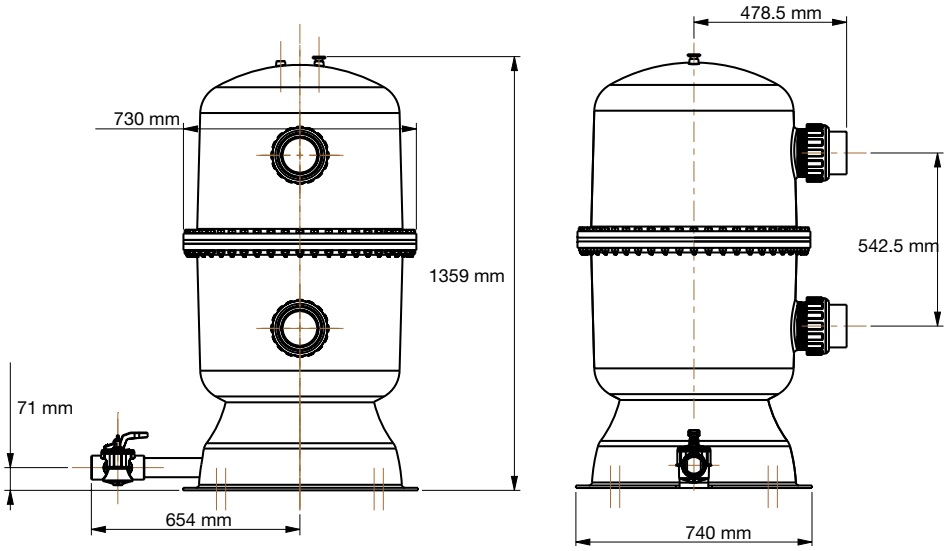
The **MultiCyclone 70XL** is an advanced version of Waterco's MultiCyclone technology designed for commercial use. It features an increased number of hydrocyclones to handle higher flow rates and meet the demanding requirements of commercial installations. The unit is capable of handling larger water capacities for commercial and industrial applications, with a maximum flow rate of 90 m³/hr. It is also suitable for both new and existing commercial installations.

Head Loss

MultiCyclone 70XL Head Loss Curve



Dimension (mm)





FILTER & MPV

FILAMENT WOUND GRANULAR FILTERS

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SMD & SMDD Deep Bed Series--------60
Nozzle Plate SPDD Series----------64
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MULTIPORT VALVES 69

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THERMOPLASTIC FILTERS

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Micron Commercial Fibreglass Filter

Designed and built for high performance and reliability



Micron Fibreglass Filters

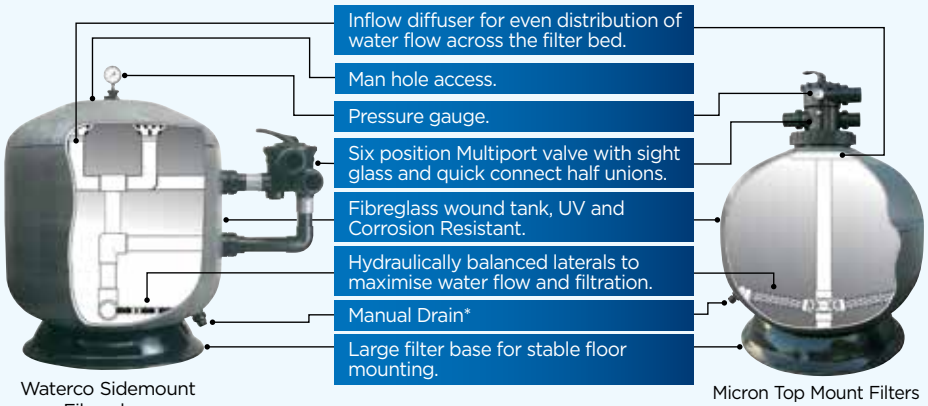


Micron fibreglass filters embody the latest in fibreglass winding technology. Waterco's digitally controlled filament winding machine faultlessly winds continuous strands of high quality fibreglass filament under controlled tension to create a seamless one-piece vessel with refined consistency and superior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

Manufactured from the highest grade of non corrosive materials and employing the latest in fibreglass winding technology, Micron fibreglass filters are designed and built for many years of trouble free operation.

- Available in top mount, side mount and horizontal configurations from filter areas of 0.87m² to 10.0m².
- Pressure rated at 250 kPa (36 psi), 400 kPa (58 psi), 600 kPa (87psi), 800kPa (116 psi) and up to 1000kpa (145 psi)
- Optional sight glasses and lateral man holes.
- Optional fibreglass reinforced vinyl ester for improved chemical resistance.
- NSF50, AS1210, AS4020 vessels available
- Multiple flange options available, e.g. ANSI, Table E, Table D

Waterco Micron Top and Sidemount Fibreglass Filters



Waterco Sidemount Fibreglass

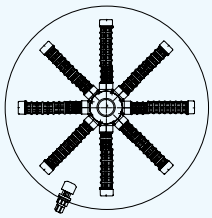
Micron Top Mount Filters

**Optional manual drain*

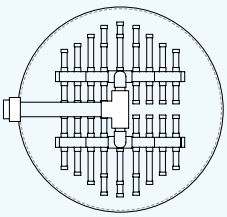
- Maximum working temperature of 50°C (122°F)

Micron "Fish Bone" laterals

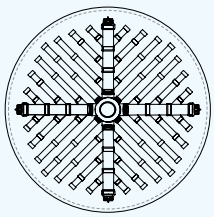
Conventional laterals are not suitable for larger sized commercial filters. "Dead legs" exist between the laterals and water flow is not optimised through the filter bed. Waterco's "Fish Bone" lateral configuration eliminates any "dead legs" by improving water flow distribution through the filter bed.



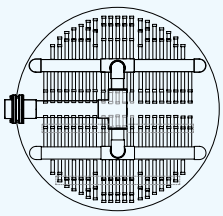
Conventional lateral configuration



Commercial vertical filters with 3" / 80mm ports



Commercial vertical filters with 2 ½" / 65mm ports as well as the SD1200 and SD1400 with 3" / 80mm ports



Commercial vertical filters with 4"/100mm, 6"/150mm, 8"/200mm ports

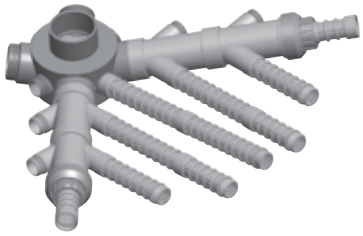
Micron Commercial Fibreglass Filters



Micron Sidemount Deep Bed Filters

Hydraulically Balanced Laterals

Hydraulically balanced “Fish Tail or Fish Bone” laterals for filtration and backwashing efficiency.





Micron SPDD Nozzle Plate Filters

Patented Nozzle Plate

A patented design for filtration and backwashing uniformity along with a custom designed flexible joint for durability.





Micron Horizontal Filter

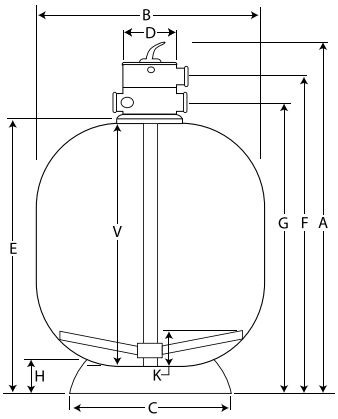
Proprietary Construction

Designed and manufactured utilising the latest filament winding machines, incorporation of non metallic fittings plus reinforced manhole openings unique to Waterco.



Filament Wound Granular Filters - Top Mount S Series





MICRON TOP MOUNT

FIBREGLASS FILTERS

Part Number	Product Description	Nominal Size
S500g-Kit	S500g c/w 40mm MPV	20"
	consists of:	
2201226DP	S500g INJ 6" Clamp Inj Type Filter w Drain Plug	
22804456	MPV TM40mm 6" Clamp Type MK3 Waterco	
S600g-Kit	S600g c/w 40mm MPV	24"
	consists of:	
2201246DP	S600g INJ 6" Clamp Type w Drain Plug	
22804456	MPV TM40mm 6" Clamp Type MK3 Waterco	
S602g-Kit	S602g c/w 50mm MPV	24"
	consists of:	
220126258DP	S602g INJ 8" Clamp Type w Drain Plug	
228058	MPV TM 50MM 8" Clamp Type MK2 Waterco	
S750g-Kit	S750g INJ 8" Clamp Type Filter w50mm MPV Only	
	consists of:	
2201318DP	S750g INJ 8" Clamp Type Filter w Drain Plug	30"
228058	MPV TM 50mm 8" Clamp Type MK2 Waterco	
S900g-Kit	S900g c/w 50mm MPV	36"
	consists of:	
2201368	MS900g INJ 8"Clamp Type Filter	
228058	MPV TM 50mm 8" Clamp Type MK2 Waterco	
	S1000 c/w 50mm MPV	40"
	consists of:	
220140DP	S1000 Filter Tank	
228053	MPV Top Mount 50mm	
2204265	S1050 c/w 65mm TM MPV	42"
	consists of:	
2201422	S1050 Filter Tank - 12" neck	
2280600	MPV Top Mount 65mm	
2204865	S1200 c/w 65mm TM MPV	48"
	consists of:	
2201480	S1200 Filter Tank - 12" neck	
2280600	MPV Top Mount 65mm	
22014816	S1200 c/w 80mm TM MPV	48"
	consists of:	
220148161	S1200 Filter Tank - 16" neck	
228800	MPV Top Mount 80mm	
22015616	S1400 c/w 80mm TM MPV	56"
	consists of:	
220156161	S1400 Filter Tank - 16" neck	
228800	MPV Top Mount 80mm	

2.5 and 3.5 bar pressure rating; 4 bar available upon request

Filament Wound Granular Filters - Top Mount S Series

An hydraulically efficient lateral system, which facilitates energy and water savings.

- Fish Tail lateral system - hydraulically balanced flow and backwashing
- Water savings up to 30%

Specifications

Filter Model	Valve Size	Inner Diameter	Filter Area	Bed Depth	Filtration Flow Rate		Media Volume	Filter Weight	Sand
	mm	mm	m^2	mm	m^3/hr	lpm	L	kg	kg
S500g INJ	40	500	0.20	280.0	7.0	120.0	65	18	93
S600g INJ	40	600	0.28	295.0	10.0	168.0	103	24	145
S602g INJ	50	600	0.28	295.0	10.0	168.0	103	24	147
S750g INJ	50	750	0.44	430.0	16.0	264.0	174	36	256
S900g INJ	50	900	0.64	420.0	23.0	384.0	322	58	482
S1000	50	1000	0.79	480.0	28.0	474.0	438	43	639
S1050	65	1050	0.87	510.0	31.0	522.0	503	60	734
S1200	65	1200	1.13	580.0	41.0	678.0	736	70	1075
	80						760	100	1110
S1400	80	1400	1.54	670.0	55.0	924.0	1011	150	1476

Filtration flow rate is based on 36$m^3/hr/m^2$; Max flow rate is based on a velocity of 48m3/hr/m^2

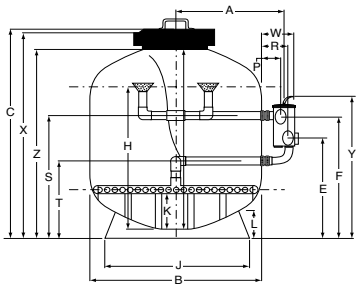
Dimension - Micron Top Mount (mm)

Model	Valve Size	A	B	C	D	E	F	G	H	V	K
S500g INJ	40	901	524	484	180	625	769	678	58	555	120
S600g INJ	40	1022	624	484	180	735	879	788	88	615	160
S602g INJ	50	1060	624	484	220	726	905	805	88	615	160
S750g INJ	50	1147	772	624	220	813	991	891	91	693	140
S900g INJ	50	1352	927	624	220	1027	1204	1104	91	882	160
S1000	50	1384	1010	678	220	1034	1204	1104	120	888	164
S1050	65	1490	1077	1045	264	1090	1316	1183	176	940	163
S1200	65	1615	1210	1045	264	1215	1441	1308	176	1040	173
	80	1947	1232		301	1455	1675	1566		1200	200
S1400	80	2020	1440	1200	301	1530	1748	1640	220	1275	200

All figure tolerence 1%; Subject to modification.

Filament Wound Granular Filters - Side Mount (SM Series)





MICRON SIDE MOUNT **FIBREGLASS FILTERS** with Multiport Valve

Part Number	Product Description	Nominal Size
SM500e-Kit	SM500 8" neck c/w 40mm MPV	20"
	consist of:	
22000820	SM500 8" neck 40mm port filter	
2290421	MPV Side Mount 40mm	
SM600e-Kit	SM600 8" neck c/w 40mm MPV	24"
	consist of:	
22000820	SM600 8" neck 40mm port filter	
2290421	MPV Side Mount 40mm	
SM750e-Kit	SM750 8" neck c/w 50mm MPV	30"
	consist of:	
22000830	SM750 8" neck 40mm port filter	
22290512	MPV Side Mount 50mm	
SM900e-Kit	SM900 8" neck c/w 50mm MPV	36"
	consist of:	
22000830	SM900 8" neck 40mm port filter	
2290512	MPV Side Mount 50mm	
	SM1050 12" neck c/w 65mm MPV	42"
	consist of:	
22004265121	SM1050 12" neck 65mm port filter	
22905010	MPV Side Mount 65mm	
	SM1050 c/w 80mm MPV (FRP manhole)	42"
	consist of:	
220042	SM1050 80mm port filter	
2290820	MPV Side Mount 80mm	
	SM1200 12" neck c/w 65mm MPV	48"
	consist of:	
22004865121	SM1200 12" neck 65mm port filter	
22905010	MPV Side Mount 65mm	
	SM1200 c/w 80mm MPV (FRP manhole)	48"
	consist of:	
2200481	SM1200 80mm port filter	
2290820	MPV Side Mount 80mm	
	SM1400 16" neck c/w 80mm MPV	56"
	consist of:	
22005680161	SM1400 16" neck 80mm port filter	
2290820	MPV Side Mount 80mm	
	SM1400 c/w 80mm MPV (FRP manhole)	56"
	consist of:	
2200561	SM1400 16" neck 80mm port filter	
2290820	MPV Side Mount 80mm	
	SM1600 16" neck c/w 80mm MPV	64"
	consist of:	
22006480161	SM1600 16" neck 80mm port filter	
2290820	MPV Side Mount 80mm	
	SM1600 c/w 80mm MPV (FRP manhole)	64"
	consist of:	
220064801	SM1600 80mm port filter	
2290820	MPV Side Mount 80mm	

Filament Wound Granular Filters - Side Mount (SM Series)

Part Number	Product Description	Nominal Size
	SM1600 16" neck c/w 100mm MPV	64"
	consist of:	
220064100161	SM1600 16" neck 100mm port filter	
2291005	MPV Side Mount 80mm	
	SM1600 c/w 100mm MPV (FRP manhole)	64"
	consist of:	
2200641	SM1600 100mm port filter	
2291005	MPV Side Mount 80mm	

2.5 Bar pressure rating; high pressure options available upon request
FRP Man Hole version is available upon request

GENERAL INFORMATION
Distribution I Lateral Piping
Design Filtration Rate I 36 $m^3/hr/m^2$
Max. Temperature I 50 °C
Feature I Fit For Height Constraint Space

OPTIONAL
Pressure Rating : 2.5 Bar (Standard) I 4.0 Bar I 6.0 Bar I 8.0 Bar
Connection : Union I Flange
Top Manhole*
Plastic Lock Ring & Lid I FRP Manhole Cover
Air Relief Valve*
Auto I Manual
**Please refer to "Guideline & References"*

Specifications

Filter Model	Valve Size	Inner Diameter	Filter Area	Bed Depth	Filtration Flow Rate		Media Volume	Filter Weight	Sand
	mm	mm	m^2	mm	m^3/hr	lpm	L	kg	kg
SM500	40	500	0.20	290.0	7.0	120.0	65	15	95
SM600	40	600	0.28	360.0	10.0	168.0	113	20	165
SM700	50	700	0.38	380.0	14.0	228.0	164	27	239
SM750	50	750	0.44	400.0	16.0	264.0	195	31	285
SM900	50	900	0.64	440.0	23.0	384.0	301	43	439
SM1050	65	1050	0.87	470.0	31.0	522.0	432	150	631
	80								
SM1200	65	1200	1.13	580.0	41.0	678.0	705	160	1029
	80								
SM1400	80	1400	1.54	670.0	55.0	924.0	1130	250	1650
SM1600	80	1600	2.01	670.0	72.0	1206.0	1483	300	2165
	100								

Dimension - Micron Side Mount (mm)

Model	Valve Size	A	B	C	W	R	P	E	F	K	V	H	L	X	Y	Z	J	S	T
SM500	40	475	520	846	306	249	171	485	539	100	652	585	70	813	683	740	445	485	282
SM600	40	526	622	906	306	249	171	520	574	105	690	601	87	873	718	800	484	520	317
SM700	40	587	719	941	334	262	191	520	622	120	728	685	90	908	779	835	620	520	317
SM750	50	613	772	976	334	262	191	541	643	113	763	652	90	943	800	870	620	541	337
SM900	50	689	923	1086	334	262	191	591	693	113	860	750	90	1053	850	980	620	591	387
SM1050	65	796	1077	1273	389	298	193	772	898	120	985	880	176	1241	1082	1165	1045	772	472
	80	900		1244	510	363	548	790	900		980			1159	1172	1089		790	435
SM1200	65	873	1232	1520	389	298	193	916	1042	190	1191	1022	176	1489	1226	1413	1045	916	616
	80	978		1485	510	363	548	952	1062	150	1145	982		1400	1334	1330		952	596
SM1400	80	1083	1442	1608	510	363	548	998	1108	190	1217	1065	218	1523	1380	1453	1202	998	642.4
SM1600	80	1184	1644	1875	510	363	548	1101	1211	205	1520	1220	218	1790	1483	1720	1202	1101	745.4
	100	1765			943	474	629	707	369			1300		1790	707	1720		1139	707.2

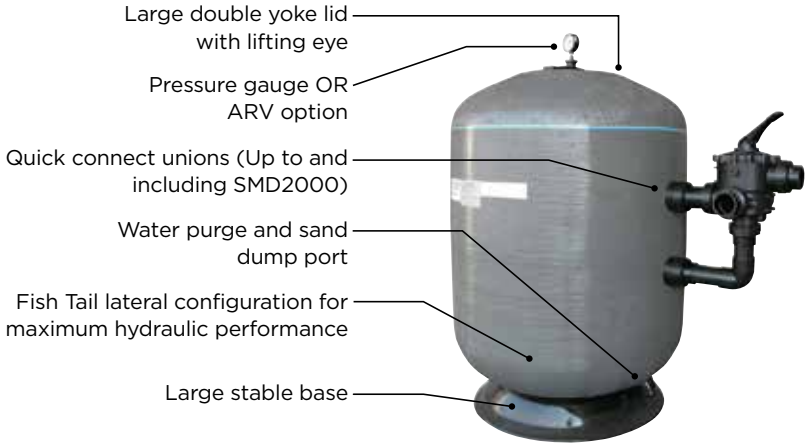
Filament Wound Granular Filter - Side Mount (SMD Series)



MICRON SMD

1000mm filter bed depth ranges from 2.5 up to 10bar

The deep media bed enhances filtration efficiency compared to standard high-rate filters by providing improved in-depth filtration and greater dirt-holding capacity. The increased bed depth also allows effective use of mixed filter media and water treatment materials such as granular activated carbon. With a **1000 mm media bed**, the filter is able to retain finer dirt particles and colloidal substances more effectively than filters with shallower media beds.



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

Specifications

Filter Model	Port Size	Bed Depth	Inner Diameter	Filter Area	Filtration Flow Rates		Backwash Flow Rates		Media Volume	Sand 16/30	Glass Pearls 0.6-0.8
	mm	mm	mm	m^2	$30m^3/hr/m^2$	$36m^3/hr/m^2$	$40m^3/hr/m^2$	$50m^3/hr/m^2$	L	kg	kg
					m^3/hr		m^3/hr				
SMD750	50	1000	750	0.44	13.2	15.8	17.6	22.0	459	670	739
SMD900	50	1000	900	0.64	19.2	23.0	25.6	32.0	658	961	1059
SMD900	65	1000	900	0.64	19.2	23.0	25.6	32.0	699	1021	1125
SMD900	80	1000	900	0.65	19.5	23.4	26.0	32.5	695	1015	1119
SMD1050	65	1000	1050	0.87	26.1	31.3	34.8	43.5	973	1421	1567
SMD1050	80	1000	1050	0.87	26.1	31.3	34.8	43.5	966	1410	1555
SMD1200	80	1000	1200	1.13	33.9	40.7	45.2	56.5	1175	1716	1892
SMD1200	100	1000	1200	1.13	33.9	40.7	45.2	56.5	1192	1740	1919
SMD1400	80	1000	1400	1.54	46.2	55.4	61.6	77.0	1723	2516	2774
SMD1400	100	1000	1400	1.54	46.2	55.4	61.6	77.0	1637	2390	2636
SMD1600	80	1000	1600	2.01	60.3	72.4	80.4	100.5	2171	3170	3495
SMD1600	100	1000	1600	2.01	60.3	72.4	80.4	100.5	2092	3054	3368
SMD1800	100	1000	1800	2.54	76.2	91.4	101.6	127.0	2880	4205	4637
SMD1800	150	1000	1800	2.54	76.2	91.4	101.6	127.0	2904	4240	4675
SMD2000	100	1000	2000	3.14	94.2	113.0	125.6	157.0	3521	5141	5669
SMD2000	150	1000	2000	3.14	94.2	113.0	125.6	157.0	3490	5095	5619

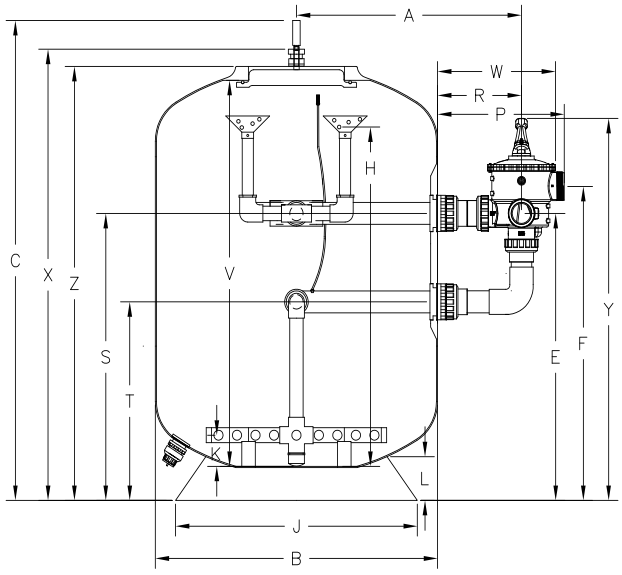
** Recommended maximum flow rates for port size :*
50mm/63mm (EU), 510 lpm, 30.6 m^3/hr
65mm/75mm (EU), 760 lpm, 45.6 m^3/hr
80mm/90mm (EU), 1080 lpm, 64.8 m^3/hr
100mm/110mm (EU), 1800 lpm, 108 m^3/hr
150mm/160mm (EU), 3420 lpm, 205.2 m^3/hr

Filament Wound Granular Filter - Side Mount (SMD Series)

Dimension - SMD (mm)

Model	Port Size	A	B	C	W	R	P	E	F	K	V	H	L	X	Y	Z	J	S	T
SMD750	50	613	772	1689	334	262	191	1226	1328	113	1425	1363	120	1656	1485	1583	678	1226	1023
SMD900	50	689	923	1762	334	262	191	1274	1376	113	1455	1363	155	1729	1533	1656	735	1274	1071
SMD900	65	719	923	1918	389	298	193	1300	1426	223	1580	1473	155	1833	1610	1763	735	1300	1000
SMD900	80	824	923	1918	510	363	548	1406	1516	190	1580	1440	155	1833	1788	1763	735	1406	1050
SMD1050	65	796	1110	1930	389	298	193	1044	1170	220	1605	1470	176	1845	1354	1775	1045	1044	744
SMD1050	80	918	1110	1930	510	363	548	1100	1210	220	1605	1470	176	1845	1482	1775	1045	1100	744
SMD1200	80	977	1229	1935	510	363	548	1154	1264	150	1590	1400	176	1850	1536	1780	1045	1154	798
SMD1200	100	1558	1229	1935	943	474	629	760	422	180	1590	1430	176	1850	760	1780	1045	1192	760
SMD1400	80	1083	1442	1955	510	363	548	1204	1314	250	1615	1500	218	1870	1586	1800	1202	1204	848
SMD1400	100	1664	1442	1955	943	474	629	810	472	200	1615	1450	218	1870	810	1800	1202	1242	810
SMD1600	80	1184	1644	1994	510	363	548	1151	1261	220	1615	1500	218	1909	1533	1839	1202	1151	795
SMD1600	100	1765	1644	1994	943	474	629	757	419	180	1615	1430	218	1909	757	1839	1202	1189	757
SMD1800	100	1863	1839	1985	943	474	629	751	413	225	1710	1475	315	1900	751	1830	1755	1183	751
SMD1800	150	-	1839	1985	-	-	-	-	-	320	1710	1570	315	1900	-	1830	1755	1168	685
SMD2000	100	1964	2042	2063	943	474	629	758	420	300	1765	1550	245	1978	758	1908	1755	1190	758
SMD2000	150	-	2042	2063	-	-	-	-	-	300	1765	1550	245	1978	-	1908	1755	1215	732

All figure tolerence 1%; Subject to modification.



Filament Wound Granular Filter - Side Mount (SMDD Series)



MICRON SMDD

1200mm filter bed depth ranges from 2.5 to 10bar

The deep media bed improves filtration efficiency compared to standard high-rate filters by enabling better in-depth filtration and higher dirt-holding capacity. The increased bed depth also allows the effective use of mixed filter media and treatment materials such as granular activated carbon. With a **1000 mm media bed**, the filter can capture finer dirt particles and colloidal substances more effectively than filters with a shallower media depth.



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

Specifications

Filter Model	Port Size	Bed Depth	Inner Diameter	Filter Area	Filtration Flow Rates		Backwash Flow Rates		Media Volume	Sand 16/30	Glass Pearls 0.6-0.8
	mm	mm	mm	m^2	$30m^3/hr/m^2$	$36m^3/hr/m^2$	$40m^3/hr/m^2$	$50m^3/hr/m^2$	L	kg	kg
					m^3/hr		m^3/hr				
SMDD600	40	1200	600	0.28	8.4	10.1	11.2	14.0	360	525	579
SMDD750	50	1200	750	0.44	13.2	15.8	17.6	22.0	545	795	877
SMDD900	50	1200	900	0.64	19.2	23.0	25.6	32.0	784	1145	1263
SMDD900	65	1200	900	0.64	19.2	23.0	25.6	32.0	784	1145	1263
SMDD900	80	1200	900	0.64	19.2	23.0	25.6	32.0	822	1200	1323
SMDD1050	65	1200	1050	0.87	26.1	31.3	34.8	43.5	1144	1670	1842
SMDD1050	80	1200	1050	0.87	26.1	31.3	34.8	43.5	1140	1665	1836
SMDD1200	65	1200	1200	1.13	33.9	40.7	45.2	56.5	1442	2105	2321
SMDD1200	80	1200	1200	1.13	33.9	40.7	45.2	56.5	1401	2045	2255
SMDD1200	100	1200	1200	1.13	33.9	40.7	45.2	56.5	1414	2065	2277
SMDD1400	80	1200	1400	1.54	46.2	55.4	61.6	77.0	2031	2965	3270
SMDD1400	100	1200	1400	1.54	46.2	55.4	61.6	77.0	1945	2840	3132
SMDD1600	80	1200	1600	2.01	60.3	72.4	80.4	100.5	2548	3720	4102
SMDD1600	100	1200	1600	2.01	60.3	72.4	80.4	100.5	2524	3685	4064
SMDD1800	100	1200	1800	2.54	76.2	91.4	101.6	127.0	3192	4660	5139
SMDD1800	150	1200	1800	2.54	76.2	91.4	101.6	127.0	3408	4975	5486
SMDD2000	100	1200	2000	3.14	94.2	113.0	125.6	157.0	4147	6055	6677
SMDD2000	150	1200	2000	3.14	94.2	113.0	125.6	157.0	4171	6090	6716
SMDD2200	150	1200	2200	3.80	114.0	136.8	152.0	190.0	5223	7625	8408
SMDD2350	150	1200	2350	4.34	130.2	156.2	173.6	217.0	5808	8480	9351
SMDD2500	150	1200	2500	4.91	147.3	176.8	196.4	245.5	6538	9545	10526
SMDD3000	200	1200	3000	7.07	212.1	254.5	282.8	353.5	9589	14000	15438

** Recommended maximum flow rates for port size :*

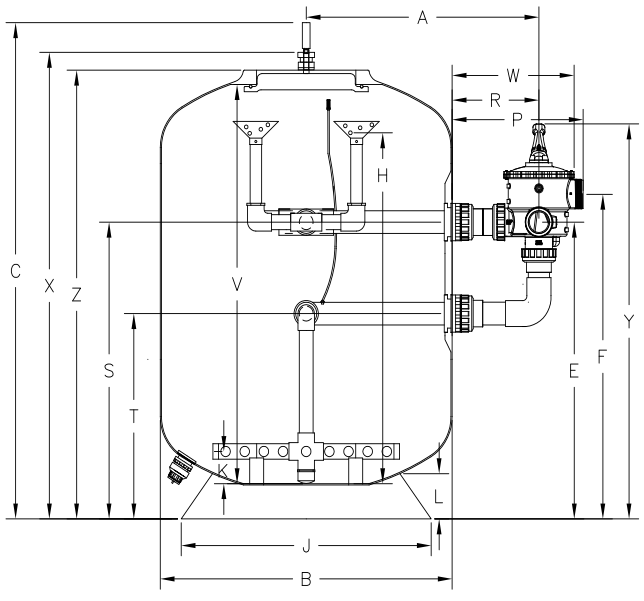
50mm/63mm (EU), 510 lpm, 30.6 m^3/hr
65mm/75mm (EU), 760 lpm, 45.6 m^3/hr
80mm/90mm (EU), 1080 lpm, 64.8 m^3/hr
100mm/110mm (EU), 1800 lpm, 108 m^3/hr
150mm/160mm (EU), 3420 lpm, 205.2 m^3/hr
200mm/200mm(EU), 6720 lpm, 403.2m^3/hr

Filament Wound Granular Filter - Side Mount (SMDD Series)

Dimension - SMDD (mm)

Model	Port Size	A	B	C	W	R	P	E	F	K	V	H	L	X	Y	Z	J	S	T
SMDD600	40	527	623	1974	306	249	171	1546	1600	136	1740	1736	88	1941	1744	1868	540	1546	1343
SMDD750	50	613	772	2044	334	262	191	1586	1688	113	1780	1713	120	2011	1845	1938	678	1586	1383
SMDD900	50	689	923	2107	334	262	191	1619	1721	113	1800	1713	155	2074	1878	2001	735	1619	1416
SMDD900	65	719	923	2268	389	298	193	1624	1750	223	1930	1823	155	2183	1934	2113	735	1624	1324
SMDD900	80	824	923	2268	510	363	548	1680	1790	190	1930	1780	155	2183	2062	2113	735	1680	1324
SMDD1050	65	796	1110	2270	389	298	193	1594	1720	220	1950	1820	176	2185	1904	2115	1045	1594	1294
SMDD1050	80	918	1110	2270	510	363	548	1650	1760	220	1950	1820	176	2185	2032	2115	1045	1650	1294
SMDD1200	65	873	1229	2243	389	298	193	1609	1735	190	1900	1790	176	2158	1919	2088	1045	1609	1309
SMDD1200	80	977	1229	2243	510	363	548	1665	1775	150	1900	1750	176	2158	2047	2088	1045	1665	1309
SMDD1200	100	1558	1229	2243	943	474	629	883	545	180	1900	1780	176	2158	883	2088	1045	1315	883
SMDD1400	80	1083	1442	2313	510	363	548	1618	1728	250	1970	1860	218	2228	2000	2158	1202	1618	1262
SMDD1400	100	1664	1442	2313	943	474	629	898	560	200	1975	1800	218	2228	898	2158	1202	1330	898
SMDD1600	80	1184	1644	2285	510	363	548	1383	1493	205	1950	1805	218	2200	1765	2130	1202	1382.7	1027
SMDD1600	100	1765	1644	2285	943	474	629	989	651	200	1950	1800	218	2200	989	2130	1202	1420.8	989
SMDD1800	100	1863	1839	2260	943	474	629	866	528	210	2010	1810	315	2175	866	2105	1755	1298	866
SMDD1800	150	-	1839	2260	-	-	-	-	-	320	2010	1920	315	2175	-	2105	1755	1382.6	900
SMDD2000	100	1964	2042	2398	943	474	629	878	540	300	2100	1900	245	2313	878	2243	1755	1310	878
SMDD2000	150	-	2042	2398	-	-	-	-	-	320	2100	1920	245	2313	-	2243	1755	1310	827
SMDD2200	150	-	2245	2415	-	-	-	-	-	380	2090	1980	245	2330	-	2260	1755	1386	903
SMDD2350	150	-	2390	2435	-	-	-	-	-	355	2118	1955	340	2330	-	2330	2037	1500	1017
SMDD2500	150	-	2575	2510	-	-	-	-	-	355	2190	1955	340	2405	-	2405	2037	1494	1011
SMDD3000	200	-	3045	2890	-	-	-	-	-	465	2490	2065	417	2785	-	2785	2660	1688	1205

All figure tolerence 1%; Subject to modification.



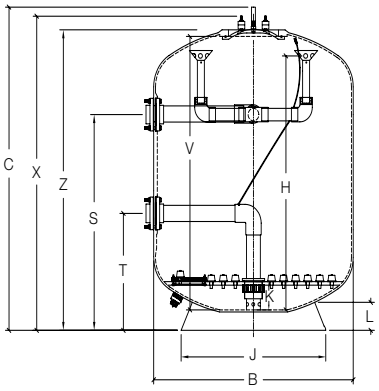
Filament Wound Granular Filter - Side Mount (SPDD Series)

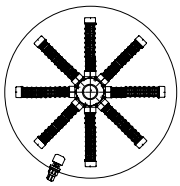


MICRON SPDD

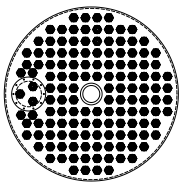
1200mm filter bed depth ranges from 2.5 to 10bar

Micron **SPDD filters** are equipped with a plate and nozzle system that ensures uniform water flow during both filtration and backwashing, allowing maximum performance throughout the media bed. The system also enables pressurised air to be introduced at the bottom of the filter media, creating strong agitation and proper media expansion during air/water backwashing. This improves cleaning efficiency, reduces backwash duration, and can save up to **25% of backwash water.**





Conventional lateral configuration



Nozzle plate configuration



Nozzle Plate under drain system



Internal Nozzle Plate Service Hatch

Specifications

Filter Model	Port Size	Bed Depth	Inner Diameter	Filter Area	Filtration Flow Rates		Backwash Flow Rates		Media Volume	Sand 16/30	Glass Pearls 0.6-0.8
	mm	mm	mm	m^2	30m^3/hr/m^2	36m^3/hr/m^2	40m^3/hr/m^2	50m^3/hr/m^2	L	kg	kg
					m^3/hr		m^3/hr				
SPDD1050	80	1200	1050	0.87	26.0	31.2	34.6	43.3	1017	1485	1638
SPDD1200	80	1200	1200	1.13	33.9	40.7	45.2	56.5	1322	1930	2128
SPDD1200	100	1200	1200	1.13	33.9	40.7	45.2	56.5	1322	1930	2128
SPDD1400	100	1200	1400	1.54	46.2	55.4	61.6	77.0	1808	2640	2911
SPDD1600	100	1200	1600	2.01	60.3	72.4	80.4	100.5	2366	3455	3810
SPDD1800	150	1200	1800	2.54	76.3	91.6	101.8	127.2	2966	4330	4775
SPDD2000	150	1200	2000	3.14	94.2	113.1	125.7	157.1	3671	5360	5911
SPDD2350	150	1200	2350	4.34	130.1	156.1	173.5	216.9	5089	7430	8193
SPDD2500	150	1200	2500	4.91	147.3	176.7	196.3	245.4	5760	8410	9274
SPDD3000	200	1200	3000	7.07	212.1	254.5	282.7	353.4	7997	11676	12875

** Recommended maximum flow rates for port size :*
80mm/90mm (EU), 1080 lpm, 64.8 m^3/hr 100mm/110mm (EU), 1800 lpm, 108 m^3/hr 150mm/160mm (EU), 3420 lpm, 205.2 m^3/hr
200mm/200mm(EU), 6720 lpm, 403.2m^3/hr

Dimension - SPDD (mm)

Model	Port Size	B	C	K	V	H	L	X	Z	J	S	T
SPDD1050	80	1110	2370	220	1950	1820	176	2185	2115	1045	1650	1294
SPDD1200	80	1229	2343	180	1900	1750	176	2158	2088	1045	1665	1309
SPDD1200	100	1229	2343	180	1900	1750	176	2158	2088	1045	1315	883
SPDD1400	100	1442	2313	200	1975	1800	218	2228	2158	1202	1330	898
SPDD1600	100	1644	2385	200	1950	1800	218	2200	2130	1202	1421	989
SPDD1800	150	1839	2360	320	2010	1920	315	2175	2105	1755	1383	900
SPDD2000	150	2042	2498	320	2100	1920	245	2313	2243	1755	1310	827
SPDD2350	150	2390	2585	355	2118	1955	340	2330	2330	2037	1500	1017
SPDD2500	150	2575	2660	355	2190	1955	340	2405	2405	2037	1494	1011
SPDD3000	200	3040	3061	465	2495	2065	419	2871	2760	2660	1746	1146

All figure tolerence 1%; Subject to modification.

Filament Wound Granular Filter - Horizontal Series



MICRON

COMMERCIAL HORIZONTAL FILAMENT WOUND FILTER

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 flatter more uniform filter media bed after backwashing.



Internal plumbing & laterals

The **Micron Horizontal Filter** is a compact, high-performance filter designed to save installation space with its horizontal configuration. Its spherical ends ensure uniform water flow through the inlet and outlet assemblies. The filter is available with **500 mm (M)** and **1200 mm (MD)** media bed options.

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 system.
4 Fibreglass wound tank, UV and corrosion resistant.
5 Large stable filter base for stable floor mounting.
6 Manual drain.





Filament Wound Granular Filter - Horizontal (M/MD Series)

Specifications - Micron Horizontal Filters

Filter Model	Port Size	Bed Depth	Inner Diameter	Maximum Filter Area	Filtration Flows Rates*		Backwash Flows Rates*		Media Volume	Sub-Lateral Gravel	Sand
					30m³/hr/m²	36m³/hr/m²	40m³/hr/m²	50m³/hr/m²			
	mm	mm	mm	m²	m³/hr		m³/hr		Litres	kgs	kgs
M2500	100	500	1260	2.50	75	90	100	125	1452	435	1685
M3750	150	500	1260	3.75	113	135	150	188	2370	691	2769
M5000	150	500	1260	5.00	150	180	200	#250	3192	1064	3596
MD5000	150	1200	2000	5.00	150	180	200	#250	5788	774	7676
MD5500	150	1200	2000	5.50	165	198	#220	#275	6356	847	8433
MD5500	200	1200	2000	5.50	165	198	220	275	6356	847	8433
MD6500	200	1200	2000	6.50	195	234	260	325	7548	1066	9954
MD8000	200	1200	2000	8.00	240	288	320	400	9795	1401	12898
MD10000	250	1200	2000	10.00	300	360	400	500	12116	1964	15726
MDD10000	250	1200	2200	11.44	343	412	458	572	15000	3504	18396

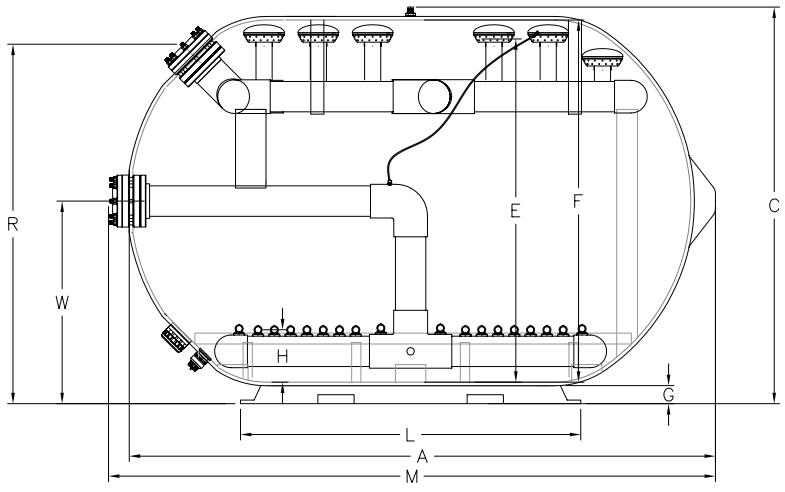
**Filtration and backwash flow rates are worked based on maximum filter area.*
 # Exceed recommended maximum flow rates
** Recommended maximum flow rates for port size: 100mm/110mm(EU), 1800 lpm, 108m³/hr 150mm/160mm(EU), 3420 lpm, 205.2m³/hr*
200mm/200mm(EU), 6720 lpm, 403.2m³/hr 250mm/280mm(EU), 8930 lpm, 535.8m³/hr

Dimension (mm) - M and MD Series

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	150	3230	1620	740	1300	2520	1005	1260	150	255	3312
M5000	150	4220	1620	740	1300	3570	945	1260	150	275	4301
MD5000	150	2920	2190	1120	1988	1630	1889	2000	230	289	3026
MD5500	150	3252	2190	1120	1988	1880	1889	2000	230	289	3330
MD5500	200	3122	2190	1120	1988	1880	1840	2000	230	240	3330
MD6500	200	3765	2190	1120	2020	2405	1890	2000	230	290	3890
MD8000	200	4516	2190	1120	2020	3155	1890	2000	230	290	4640
MD10000	250	5500	2190	1150	2050	4055	1890	2000	230	330	5650
MDD10000	250	5685	2400	1255	2204	4055	2030	2200	274	430	5840

All figure tolerence 1%; Subject to modification

Horizontal deep bed filter - M & MD series



Filament Wound Granular Filter - Horizontal (MPD Series)

Specifications - Micron Horizontal Nozzle Plate Deep Bed Filters

Filter Model	Port Size	Bed Depth	Max Filter Area	Filtration Flow Rates		Backwash Flow Rates		Media Volume	Sand	Glass Pearls
	mm	mm	m^2	$30m^3/hr/m^2$	$36m^3/hr/m^2$	$40m^3/hr/m^2$	$50m^3/hr/m^2$	L	kg	kg
				m^{33}/hr		m^3/hr				
MPD5000	150	1200	5	150	180	200	250	5377	7850	8683
MPD5500	200	1200	5.5	165	198	220	275	5890	8600	9513
MPD6500	200	1200	6.5	195	234	260	325	7055	10300	11393
MPD8000	200	1200	8	240	288	320	400	8699	12700	14048
MPD10000	250	1200	10	300	360	400	500	10959	16000	17699

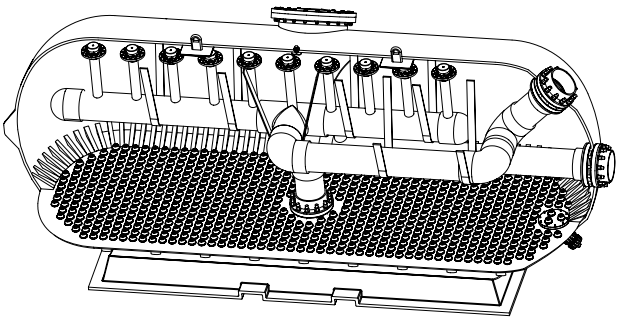
 # Exceed recommended maximum flowrate.

Dimension (mm) - MPD Series

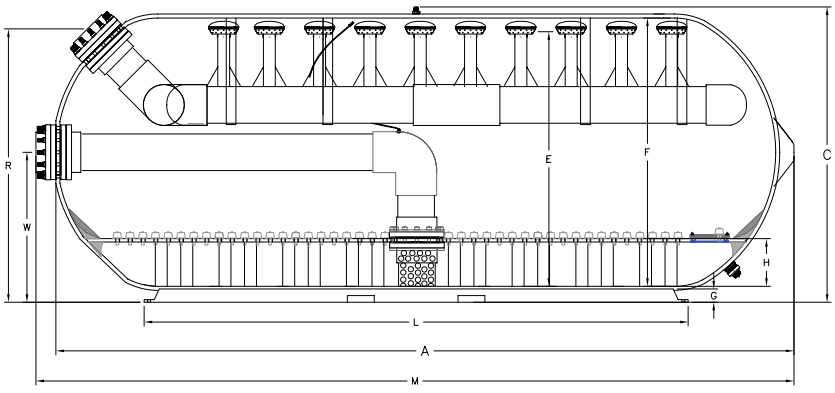
Model	Port Size	A	C	W	R	L	E	F	G	H	M
MPD5000	150	2920	2190	1120	1988	1630	1889	2000	230	289	3026
MPD5500	200	3122	2190	1120	1988	1880	1840	2000	230	290	3330
MPD6500	200	3765	2190	1120	2020	2405	1890	2000	230	290	3890
MPD8000	200	4516	2190	1120	2020	3155	1890	2000	230	290	4640
MPD10000	250	5500	2190	1150	2050	4055	1890	2000	230	330	5650

All figure tolerence 1%; Subject to modification

Waterco manufactures horizontal nozzle plate filters with up to 10m2 filter area and 1,200mm filter media bed depth – the largest to receive AS/NZS 4020:2005 Certification from the Australian Water Quality Centre.

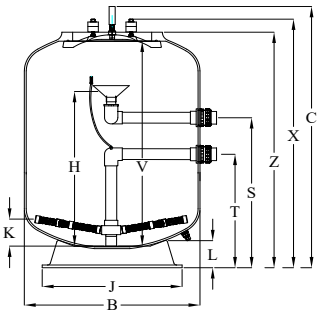


Horizontal deep bed filter - MPD series



Hot Spring Series Filters





HOT SPRING SIDE MOUNT FIBREGLASS FILTERS

Product Description	Nominal Size
SM500 Hot Spring	20"
SM600 Hot Spring	24"
SM750 Hot Spring	30"
SM900 Hot Spring	36"
SM1050 Hot Spring	42"
SM1200 Hot Spring	48"

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.

- 70°C high temp resistant
- Ideal for Hotspring & Spa
- 4 Bar rated pressure

Specifications

Filter Model	Port Size	Inner Diameter	Filter Area	Bed Depth	Filtration Flow Rate		Media Volume	Filter Weight	Sand
	mm	mm	m^2	mm	m^3/hr	lpm	L	kg	kg
SM500	40	500	0.20	290.0	7.2	120	65	12	95
SM600	40	600	0.28	360.0	10.1	168	113	16	165
SM750	50	750	0.44	400.0	15.8	264	195	24	285
SM900	50	900	0.64	440.0	23.0	384	301	29	439
SM1050	80	1050	0.87	470.0	31.3	522	432	38	631
SM1200	80	1200	1.13	580.0	40.6	678	705	67	1029

Filtration flow rate is based on 36$m^3/hr/m^2$; Max flow rate is based on a velocity of 48$m^3/hr/m^2$

Dimension - Hot Spring Side Mount (mm)

Model	Port Size	B	C	K	V	H	L	X	Z	J	S	T
SM500	40	520	815	100	652	585	70	745	710	445	485	282
SM600	40	622	880	105	690	601	87	810	810	484	520	317
SM750	50	772	990	113	763	652	120	920	885	678	577	374
SM900	50	923	1453	130	1130	890	155	1380	1310	735	834	631
SM1050	65	1077	1244	120	980	880	176	1159	1089	1045	790	435
	80											
SM1200	65	1232	1485	150	1145	982	176	1400	1330	1045	952	596
	80											

All figure tolerance 1; Subject to modification

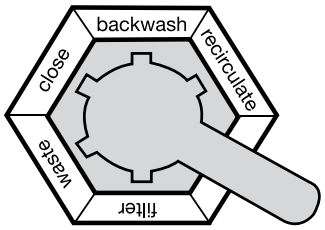
Multiport Valves



Multiport Valves

Constructed from heavy duty ABS and GFPP, Waterco Multiport valves are designed for maximum performance and working pressures.

- 6-position multiple valve
- Top and Side Mount configurations
- Rated at 400kPa



MULTIPORT VALVE MAIN FUNCTIONS

Filter	-	downward flow through the filter bed to outlet
Backwash	-	upward flow through the filter bed to waste
Rinse	-	downward flow through the filter bed to waste
Waste	-	bypass the filter bed to waste
Re-circulate	-	bypass the filter bed to outlet
Closed	-	no flow to the filter

Model	Max flow rate	Body	Lid	Handle	Rotor	Hardware	Union Nut	Union Tail
40mm MPV	320	ABS	GFPP	GFPP	GF Noryl	SS304	ABS	PVC
50mm MPV	510	ABS	GFPP	GFPP	GF Noryl	SS304	ABS	PVC
65mm MPV	780	ABS	GFPP	GFPP	GF Noryl	SS304	ABS	PVC
80mm MPV	1080	GFPP	GFPP	GFPP	GF Noryl	SS304	ABS	PVC
100mm MPV	1800	GFPP	GFPP	GFPP	GF Noryl	SS304	ABS	PVC





Product Range	Part Number	MPV Description	Filters
Micron Top Mount F/G Filter	22804456	MPV TM40mm 6" Clamp Type MK3 Waterco	S500g INJ & 600g INJ
	228058	MPV TM 50MM 8" Clamp Type MK2 Waterco	S602g INJ - 900g INJ
	228053	MPV TM 50mm Male Threaded Port (W)	S1000, SD750 & 900
	2280600	MPV TM 65mm w B/U Waterco	S1050 & 1200
	228800	MPV TM 80mm w B/U Waterco	S1200 & 1400, SD1200 & 1400
Micron Side Mount F/G Filter	2290421	MPV SM 40mm Male & Female BSP (K)	SM400 - 600, SMD600, SMDD600
	2290512	MPV SM 50mm SF Int Thr	SM700 - 900, SMD750, SMDD750 - 1050
	22905010	MPV SM 65mm Slip Fit C/W Plumbing Kit	SM1050 & 1200, SMD1050, SMDD900 & 1050
	2290820	MPV SM 80mm C/W Plumbing Kit	SM1050 - 1600, SMD900 - 1600, SMDD900 - 1600
	2291005	MPV SM 100mm C/W Plumbing Kit	SM1600 - 2000, SMD1200 - 2000, SMDD1200 - 2000
Aquabiome	2290492	MPV 40mm W/PL.KIT AQUABIOME 400-600	ASM400 - 600
	2290592	MPV 50mm W/PL.KIT AQUABIOME 750-900	ASM750 - 900

Multiport Valves



Product Range	Part Number	MPV Description	Filters
Exotuf Top Mount	22804456	MPV TM40mm 6" Clamp Type MK3	E600, E500+, E600+
	228058	MPV TM 50mm 8" Clamp Type MK2 Waterco	E602+, E702+ Exotuf Side Mount
Exotuf Side Mount	2290421	MPV SM 40mm Male & Female BSP [K]	E500+, E600+
	22905130	MPV SM 50mm SF INT/Thread MK2 WCO	E602+, E702+
Fulflo DE Filter	2390495	MPV DE 40mm MK2 w PKIT P2027 50mm Port New	Fulflo DE Filter P2027
	23905832	DE 50mm MPV w PKIT P2036 50mm Port New	Fulflo DE Filter P2036
	23905932	DE 50mm MPV w PKIT P2048 50mm Port New	Fulflo DE Filter P2048
W/WD Filter	2280262	MPV TM 40mm 5-WAY 7 Bar (Female Thread)	All W/WD Filter Except WD900
	228026	MPV TM 40mm 5-WAY 6 Bar (Male Thread)	Old Model W/WD Filter
	228053	MPV TM 50mm	WD900
	2280587	MPV TM 50mm 8" Clamp Type 7 Bar	W900, W1050



AQUAMATIC 100 AUTO BACKWASH VALVE

Part Number	Product Description
22840040	Aquamatic 100
22840042	Aquamatic 400



SWEEP ELBOW KITS FOR MICRON SIDE MOUNT SAND FILTERS

Part Number	Product Description
121558	Sweep Elbow Kit 40mm
121559	Sweep Elbow Kit 50mm



PRESSURE GAUGES

Part Number	Product Description
62109	Dry Rear Mount 250 kPa
62161	Dry Bottom Mount 250 kPa
621630	Liquid-filled Rear Mount 400 kPa
621632	Liquid-filled Bottom Mount 400 kPa
621637	Dry Bottom Mount 800 kPa
621623	Liquid-filled Bottom Mount 1200 kPa SS316



DUAL PRESSURE GAUGE

Part Number	Product Description
621640	Dual Pressure Gauge Panel Pewter

Waterco's Dual Pressure Gauge Panel is an extremely versatile pressure measurement and test instrument. It can simultaneously display the output of two pressure gauges, so that you can accurately monitor the filter's pressure drop.

Thermoplastic Filters





EXOTUF TOP MOUNT SAND FILTERS - 40mm clamp MPVs

Part Number	Product Description	Pressure Rating
	Filter + MPV	
2260167	Exotuf E400 Filter Clamp Type	2.5 bar
22804456	MPV TM40mm 6" Clamp Type MK3	
2260206	Exotuf E500 Filter Clamp Type	2.5 bar
22804456	MPV TM40mm 6" Clamp Type MK3	
2260246	Exotuf E600 Filter Clamp Type	3.5 bar
22804456	MPV TM40mm 6" Clamp Type MK3	

- 360° Installation
- Corrosion & UV Resistant
- Lightweight

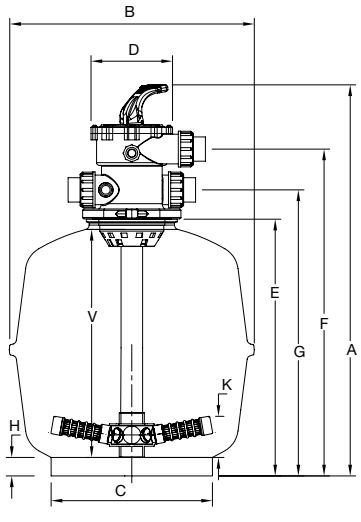
Specifications - Exotuf Top Mount Sand Filters

Filter Model	Valve Size	Inner Diameter	Filter Area	Bed Depth	Filtration Flow Rates	Max Flow	Media Volume	Glass Pearls	Ecopure Glass	Sand 16/30	Zeoplus 0.6-1.2mm
	mm	mm	m2	mm	lpm	lpm	L	kg	kg	kg	kg
E400	40	400	0.13	160	78	104	27	43	36	39	32
E500	40	500	0.20	250	120	160	62	100	82	91	74
E600	40	600	0.28	250	168	224	89	143	118	130	107

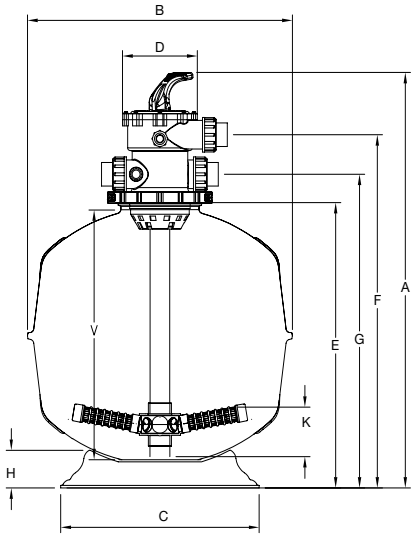
Filtration flow rate is based on 36m³/hr/m²; Max flow rate is based on a velocity of 48m³/hr/m²

Dimensions (mm)

Model	Valve Size	A	B	C	D	E	F	G	H	V	K
E400	40	822	460	280	182	535	679	588	34	480	89
E500	40	905	550	484	182	618	762	671	88	522	108
E600	40	942	650	484	182	655	799	708	88	560	115



E400



E600

Thermoplastic Filters



EXOTUF PLUS

TOP MOUNT SAND FILTERS with Fish Tail Laterals

Part Number	Product Description	Pressure Rating
	Filter + MPV	
2260202	Exotuf Plus E500 Filter Clamp Type	3.5 bar
2260248	Exotuf Plus E600 Filter Clamp Type	3.5 bar
22804456	MPV TM40mm 6" Clamp Type MK3	
2260249	Exotuf Plus E602 Filter Clamp Type	3.5 bar
2260299	Exotuf Plus E702 Filter Clamp Type	3.5 bar
228058	MPV TM50mm 8" Clamp Type MK2	

- 360° Installation
- Corrosion & UV Resistant
- Lightweight, Taller Bed
- Fishtail Lateral

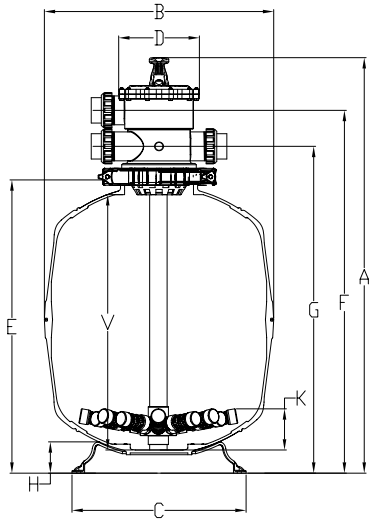
Specifications - Exotuf Plus Top Mount Sand Filters

Filter Model	Valve Size	Inner Diameter	Filter Area	Bed Depth	Filtration Flow Rates	Max Flow	Media Volume	Glass Pearls	Ecopure Glass	Sand 16/30	Zeoplus 0.6-1.2mm
	mm	mm	m^2	mm	lpm	lpm	L	kg	kg	kg	kg
E500 Plus	40	500	0.20	330	120	160	75	121	100	110	90
E600 Plus	40	600	0.28	360	168	224	120	193	160	175	144
E602 Plus	50	600	0.28	360	168	224	120	193	160	175	144
E702 Plus	50	700	0.38	430	228	304	185	298	246	270	222

Filtration flow rate is based on 36m^3/hr/m^2 ; Max flow rate is based on a velocity of 48m^3/hr/m^2

Dimension - Exotuf Plus (mm)

Model	Valve Size	A	B	C	D	E	F	G	H	V	K
E500 Plus	40	1015	552	484	182	729	873	782	88	622	103
E600 Plus	40	1095	635	484	182	809	953	862	88	706	115
E602 Plus	50	1148	635	484	220	824	1002	902	88	706	115
E702 Plus	50	1226	755	620	220	902	1080	980	90	805	145



Bag & Cartridge Filters



TRIMLINE LEAF TRAPPER - Bag not included

Part Number	Product Description	Nominal Size
Complete Set - Filter Housing with Filter Element		
3761053	Trimline C50 Leaf Trapper - without filter bag	
Filter Element		
36519265	800 Micron Filter Bag	800 micron

The **Trimline Leaf Trapper** features a durable filter bag for capturing large amounts of leaves and debris. Its clear lid allows quick visual inspection, and it is ideal for areas with heavy debris before the pool's main filtration system. The unit is compact and economical, making it suitable for negative edge pools and in-floor cleaning systems.

- Large filter bag
- One piece mould construction
- Able to withstand up to 350kPa (50psi)

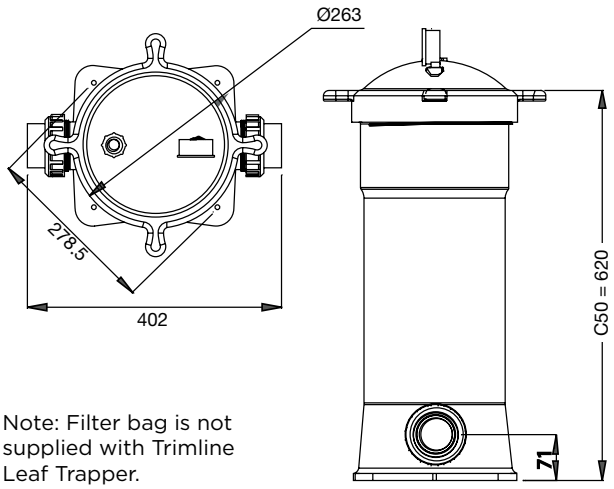
Trimline Leaf Trapper Specification

LEAF TRAPPER SPECIFICATIONS	
Max Flow Rate	340lpm
Required clearance for servicing	530mm
Maximum pressure	350kPa
Maximum temperature	40°C

FILTER BAG SPECIFICATIONS	
Surface Area	0.17m²
Diameter	178mm
Length	419mm

FILTER BAG PRODUCT CODE		
36519265	Manufactured with Nylon	800 microns

Dimensions (mm)



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

Bag & Cartridge Filters



TRIMLINE CARTRIDGE FILTERS

Part Number	Product Description	Height (mm)	Diameter (mm)	Specification
Filter Housing				
21450	Trimline CC50			3.5 bar
21475	Trimline CC75			3.5 bar
214100	Trimline CC100			3.5 bar
Filter Element				
62048	CC50 Trimline Compact Cartridge (30 micron)	385	185	50 sq.ft
62049	CC75 Trimline Compact Cartridge (30 micron)	496	185	75 sq.ft
62050	CC100 Trimline Compact Cartridge (30 micron)	747	185	100 sq.ft

Trimline Cartridge Filters are compact and economical filters designed to effectively filter out suspended solids from your pool.

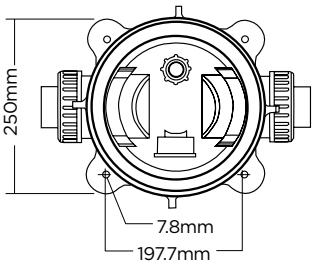
The Pleated Filter Cartridges are fabricated from pleated reusable polyester fabric. The media has been pleated in order to maximise the cartridge dirt holding capacity and extend the time between cleaning.

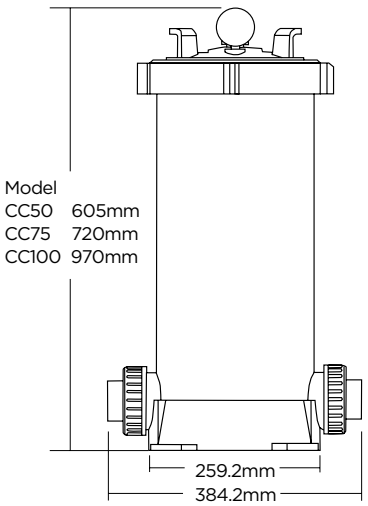
Specifications

Product Description	Filter Area		Max. Flow Rate		Max. Working Pressure		Domestic Pool Size		Overall Weight
	m^2	ft^2	lpm	gpm	kPa	psi	L	m^3	kg
Trimline CC50	4.65	50	190	50	350	50	68,400	68.4	8.6
Trimline CC75	6.97	75	285	75	350	50	100,800	100.8	10.5
Trimline CC100	9.29	100	380	100	350	50	136,800	136.8	14.0

**Pool size is calculation based on 6-hour turnover rate.*

Dimensions (mm)





Bag & Cartridge Filters



HIGH IMPACT PP

6 BAR

COMMANDOMATIC TCF FILTERS

Part Number	Product Description			Specification
2150253	TCF C25 Housing Only			6 bar
2150503	TCF C50 Housing Only			6 bar
2150753	TCF C75 Housing Only			6 bar
TCF 25 Granular Media Pre-Filter Cartridges		**Height (mm)**	**Diameter (mm)**	
62031	C25 5 Micron Cartridge	247	185	25 sq.ft
620311	C25 10 Micron Cartridge	247	185	25 sq.ft
6204020	C25 20 Micron Cartridge	247	185	25 sq.ft
62040	C25 30 Micron Cartridge	247	185	25 sq.ft
TCF 50 Pleated Polyester Filter Cartridges				
62041	C50 5 Micron Cartridge	496	185	50 sq.ft
620411	C50 10 Micron Cartridge	496	185	50 sq.ft
6204220	C50 20 Micron Cartridge	496	185	50 sq.ft
62042	C50 30 Micron Cartridge	496	185	50 sq.ft
TCF 75 Pleated Polyester Filter Cartridges				
62043	C75 5 Micron Cartridge	747	185	75 sq.ft
620431	C75 10 Micron Cartridge	747	185	75 sq.ft
6204420	C75 20 Micron Cartridge	747	185	75 sq.ft
62044	C75 30 Micron Cartridge	747	185	75 sq.ft



TCF Cartridges

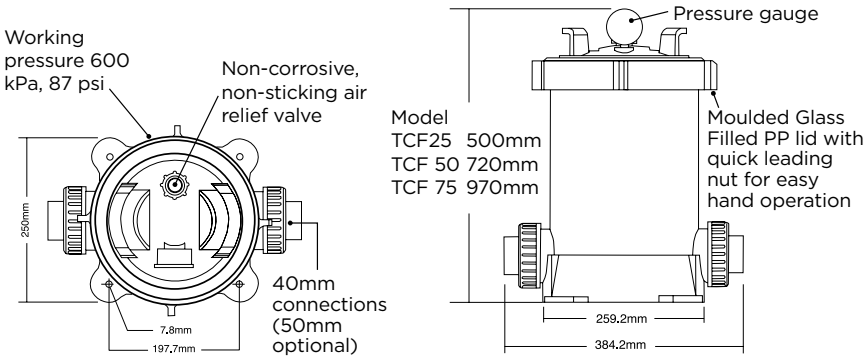
Trimline Pleated Filter Cartridges are fabricated from pleated reusable polyester fabric.

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.

Specifications

Product Description	Filter Area		Max. Flow Rate		Max. Working Pressure	
	m^2	ft^2	lpm	gpm	kPa	psi
TCF C25	2.3	25	95	25	600	87
TCF C50	4.7	50	190	50	600	87
TCF C75	6.9	75	285	75	600	87

Dimensions (mm)



Bag & Cartridge Filters



HIGH IMPACT PP

6 BAR

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 600kPa (87psi)

TRIMLINE BAG FILTER (TBF)

Part Number	Product Description
TBF Filter Housing	
3761050	C50 TBF Housing
37610750	C75 TBF Housing
37610752	C75 TBF Housing with Viton O Rings
TBF C50 Polypropylene Filter Bags	
3651931	1 Micron Filter Bag
3651924	5 Micron Filter Bag
3651925	25 Micron Filter Bag
3651926	50 Micron Filter Bag
36519261	100 Micron Filter Bag
36519265	800 Micron Filter Bag
TBF C75 Polypropylene Filter Bags	
36519310	1 Micron Filter Bag
36519240	5 Micron Filter Bag
36519250	25 Micron Filter Bag
36519260	50 Micron Filter Bag
36519262	100 Micron Filter Bag
36519266	800 Micron Filter Bag

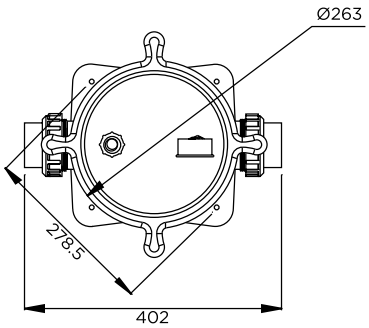
Specifications

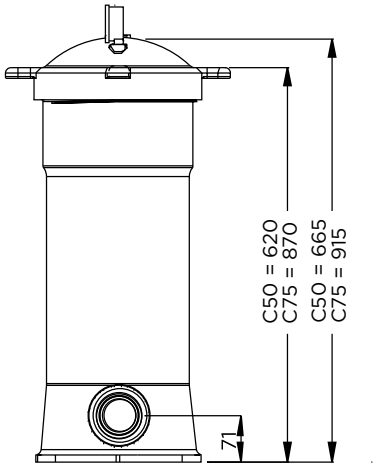
TBF SPECIFICATIONS	C50		C75	
Max Flow Rate (Residential)	55 lpm	15 gpm	88 lpm	23 gpm
Max Flow Rate (Commercial)	21 lpm	6 gpm	33 lpm	9 gpm
Required clearance for servicing	530mm	20.9”	770mm	30.3”
Maximum pressure	600kPa	87psi	600kPa	87psi
Maximum temperature	40°C	100°F	40°C	100°F
FILTER BAG SPECIFICATIONS				
Surface Area	0.17m²	1.85ft²	0.27m²	2.9ft²
Diameter	178mm	7”	178mm	7”
Length	419mm	16.5”	660mm	26”

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

**800 micron bag is nylon*

Dimensions (mm)





Bag & Cartridge Filters



OPAL
CARTRIDGE FILTERS 3.5 Bar pressure rating

Part Number	Product Description	Specification
Filter Housing		
2171350	Opal 135 Cartridge Filter	135 sq.ft
2171800	Opal 180 Cartridge Filter	180 sq.ft
217225	Opal 225 Cartridge Filter	225 sq.ft
217270	Opal 270 Cartridge Filter	270 sq.ft

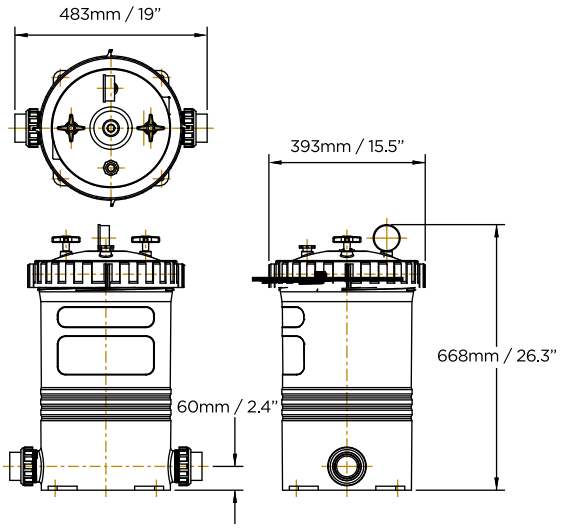
Filter Element		Height (mm)	Diameter (mm)
701041	Opal Filter Cartridge Element, 90 sq.ft	218	262
701039	Opal Filter Cartridge Element, 135 sq.ft	431	262
701038	Opal Filter Cartridge Element, 180 sq.ft	431	262
701040	Opal Filter Cartridge Element, 225 sq.ft	431	262
701041+ 701038	Opal Filter Cartridge Element, 270 sq.ft	649	262

Opal cartridge filters are designed to house an extra large filter cartridge, maximising its dirt holding capacity and minimising filter maintenance. The filter's ergonomic lid allows easy access to the filter cartridge for removal, cleaning and installation in a matter of minutes.

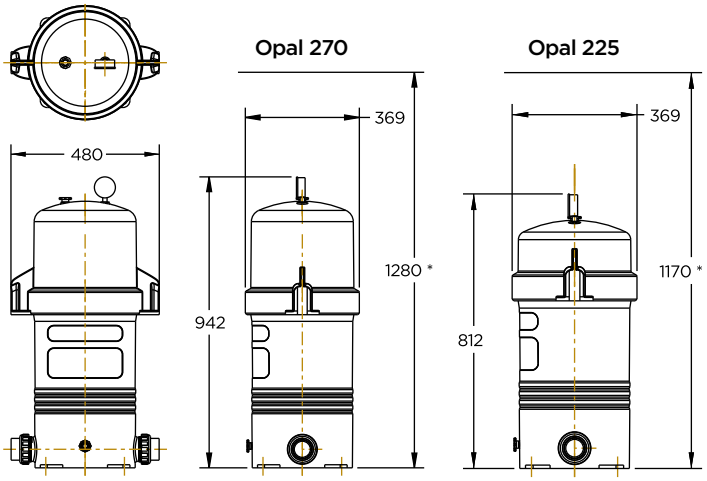
Technical Specifications

Model	Filter Area		Max Flow Rate	Working Pressure		Max Pool Size
	m^2	ft^2	lpm	kPa	psi	L
Opal 135	12.5	135	510	350	50	183,600
Opal 180	16.7	180	510	350	50	183,600
Opal 225	20.9	225	510	350	50	183,600
Opal 270	25.1	270	510	350	50	183,600

Dimensions



Opal 135/180



* Minimum Clearance Height to Remove Cartridge (mm)

Bag & Cartridge Filters



FULFLO
TRI CARTRIDGE FILTERS 3.5 Bar pressure rating

Part Number	Product Description	Specification
Filter Housing		
2165300	Fulflo Tri-Cartridge Filter C300	300 sq.ft
2165400	Fulflo Tri-Cartridge Filter C400	400 sq.ft
2165500	Fulflo Tri-Cartridge Filter C500	500 sq.ft

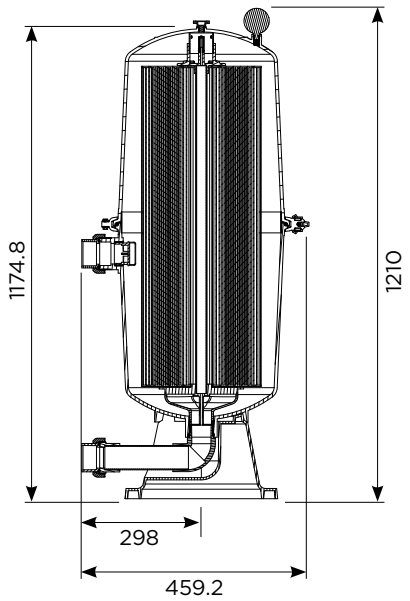
Filter Element		Height (mm)	Diameter (mm)
622810	Fulflo C300 Filter Cartridge, 100 sq.ft [3 cartridges required]	798	158
622820	Fulflo C400 Filter Cartridge, 134 sq.ft [3 cartridges required]	798	158
622830	Fulflo C500 Filter Cartridge, 167 sq.ft [3 cartridges required]	798	158

Fulflo Tri Cartridge Filters are designed to effectively filter out suspended solids from your pool. Fulflo Tri-cartridge filter houses three individual pleated filter cartridges, maximising its dirt holding capacity and minimising filter maintenance, leading to significant water savings.

Specifications

Model No.	Filter Area		Design Flow Rate	Max. Pool Size	Max. Working
	sq.ft.	m^2	lpm	L	
2165300	300	28	426	152,640	350kPa
2165400	400	37	510	183,600	350kPa
2165500	500	46	510	183,600	350kPa

Dimensions



Bag & Cartridge Filters



FULFLO DE FILTERS

3.5 Bar pressure rating

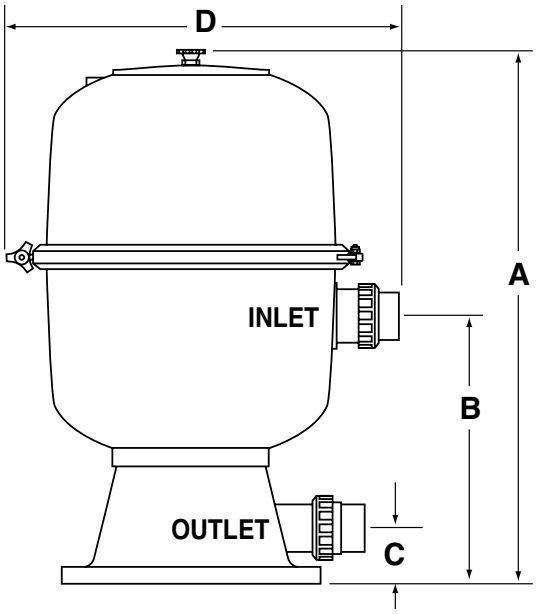
Part Number	Product Description	Specification
23048	Fulflo DE 48 c/w 50mm MPV	48 sq.ft

Built to endure the rigours and pressures of the outdoor environment, Fulflo Perl filter housings are made from specially engineered polymers that have been tested for durability and strength.

The heart of the Fulflo Perl filter is the septum, comprising 10 polypropylene covered grids. These grids are spaced far enough apart to prevent the Aquaperl from clogging while still allowing backwashing to be 100% effective.

Dimensions

Model	A	B	C	D
P2048	1250mm	615mm	95mm	500mm



Drinking Water Purifiers



GRAVITY WATER PURIFIER

Part Number	Product Description
36410008	Stoneware Purifier 8 Litre – (Incl. Gravity Ceramic Cartridge)



Gravity Ceramic Cartridge



Dome Ceramic Cartridge



CZR Cartridge

REPLACEMENT FILTER CARTRIDGES (GRAVITY PURIFIER)

Part Number	Product Description
36480401	Gravity Ceramic Cartridge
3648070	Dome Ceramic Cartridge
7743809	CZR Cartridge

Biological Filter



AQUABIOME

Part Number	Product Description
220008205	Aquabiome SM500
220008245	Aquabiome SM600
220008305	Aquabiome SM750
220008365	Aquabiome SM900
3532520	Aquabiome Media 3-5mm (20kg bag)

Aquabiome has been engineered specifically for ponds and water gardens. Aquabiome provides mechanical and biological filtration in a single housing. Its ability to support dense populations of nitrifying bacteria, its reliability and easy maintenance, makes Aquabiome especially suitable for high density recirculation systems.

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.

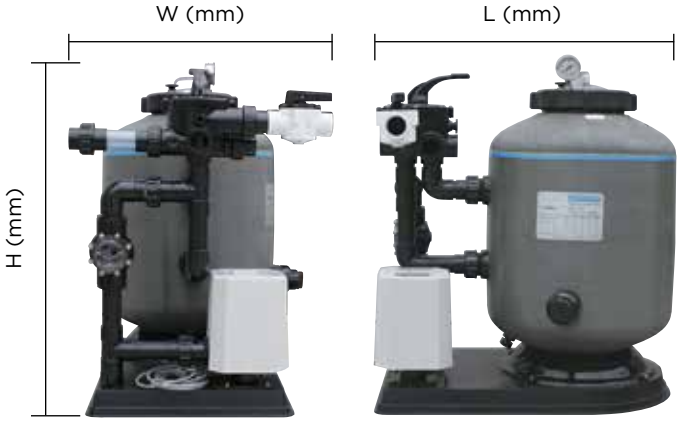
Specifications

Aquabiome	ASM500	ASM600	ASM750	ASM900
Nominal Diameter, mm	500	600	750	900
Filter Surface Area, m2	0.20	0.30	0.44	0.64
Bed Depth, mm	290	360	400	440
Media Volume, litres	68	117	199	303
Media Weight, kg	34	58.5	99.5	151.5
Biofilter Surface Area m2	74.8	128.7	218.9	333.3
Inlet/Outlet Connections	40mm	40mm	50mm	50mm
Filtration Flowrate, m3/hr	7.20	10.80	15.84	23.04
Backwash Flowrate, m3/hr	9.60	14.40	21.12	30.72
Recommended Pond Size, L	14,400	21,600	31,680	46,080
Feed Rate, kg per day	0.5	0.9	1.5	2.4
Total Ornamental Fish Weight*, kg	16.7	30	50	80
Total Aquaculture Fish Weight*, kg	50	90	150	240

* *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) - length	W (mm) - width	H (mm) - height
SM500	815	650	875
SM600	1040	650	925
SM750	1325	830	985
SM900	1328	930	1110



Biological Filter





CLEARPOND SERIES FILTER

Part Number	Product Description	Pressure Rating
	Exotuf Filter + MPV + ZeoPlus	
CP500	ClearPond E500 Filter c/w MPV and ZeoPlus	2.5 bar
CP600	ClearPond E600 Filter c/w MPV and ZeoPlus	3.5 bar

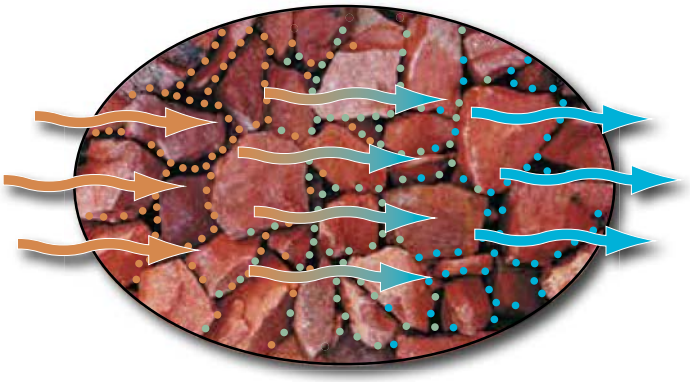
Dual Filtration

ZeoPlus provides excellent mechanical filtration of suspended particles. In addition to trapping the larger particulates between the grains of the ZeoPlus (similar to the filtration mechanism of sand), ZeoPlus is also capable of filtering the smaller particulates by catching them within its micro porous structure and surface irregularities.

It is this dual filtration action that helps ZeoPlus achieves superior water clarity.

Ammonia Removal

Ammonia is released whenever fish waste or fish food breaks down in the pond water. This chemical is very toxic to the fishes and it should be removed immediately or it needs to be converted to nitrates by nitrifying bacterias.



Zeoplus is particularly suitable for koi ponds where high levels of ammonia are an ever present danger .

Technical Specification

Model No.	Valve Size mm	Inner Dia. mm	Filter Area sq.m^2	Bed Depth mm	Max. Flow* lpm	Media Volume litres	ZeoPlus 0.6 - 1.2mm kg
CP500	40	500	0.20	250	157	62	75
CP600	40	600	0.28	250	226	89	107

Water Treatment Filters



AQUAFLO

Part Number	Product Description	Pressure Rating
AQ500	Micron W500 - c/w 40mm 5way MPV with Multi-media	7 bar
AQ600	Micron W600 - c/w 40mm 5way MPV with Multi-media	7 bar
AQ700	Micron W700 - c/w 40mm 5way MPV with Multi-media	7 bar
AQ900	Micron W900 - c/w 50mm 5way Clamp Type MPV with Multi-media	7 bar
AQ1200	Micron SMD1200 - 80mm Port Size with Multi-media	4 bar
AQ1400	Micron SMD1400 - 100mm Port Size with Multi-media	4 bar
AQ1600	Micron SMD1600 - 100mm Port Size with Multi-media	4 bar

Advantages Of FRP Filters

Fire Resistant | Longevity | Non-Conductive | Weather Proof | UV Resistant | Able to Handle Stress | Corrosion Resistant | Light Weight & Easy to Handle | Minimum Maintenance

Multi-media Filtration

Aquaflo multi-media filtration system offers multiple advantages and flexibility of media for different requirement. The standard media arrangement is able to remove Ammonia, Iron, Manganese and sediments from the water. Chlorine removal and advance mechanical filtration can be aachieved by using the GAC Plus and Glass Pearl media.

Standard Media Arrangement

Anthracite-Pure, ZeoPlus, DMI-Plus, Graded River Silica Sand, Graded Gravel

Other Media

GAC-Plus, Glass Pearl, Eco-Pure

STAINLESS STEEL VS FRP FILTERS

STAINLESS STEEL FILTER

- Heavy and difficult to mobilize
- Passivated protective layer
- Surface will be affected by chemical
- Rust over time
- Expensive passivation touch up cost
- Higher initial cost

FIBRE REINFORCED PLASTIC FILTER

- Light and easy to handle
- UV protection layer
- Inert to chemical
- Never rust
- Lower maintenance cost
- Lower initial cost

AQUAFLO TOP MOUNT

Filter Model	Flow Rates		Filter Specification (Single Filter Vessel)					
	Standard (m^3/hr)	Maximum (m^3/hr)	Diameter (mm)	Height (mm)	Port Size (mm)	Area (m^2)	Dry Weight (kg)	Media Weight (kg)
AQ500	7.0	9.5	500	2009	40	0.20	33	238
AQ600	10.0	13.5	600	1997	40	0.28	49	346
AQ700	13.5	18.0	700	2002	40	0.38	51	456
AQ900	23.0	30.5	900	1800	50	0.64	57	521

AQUAFLO SIDE MOUNT

Filter Model	Flow Rates		Filter Specification (Single Filter Vessel)					
	Standard (m^3/hr)	Maximum (m^3/hr)	Diameter (mm)	Height (mm)	Port Size (mm)	Area (m^2)	Dry Weight (kg)	Media Weight (kg)
AQ1200	40.5	54.0	1200	1935	80	1.13	175	1384
AQ1400	55.5	74.0	1400	1955	100	1.54	270	2064
AQ1600	72.5	96.5	1600	1994	100	2.01	330	2470

Model Definition

AQ	700	X

None: 1 Filter I **X:** 2 Filters I **Y:** 3 Filters I **Z:** 4 Filters I **CT / CS:** Custom Filters & Media Arrangement (Top / Side Mount)

Filter Diameter in millimetres (mm)

Aquaflo Series Multi-Media Filters

**Please contact Waterco for non-standard OR customised model.*

Water Treatment Filters



MICRON W

with MPV 7 Bar pressure rating

Part Number	Product Description
W250	Micron W250 (700kPa) - c/w 40mm 5 way MPV
W300	Micron W300 (700kPa) - c/w 40mm 5 way MPV
W350	Micron W350 (700kPa) - c/w 40mm 5 way MPV
W400	Micron W400 (700kPa) - c/w 40mm 5 way MPV
W500	Micron W500 (700kPa) - c/w 40mm 5 way MPV
W600	Micron W600 (700kPa) - c/w 40mm 5 way MPV
W700	Micron W700 (700kPa) - c/w 40mm 5 way MPV
W900	Micron W900 (700kPa) - c/w 50mm 5 way Clamp Type MPV
W1050	Micron W1050 (700kPa) - c/w 50mm 5 way Clamp Type MPV

MICRON WD

with MPV 7 Bar pressure rating

Part Number	Product Description
WD300	Micron WD300 (700kPa) - c/w 40mm 5 way MPV
WD350	Micron WD350 (700kPa) - c/w 40mm 5 way MPV
WD400	Micron WD400 (700kPa) - c/w 40mm 5 way MPV
WD500	Micron WD500 (700kPa) - c/w 40mm 5 way MPV
WD600	Micron WD600 (700kPa) - c/w 40mm 5 way MPV
WD700	Micron WD700 (700kPa) - c/w 40mm 5 way MPV

Waterco Micron filters are known for their strong performance and reliability. Made from high-grade non-corrosive materials using advanced fibreglass winding technology, they are built for long-term operation. The **Micron W and WD filters** feature 600 mm and 1000 mm filter depths respectively, providing improved in-depth filtration and higher dirt retention capacity. They can also be configured with different filter media to support multi-stage water conditioning.

Specifications - Micron W Filter (600mm bed depth)

Filter Model	Filter Area	Filtration Flow Rate			Backwash Flow Rate	Media Volume	Sand 16/30	Zeoplus 0.6-1.2mm
		24m³/hr/m2	30m³/hr/m²	36m³/hr/m²	40m³/hr/m²			
	m²	m³/hr			m³/hr	L	kg	kg
W250	0.05	1.20	1.5	1.8	2.0	41	60	49
W300	0.07	1.68	2.1	2.5	2.8	58	85	70
W350	0.10	2.40	3.0	3.6	4.0	79	115	95
W400	0.13	3.12	3.9	4.7	5.2	79	115	95
W500	0.20	4.80	6.0	7.2	8.0	123	180	148
W600	0.28	6.72	8.4	10.1	11.2	175	256	210
W700	0.38	9.12	11.4	13.7	15.2	240	350	288
W900	0.64	15.36	19.2	23.04	25.6	382	660	542
W1050	0.87	20.88	26.1	31.32	34.8	520	948	779

Dimension - W Filter (mm)

Model	A	B	C	D	E	F	G	H	V	K
W250	1385	268	304	160	1119	1252	1172	162	955	180
W300	1366	322	346	160	1100	1233	1153	175	955	180
W350	1397	366	355	160	1130	1262	1183	63	1010	180
W400	1377	416	355	160	1110	1242	1163	63	995	76
W500	1415	518	443	160	1148	1280	1201	69	1014	76
W600	1402	620	540	160	1135	1267	1188	88	992	76
W700	1407	720	540	160	1140	1272	1193	88	1015	86
W900	1800	937	735	207	1477	1655	1555	151	1377	128
W1050	1830	1085	1045	207	1507	1685	1585	170	1392	160

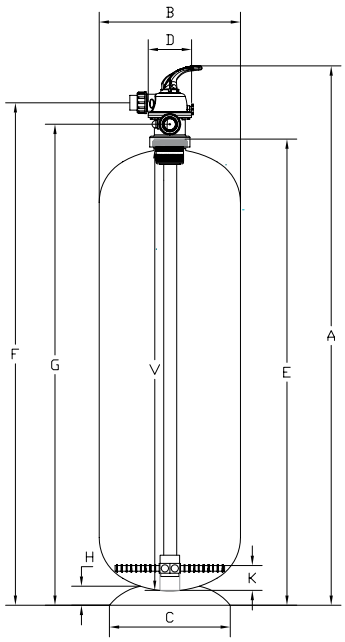
Water Treatment Filters

Specifications - Micron WD Filter (1000mm bed depth)

Filter Model	Filter Area	Filtration Flow Rate			Backwash Flow Rate	Media Volume	Sand 16/30	Zeoplus 0.6-1.2mm
		24m³/hr/m²	30m³/hr/m²	36m3/hr/m²	40m³/hr/m²			
	m²	m³/hr			m³/hr	L	kg	kg
WD300	0.07	1.68	2.1	2.5	2.8	86	126	103
WD350	0.10	2.40	3.0	3.6	4.0	116	169	139
WD400	0.13	3.12	3.9	4.7	5.2	129	188	155
WD500	0.20	4.80	6.0	7.2	8.0	199	291	239
WD600	0.28	6.72	8.4	10.1	11.2	288	420	346
WD700	0.38	9.12	11.4	13.7	15.2	394	575	473

Dimension - WD Filter (mm)

Model	A	B	C	D	E	F	G	H	V	K
WD300	1977	315	301	160	1710	1841	1762	75	1590	180
WD350	1997	366	356	160	1730	1861	1782	63	1612	180
WD400	1987	416	356	160	1720	1851	1772	63	1595	76
WD500	2009	518	443	160	1742	1873	1794	69	1600	76
WD600	1997	620	540	160	1730	1861	1782	88	1582	76
WD700	2002	720	540	160	1735	1866	1787	88	1622	86



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MICRON
W300 & W250



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Water Treatment Filters



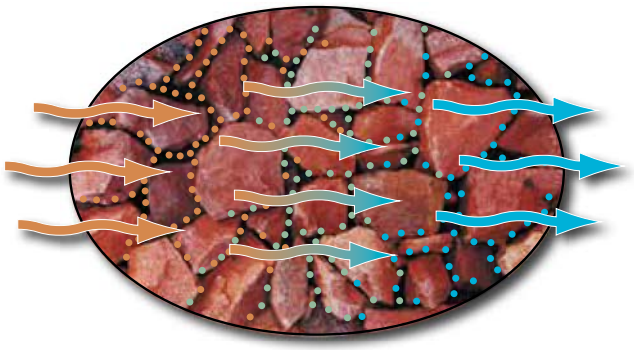
MICRON PRO SERIES FILTER

Part Number	Product Description	Pressure Rating
	Filter + MPV + ZeoPlus	
MP400	Micron W400 - c/w 40mm 5way MPV with ZeoPlus	7 bar
MP500	Micron W500 - c/w 40mm 5way MPV with ZeoPlus	7 bar
MP600	Micron W600 - c/w 40mm 5way MPV with ZeoPlus	7 bar
MP700	Micron W700 - c/w 40mm 5way MPV with ZeoPlus	7 bar
MP900	Micron W900 - c/w 50mm 5way Clamp Type MPV with ZeoPlus	7 bar
MP1050	Micron W1050 - c/w 50mm 5way Clamp Type MPV with ZeoPlus	7 bar
MPD300	Micron WD300 - c/w 40mm 5way MPV with ZeoPlus	7 bar
MPD400	Micron WD400 - c/w 40mm 5way MPV with ZeoPlus	7 bar
MPD500	Micron WD500 - c/w 40mm 5way MPV with ZeoPlus	7 bar
MPD600	Micron WD600 - c/w 40mm 5way MPV with ZeoPlus	7 bar
MPD700	Micron WD700 - c/w 40mm 5way MPV with ZeoPlus	7 bar

Dual Filtration

ZeoPlus provides excellent mechanical filtration of suspended particles. In addition to trapping the larger particulates between the grains of the ZeoPlus (similar to the filtration mechanism of sand), ZeoPlus is also capable of filtering the smaller particulates by catching them within its micro porous structure and surface irregularities.

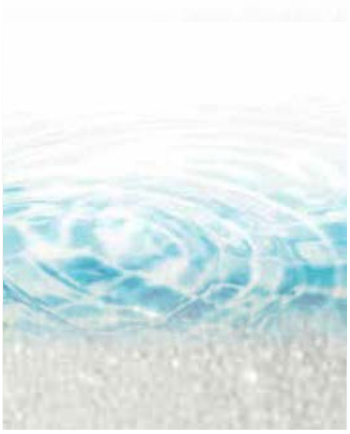
It is this dual filtration action that helps ZeoPlus achieves superior water clarity.



Technical Specification

Model	Filter	Valve Size	Inner Dia.	Filter Area	Bed Depth	Filtration Flow rate				Media Volume	Zeoplus 0.6 - 1.2mm
						20m³/hr/m²		36m³/hr/m²			
		mm	mm	m²	mm	lpm	m³/hr	lpm	m³/hr	litres	kg
MP400	W400	40	400	0.13	600	43	2.6	78	4.7	79	95
MP500	W500	40	500	0.20	600	67	4.0	120	7.2	123	148
MP600	W600	40	600	0.28	600	93	5.6	168	10.1	175	210
MP700	W700	40	700	0.38	600	127	7.6	228	13.7	240	288
MP900	W900	50	900	0.64	800	214	12.8	385	23.04	382	458
MP1050	W1050	50	1050	0.87	800	291	17.4	523	31.30	520	624
MPD300	WD300	40	300	0.07	1000	23	1.4	42	2.5	86	103
MPD400	WD400	40	400	0.13	1000	43	2.6	78	4.7	129	155
MPD500	WD500	40	500	0.20	1000	67	4.0	120	7.2	199	239
MPD600	WD600	40	600	0.28	1000	93	5.6	168	10.1	288	346
MPD700	WD700	40	700	0.38	1000	127	7.6	228	13.7	394	473

Water Treatment Filters

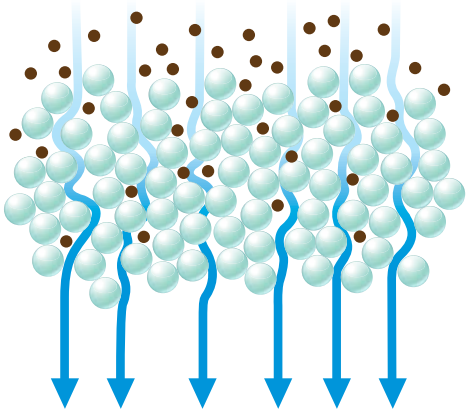


AQUACRYSTAL SERIES FILTER

Part Number	Product Description	Pressure Rating
	Filter + MPV + Glass Pearls	
AC250	Micron W250 - c/w 40mm 5way MPV with Glass Pearl	7 bar
AC300	Micron W300 - c/w 40mm 5way MPV with Glass Pearl	7 bar
AC400	Micron W400 - c/w 40mm 5way MPV with Glass Pearl	7 bar
AC500	Micron W500 - c/w 40mm 5way MPV with Glass Pearl	7 bar
AC600	Micron W600 - c/w 40mm 5way MPV with Glass Pearl	7 bar
AC700	Micron W700 - c/w 40mm 5way MPV with Glass Pearl	7 bar
AC900	Micron W900 - c/w 50mm 5way Clamp Type MPV with Glass Pearl	7 bar
AC1050	Micron W1050 - c/w 50mm 5way Clamp Type MPV with Glass Pearl	7 bar
ACD300	Micron WD300 - c/w 40mm 5way MPV with Glass Pearl	7 bar
ACD400	Micron WD400 - c/w 40mm 5way MPV with Glass Pearl	7 bar
ACD500	Micron WD500 - c/w 40mm 5way MPV with Glass Pearl	7 bar
ACD600	Micron WD600 - c/w 40mm 5way MPV with Glass Pearl	7 bar
ACD700	Micron WD700 - c/w 40mm 5way MPV with Glass Pearl	7 bar

Safe and Save

Glass Pearls are manufactured from 100% pure glass and are chemically inert. Its spherical shape with no sharp edges, making them really safe to use. The superior purity greatly reduces its initial and long term operational backwash duration which enables easy filter start up, as well as time and water savings.



Technical Specification

Model	Filter	Valve Size	Inner Dia.	Filter Area	Bed Depth	Filtration Flow rate				Media Volume	Glass Pearl 0.6 -0.8mm
						20m³/hr/m²		36m³/hr/m²			
		mm	mm	m²	mm	lpm	m³/hr	lpm	m³/hr	litres	kg
AC250	W250	40	250	0.05	600	17	1.0	30	1.8	41	66
AC300	W300	40	300	0.07	600	23	1.4	42	2.52	58	93
AC400	W400	40	400	0.13	600	43	2.6	78	4.7	79	127
AC500	W500	40	500	0.20	600	67	4.0	120	7.2	123	198
AC600	W600	40	600	0.28	600	93	5.6	168	10.1	175	282
AC700	W700	40	700	0.38	600	127	7.6	228	13.7	240	386
AC700	W900	50	900	0.64	800	214	12.8	385	23.04	382	458
AC1050	W1050	50	1050	0.87	800	291	17.4	523	31.30	520	624
ACD300	WD300	40	300	0.07	1000	23	1.4	42	2.5	86	138
ACD400	WD400	40	400	0.13	1000	43	2.6	78	4.7	129	208
ACD500	WD500	40	500	0.20	1000	67	4.0	120	7.2	199	320
ACD600	WD600	40	600	0.28	1000	93	5.6	168	10.1	288	464
ACD700	WD700	40	700	0.38	1000	127	7.6	228	13.7	394	634

Water Treatment Filters



IRON-X SERIES FILTER

Part Number	Product Description	Pressure Rating
	Filter + MPV + DMI-Plus	
IX250	Micron W250 - c/w 40mm 5way MPV with DMI-PLUS	7 bar
IX300	Micron W300 - c/w 40mm 5way MPV with DMI-PLUS	7 bar
IX400	Micron W400 - c/w 40mm 5way MPV with DMI-PLUS	7 bar
IX500	Micron W500 - c/w 40mm 5way MPV with DMI-PLUS	7 bar
IX600	Micron W600 - c/w 40mm 5way MPV with DMI-PLUS	7 bar
IX700	Micron W700 - c/w 40mm 5way MPV with DMI-PLUS	7 bar
IX900	Micron W900 - c/w 50mm 5way Clamp Type MPV with DMI-PLUS	7 bar
IX1050	Micron W1050 - c/w 50mm 5way Clamp Type MPV with DMI-PLUS	7 bar
IXD300	Micron WD300 - c/w 40mm 5way MPV with DMI-PLUS	7 bar
IXD400	Micron WD400 - c/w 40mm 5way MPV with DMI-PLUS	7 bar
IXD500	Micron WD500 - c/w 40mm 5way MPV with DMI-PLUS	7 bar
IXD600	Micron WD600 - c/w 40mm 5way MPV with DMI-PLUS	7 bar
IXD700	Micron WD700 - c/w 40mm 5way MPV with DMI-PLUS	7 bar

Proven Iron and Manganese Removal

DMI-Plus catalytic surface contains Manganese Oxide that oxidizes Ferrous Bicarbonate to Ferric Hydroxide. Insoluble Ferric Hydroxide will then be removed through media surface. The catalytic surface of DMI-Plus oxidizes manganese to manganese hydroxide, in which it will be adsorbed and swapped with molecular oxygen in the lattice on catalytic surface.



Technical Specification

Model	Filter	Valve Size	Inner Dia.	Filter Area	Bed Depth	Filtration Flow rate 30m³/hr/m²		Media Volume	Sand 16/30	Iron-X 0.3 - 0.6mm
		mm	mm	m²	mm	lpm	m³/hr	litres	kg	kg
IX250	W250	40	250	0.05	600	25	1.5	41	6	60
IX300	W300	40	300	0.07	600	35	2.1	58	8	85
IX400	W400	40	400	0.13	600	65	3.9	79	12	115
IX500	W500	40	500	0.20	600	100	6.0	123	18	180
IX600	W600	40	600	0.28	600	140	8.4	175	26	256
IX700	W700	40	700	0.38	600	190	11.4	240	35	350
IX900	W900	50	900	0.64	800	320	19.2	382	56	502
IX1050	W1050	50	1050	0.87	800	435	26.1	520	76	683
IXD300	WD300	40	300	0.07	1000	35	2.1	86	13	126
IXD400	WD400	40	400	0.13	1000	65	3.9	129	19	188
IXD500	WD500	40	500	0.20	1000	100	6.0	199	29	291
IXD600	WD600	40	600	0.28	1000	140	8.4	288	42	420
IXD700	WD700	40	700	0.38	1000	190	11.4	394	58	575

**Max Filtration flow rate is 30m3/hr/m2*
**Recommend backwash rate is 40-48m³/hr/m²*
**Sand is required to be placed below as supporting bed*

Water Treatment Filters



CHLORFREE SERIES FILTER

Part Number	Product Description	Pressure Rating
	Filter + MPV + GAC-Plus	
CF250	Micron W250 - c/w 40mm 5way MPV with GAC-PLUS	7 bar
CF300	Micron W300 - c/w 40mm 5way MPV with GAC-PLUS	7 bar
CF400	Micron W400 - c/w 40mm 5way MPV with GAC-PLUS	7 bar
CF500	Micron W500 - c/w 40mm 5way MPV with GAC-PLUS	7 bar
CF600	Micron W600 - c/w 40mm 5way MPV with GAC-PLUS	7 bar
CF700	Micron W700 - c/w 40mm 5way MPV with GAC-PLUS	7 bar
CF900	Micron W900 - c/w 50mm 5way Clamp Type MPV with GAC-PLUS	7 bar
CF1050	Micron W1050 - c/w 50mm 5way Clamp Type MPV with GAC-PLUS	7 bar
CFD300	Micron WD300 - c/w 40mm 5way MPV with GAC-PLUS	7 bar
CFD400	Micron WD400 - c/w 40mm 5way MPV with GAC-PLUS	7 bar
CFD500	Micron WD500 - c/w 40mm 5way MPV with GAC-PLUS	7 bar
CFD600	Micron WD600 - c/w 40mm 5way MPV with GAC-PLUS	7 bar
CFD700	Micron WD700 - c/w 40mm 5way MPV with GAC-PLUS	7 bar

Versatile Adsorbent Filtration

Treatment with GAC-Plus is based primarily on the phenomenon known as adsorption, in which molecules of a liquid adhere to an external or internal surface. GAC-Plus has a very large internal surface area (up to 900 m^2/g) which makes it highly suitable for adsorption.

Advantages

- **Versatility & high adsorption**
  Capacity in various raw water source
- **Potable water grade**
  For peace of mind
- **Endorsed Certification**
  EN12915, NSF61 Endorsed certification
  AWWA B604, Halal Certified, Kosher Certified, Food Chemicals Code
- **Convenient**
  Simply apply to water with desired concentration
- **Low cost**
  Works well without any dosing equipment

Technical Specification

Model	Filter	Valve Size	Inner Dia.	Filter Area	Bed Depth	Filtration Flow rate 20$m^3/hr/m^2$		Media Volume	GAC-Plus 0.6mm
		mm	mm	m^2	mm	lpm	m^3/hr	litres	kg
CF250	W250	40	250	0.05	600	17	1.0	41	17
CF300	W300	40	300	0.07	600	23	1.4	58	24
CF400	W400	40	400	0.13	600	43	2.6	79	33
CF500	W500	40	500	0.20	600	67	4.0	123	52
CF600	W600	40	600	0.28	600	93	5.6	175	74
CF700	W700	40	700	0.38	600	127	7.6	240	101
CF900	W900	50	900	0.64	800	213	12.8	382	176
CF1050	W1050	50	1050	0.87	800	291	17.4	520	239
CFD300	WD300	40	300	0.07	1000	23	1.4	86	36
CFD400	WD400	40	400	0.13	1000	43	2.6	129	54
CFD500	WD500	40	500	0.20	1000	67	4.0	199	84
CFD600	WD600	40	600	0.28	1000	93	5.6	288	121
CFD700	WD700	40	700	0.38	1000	127	7.6	394	165

Maximum backwash flow rate 20$m^3/hr/m^2$

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ENHANCED BIOLOGICAL FILTRATION SYSTEM



AQUABIOME

Enhanced Biological Filtration System



FILTER MEDIA

Filter Sand----------94
Glass Pearls----------94
Zeoplus----------94
Biological Filtration----------95
DMI Plus----------95
GAC Plus----------95



Filter Media

WATERCO FILTER MEDIA

Part Number	Product Description	Packing Size	Bulk Density
W03701	Waterco Sand 0.6 - 1.2mm (only for West Malaysia)	25 kg	1.46 kg/L
W99376	Waterco Sand 0.6 - 1.2mm (only for West Malaysia)	50 kg	1.46 kg/L
35320011	Glass Pearls 0.6 - 0.8mm	20 kg	1.61 kg/L
3535013	Waterco ZeoPlus 0.3 - 1.2mm	25 kg	1.20 kg/L
3535011	Waterco ZeoPlus 0.6 - 1.2mm	25 kg	1.20 kg/L
3532520	Aquabiome Media 3 - 5mm	20 kg	0.50 kg/L
3532010	Iron Removal Resin DMI65 0.3 - 0.6mm	21 kg	1.46 kg/L
W01440	Granular Activated Carbon GAC Plus 0.4 - 1.7mm	25 kg	0.46 kg/L
W01451	Anthracite Filter Media 1.0 - 2.0mm	25 kg	0.8kg/L
W01452	Waterco Gravel 3-6mm River Sand	50 kg	1.4 - 1.5kg/L



FILTER SAND

Filter sand is naturally occurring, graded and washed silicon dioxide. An inert media, it is hard and durable and has a long service life.



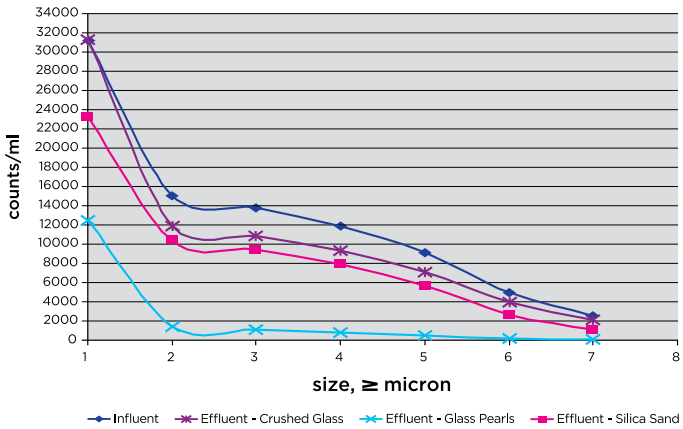
GLASSPEARL

Manufactured from pure glass, Glass Pearls are a new generation of filter media, capable of providing water of superior clarity.

Its spherical shape results in low coefficient of friction, reducing backwash requirements, saving pool owners both time and water.

- 3 micron filtration
- High purity
- Time saving
- 20% less backwash water
- Safe and smooth
- 0.6mm to 0.8mm in size

Particle Count Comparison





ZEOPLUS

ZeoPlus is a naturally occurring mineral rock, found in areas where there has been historic volcanic activity. Its microporous structure and ammonia removal properties will significantly improve the quality of your swimming pool water.

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.



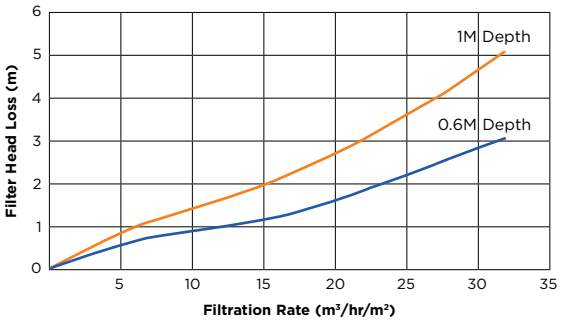
DMI PLUS

DMI Plus is an extremely powerful catalytic water filtration media that is designed for the removal of iron and manganese in water. The media displays colour from dark brown to black, in which the colour is produced by Manganese Oxide in the outer layer of the granules. DMI Plus acts as an oxidation catalyst with immediate oxidation and filtration of the insoluble precipitates.

Linear Velocity for Iron & Manganese Concentrations

Iron Concentration	Linear velocity	Manganese Concentration
0.3 - 1.0 ppm	15 - 20 $m^3/hr/m^2$	–
1 - 5 ppm	10 - 15 $m^3/hr/m^2$	–
5 - 15 ppm	7 - 10 $m^3/hr/m^2$	0.5 - 1 ppm
> 15 ppm	5 - 7 $m^3/hr/m^2$	1 - 2 ppm

Filter head Lost Curves for DMI Plus



DMI-Plus Physical and Chemical Characteristic

Physical Properties	Specification
Color	Brown to Black
Bulk Density	1460kg/m^3
Specific Gravity	2.69
Effective Size	0.3 - 0.6mm
Iodine Number	850 mg/g
Uniformity Coefficient	1.4
pH Range	5.8 - 8.6
Max Water Temp.	50°C



GAC PLUS

GAC Plus granular activated carbon has porous structure that effectively removes dissolved organic matter, pesticides and chlorine in raw water source, while significantly improves water quality.

- Removal of chlorine
- Removal of taste and odour problems
- Removal of organic and non polar contaminants

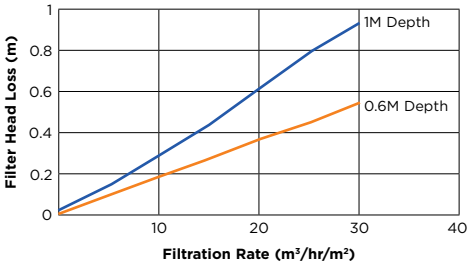
GAC-Plus Specification

Description	Specification
Apparent Density	460 kg/m^3
Effective Size	1.70 - 0.43mm
Methylene Blue Adsorption	14g/100g
Total Surface Area	900m2/g
Ball-pan Hardness	96%
Effective Size D10	0.6 mm
Uniformity coefficient	< 1.7
Ash Content	Max. 15%

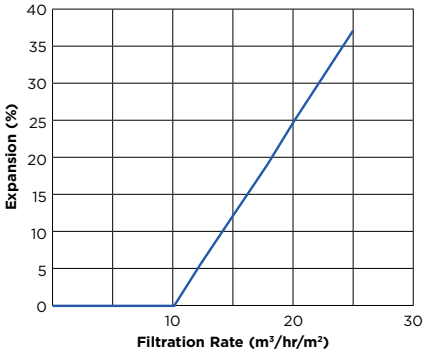
Approvals and Certifications

- EN12915
- NSF 61 Standard
- AWWA B604
- Halal certified
- Kosher certified
- Food Chemicals Codex

Head Loss Curves for GAC-Plus

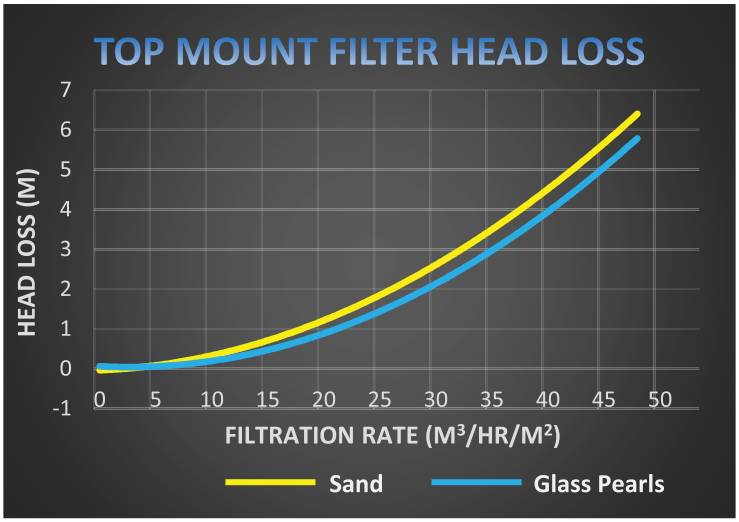


GAC-Plus Expansion During Backwash



EFFICIENCY IN FILTRATION DESIGN

Filtration rate or filtration velocity affects filtrate quality, head loss and power consumption. In pool and spa application, normally the filtration rate falls in between 30 – 36 $m^3/hr/m^2$.



Refer in-house test result:

- When you decrease sand filter filtration rate from 36$m^3/hr/m^2$ to 24 $m^3/hr/m^2$, head loss will be halved.
- By using glass pearls, filter head loss is recorded to drop approximately 20% (at 30 – 36 $m^3/hr/m^2$).

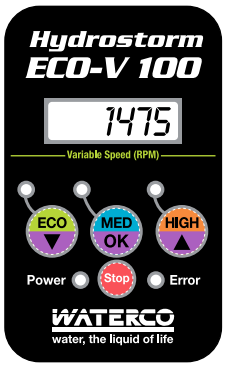
*For info on glass pearls, please refer page 80.

By splitting filtration into 2 filters, filtration rate can be made lower, thus increasing filtration efficiency and reducing pump work load. Example of Supastream 100 with S600 as below:

Filtration (S600)	Backwash (S600)
Split between 2 filters	Isolate one filter
117 lpm	234 lpm
25$m^3/hr/m^2$	**50$m^3/hr/m^2$**







Using variable speed pump is another option to achieve slow filtration rate, at the same time save electricity cost. Example of Hydrostorm ECO-V100 with S702 as below:

Filtration (S702)	Backwash (S702)
Low speed	High speed
126 lpm	252 lpm
20$m^3/hr/m^2$	**40$m^3/hr/m^2$**
0.28kW/hr	**0.86kW/hr**

**For info on energy efficient pump, please refer page 17-19.*

GLASSPEARL

Superior filter media



Waterco's Glass Pearls are manufactured from 100% pure glass and offer much finer filtration than conventional filter media.

- Superior filtration below 3 microns
- Up to 20% less water required for backwashing
- 0.6mm to 0.8mm in size
- Chemically inert and free from contaminants

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HEATERS & CHILLER

Electroheat MKV
9kW/12kW/15kW/19kW/23kW-------- **100**

Electroheat Plus MKIII
25kW/31kW/44kW---------- **102**

Electroheat ECO-V Side Vent -------- **103**

Electroheat PRO Inverter ---------- **104**

Electroheat PRO 110/150/250------- **105**

VitaHeat Hot Water System Heat Pumps 9.5kW/20kW/40kW/
50kW/60kW/70kW/105kW ---------- **109**

Electrochill Chiller---------- **111**

Electroheat Bypass Kit
283mm/360mm/460mm---------- **112**

Flocheck Valve---------- **112**

Digiheat
2.4kW/3.6kW/4.8kW/6.0kW/
18kW/24kW---------- **114**

SolarMate
Classic/Sapphire---------- **117**
Apollo---------- **118**



Electr Heat MKV



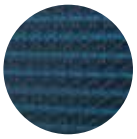
Smart controls - for temperature management and self diagnosis



Dual coil titanium heat exchanger - Maximising water contact for efficient heat transfer



Unique modern robust design – noise & vibration reduction



Hydrophilic Blue fin evaporator technology – improved corrosion resistance



Improved condensate collection – two fitted spigots to allow drainage hose connection

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Heating



Electr Heat MKV - R32

Part Number	Product Description	Nominal Size
278095328	Electroheat Rect MKV 9kW SV 240V R32 10A Cable & Plug Spiral	9kW
278123328	Electroheat Rect MKV 12kW SV 240V R32 15A Cable & Plug Spiral	12KW
278152328	Electroheat Rect MKV 15kW SV 240V R32 Spiral	15KW
278192328	Electroheat Rect MKV 19kW SV 240V R32 Spiral	19KW
278232328	Electroheat Rect MKV 23kW SV 240V R32 Spiral	23KW

Electroheat MKV pool heat pumps feature compact design and horizontal venting and are ideal for heating:

- Available in 9, 12, 15, 19 & 23kW heating capacities

The Electroheat heat pump range are an ideal solution for heating:

- Swimming pools to extend the season
- Swimming pools for year round enjoyment
- Plunge pools
- Swim spas and spas

Performance Specifications					
	Electroheat MKV				
Nominal Power Output (kW)*	9	12	15	19	23
Nominal Heating Capacity BTU*	30,700	41,000	51,000	64,000	78,500
Product Code	**278095328**	**278123328**	**278152328**	**278192328**	**278232328**
Power Output (kW): Air 26°C / Water 26°C / RH63%	8.9	11.7	13.5	18.5	21.8
COP	5.9	6.1	6.1	6.3	6.2
Power Output (kW): Air 15°C / Water 24°C / RH 70%	6.8	9.2	9.4	17.0	20.0
COP	4.8	4.8	4.3	5.8	5.7
Supply Voltage (VAC)	240	240	240	240	240
Supply Voltage Phase	Single Phase				
Power Consumption (kW/h)	1.5	1.9	2.2	2.9	3.5
Full Load Amps	9	12	12	22	30
Minimum Breaker or Fuse (AMP)	16	20	20	30	40
Electrical Connection	10A plug	15A plug	Terminals		
Min. / Max. Ambient Air Temperature (°C)	10 / 40				
Min. / Max. water inlet temp (°C)	18 / 40				
Water Connections (mm)	40mm				
Bypass	External 3 x 2 way				
Min. / Max. Water Flow Rate LPM	120 - 230				
Unit Dry Weight (kg)	51	55		79	
Dimensions W x L x H (mm)	1269 x 361 x 717				
Refrigerant	R32				
Heat Exchanger Max. pressure	3.5 bar / 350 kPa				

Related products:
Electroheat Ultra range - Pool heat pumps with hot gas de-icing for cold climates.
Electroheat Pro range - Pool heat pumps for commercial applications.
Electroheat ECO V range - Pool Heat pumps with inverter technology.

Clearance

Clearance to rear minimum 30cm



No obstruction to front 4m minimum

Dimensions



Heating



Electr Heat Plus MKIII - R32

Part Number	Product Description	Nominal Size
2782533328	Electroheat Plus 25 3PH 50Hz R32 Spiral	25 kW
2783133328	Electroheat Plus 31 3PH 50Hz R32 Spiral	31 kW
2784433328	Electroheat Plus 44 3PH 50Hz R32 380-50-3 Spiral	44 kW

The **Electroheat Plus** features an extra-large evaporator area for maximum ambient heat extraction and uses vertical ventilation for efficient operation. It is ideal for heating swimming pools for year-round use, extending the swimming season, or for pools where roof space for solar heating is limited. The unit is available in **25, 31, and 44 kW heating capacities.**

Performance Specifications			
	Electroheat Plus		
Nominal Power Output (kW)*	**25**	**31**	**44**
Nominal Heating Capacity BTU*	85,000	105,000	150,000
Power Output (kW): Air 26°C/ Water 26°C / RH63%	24.5	30.6	43.7
COP	4.9	5.5	5.7
Power Output (kW): Air 15°C / Water 24°C / RH70%	22.5	28.5	42.0
COP	4.5	5.2	5.4
Supply Voltage (VAC)	380 - 415		
Supply Voltage Phase	Three Phase		
Power Consumption (kW/h)	5.0	5.6	7.7
Full Load Amps (AMP)	12	14	17
Minimum Breaker or Fuse (AMP)	20	25	32
Electrical Connection	Terminals		
Min./Max. Ambient Air Temperature (°C)	10 / 40		
Min./Max. water inlet temp (°C)	18 / 40		
Water Connections (mm)	40mm slip		
Water Bypass Type	External Field		
Min./Max. Water Flow Rate LPM	120 - 230	130 - 300	
Weight (kg)	104	137	167
Dimensions W x L x H (mm)	750x850x1000	890 x 880 x 1130	
Refrigerant	R32		



Twisted Titanium coil

- Increases heat transfer coefficient by reducing boundary layer thickness along the tube surface
- Increases pressure drop as there is significant flow impedance
- Reduces scale buildup and biofilm formation to reduce dead zones on coil surface

Clearance



Dimensions



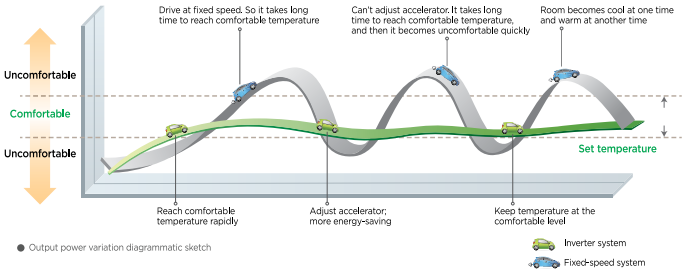
Heating



Electr Heat ECO-V - Side Vent

Electroheat ECO-V side vent inverter pool heat pumps utilise a variable speed compressor to regulate the pool water temperature automatically and independently.

- Inverter technology uses a variable speed compressor motor similar to a car's engine.
- It slows down and speeds up as needed to hold a selected set temperature
- The desired set temperature will be reached more quickly and maintained more efficiently.
- Inverter technology provides a more precise water temperature without the fluctuations and power wastage of fixed speed systems.
- Inverter technology is significantly more energy efficient with energy savings of up to 30% over fixed speed systems.
- The speed control of the compressor and fan motor also means quieter operation.



Part Number	Product Description	Nominal Size
27809118	Electroheat ECOV 9KW SV 240V R32 10A CABLE & PLUG	9 kW
27812118	Electroheat ECOV 12KW SV 240V R32 10A CABLE & PLUG	12 kW
27815118	Electroheat ECOV 15KW SV 240V R32 10A CABLE & PLUG	15 kW
27820118	Electroheat ECOV 20KW SV 240V R32 10A CABLE & PLUG	20 kW

Specifications

Performance Specifications - Electroheat ECO-V Inverter Side Vent						
Model			**9kW**	**12kW**	**15kW**	**20kW**
Air 27C / Water 26C	Heating Capacity	kW	6.8 ~ 1.9	11.9 ~ 3.8	14.5 ~ 4.2	20.2 ~ 5.3
	Electrical Input	kW	1.19 ~ 0.21	1.4 ~ 0.25	2.4 ~ 0.48	3.0 ~ 0.5
	COP		5.69 ~ 9.04	8.48 ~ 15.2	5.99 ~ 8.75	6.64 ~ 10.6
	Normal Current	Amps	5.1 ~ 0.9	6.1 ~ 1.1	10.4 ~ 2.1	13.0 ~ 2.2
Air 15C / Water 26C	Heating Capacity	kW	5.1 ~ 1.4	9.2 ~ 2.5	12.2 ~ 3.5	17.0 ~ 4.5
	Electrical Input	kW	1.00 ~ 0.18	1.86 ~ 0.32	2.36 ~ 0.46	3.62 ~ 0.61
	COP		5.05 ~ 8.0	4.95 ~ 7.8	4.85 ~ 7.6	4.7 ~ 7.4
	Normal Current	Amps	4.38 ~ 0.8	8.08 ~ 1.4	9.85 ~ 2.0	15.7 ~ 2.65
Power Supply		V / Hz	230-240VAC / 50Hz			
Supply Voltage Phase			Single Phase			
Breaker or fuse size		Amps	16	20	20	20
Electrical Connection			10A Plug	10A Plug	15A Plug	Terminals
Set Temperature range		°C	15°C ~ 40°C			
Operating Temp range		°C	-10°C ~ 43°C			
Water Heat Exchanger			Titanium Coil / PVC Tank			
Heat Exchanger Max. Pressure			3.5 bar / 350kPa			
Compressor			Inverter			
Compressor Quantity			1			
Fan Quanity			1			
Exhaust Direction			Horizontal			
Water Inlet / Outlet Dimension			1.5”			
Hydraulic Connection		mm	PVC 40 SLIP			
Nominal Water flow		LPM	70 - 80	84 - 94	100 - 110	110 - 120
Sound Pressure at 1M		dB(A)	50 ~ 59			
Sound Pressure at 10M		dB(A)	32 ~ 42			
Unit Dimensions (L*W*H)		mm	1269 * 370 * 714			
Cabinet Material			Polymer			
Net Weight		kg	50	53	59	67
Refrigerant			R32			
Display			LED			
Fast Evaporator De-icing			Yes			
Evaporator Area m²			0.59	1.16	1.16	1.71
Modes			Heating / Cooling			

Heating



Electr Heat PRO - Inverter

The new Electroheat PRO 60 inverter pool heat pump is a high-performance, energy-efficient pool heat pump designed for commercial applications. It's known for its powerful heating capacity and innovative inverter technology, which allows for precise temperature control and significant energy savings. Designed for ease of use and installation, it offers advanced features like electronic temperature control, fault diagnostics, and titanium heat exchangers for durability. With its powerful heating capacity and eco-friendly design, the Electroheat PRO is a reliable choice for maintaining optimal pool temperatures.

- Heating, Cooling and Auto mode selection
- Heating Temperature range 18°C - 40°C
- Cooling temperature range 12°C - 30°C
- Intuitive touch control panel with WIFI / APP control and RS485
- Aluminium alloy casing
- Titanium twisted coil exchangers for maximum heat transfer
- Blue fin dipped evaporator for enhanced heat absorption
- High performance Mitsubishi DC Inverter compressor
- Twin horizontal fans for maximum airflow
- Automatic hot gas de-icing for cold climates
- Easy to connect single in / out slip water connections
- Easy cable entry and electrical connection access
- Integral flow switch protecting equipment from operation when no flow is detected

Electroheat PRO INVERTER Tech Specs		
Model		**60KW**
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%		
Turbo Mode	Heating capacity (kW)	60.0
	COP range	6.2-15.1
	COP @ 50% speed	12.0
Perfect Mode	Heating capacity (kW)	48.5
	COP range	7.5-15.1
	COP @ 40% speed	12.7
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%		
Turbo Mode	Heating capacity (kW)	42.0
	COP range	4.6-8.1
	COP @ 50% speed	7.5
Perfect Mode	Heating capacity (kW)	34.0
	COP range	5.6-8.1
	COP @ 40% speed	7.9
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%		
Cooling capacity (kW)		25.0
TECHNICAL SPECIFICATIONS		
Operating air temperature (°C)		-20-43°C
Compressor		Mitsubishi DC Inverter Compressor
Cabinet		Aluminium Alloy
Heat exchanger		Twisted Titanium
Fan direction		Horizontal
Airflow (m^3/h) each		9500
Fan Diameter (mm)		552
Min./Max. Air Inlet Temperature (°C)		>-20° - 43°
Power supply		400 - 415V 3N- 50Hz AC
Rated input power (kW)		1.88-7.50
Rated input current (A)		2.72-10.87
Maximum input current (A)		19
Min breaker rated current (A)		32
Power cord (mm^2)		5 core x $4mm^2$
Sound level at 1m dB(A)		51.0-59.0
Sound level 50% at 1m dB(A)		53
Sound level at 10m dB(A)		30.0-39.0
Water Flow (LPM)		330 - 400
Water connection (mm)		65mm slip
Min./Max. Water Inlet Temperature (°C)		6° - 40°
Net dimension LxWxH (mm)		1545 x 458 x 1630
Net Weight (kg)		217
Refrigerant Type		R32
Refrigerant Weight (g)		4800





Electr Heat PRO

Part Number	Product Description	Nominal Size
27883803025	Electroheat Pro 110 (3 Phase)	110kW

The Electroheat PRO 110 heat pump has been designed to deliver efficient cost-effective large pool heating in an easy to operate and install package.

- Titanium twisted coil exchangers for maximum heat transfer
- Blue fin dipped evaporators for enhanced heat absorption
- Twin high performance 12 HP scroll compressors
- Twin fans for maximum airflow
- Automatic hot gas de-icing for cold climates
- Easy to connect single in / out 80mm water connections
- Easy cable entry and electrical connection access
- Integral flow switch protecting equipment from operation when no flow is detected
- Noise emission: 58 dBA@ 3 metres



Electroheat PRO 110 Commercial heat pump

The **Electroheat PRO 110** commercial heat pump is designed to deliver high output and reliable performance for commercial applications. It features a durable powder-coated metal cabinet for strong protection and an ultra-rigid metal base with forklift access, allowing safer transport and easier installation.



Double Coil Titanium Heat Exchanger

With a larger surface area and longer contact time, this Waterco innovation improves heat transfer and delivers high efficiency. The **titanium heat exchanger** provides strong protection against erosion and corrosion due to its stable protective oxide layer. Titanium is highly resistant to chlorinated water, ozone, iodine, bromine, Baquacil, and salt water.



Vibration Dampening Refrigerant System

A heat pump on a commercial scale requires a large amount of refrigerant. To ensure the refrigerant piping system of Electroheat PRO 110 can accommodate such load, various part of the piping has been secured rigidly with clamps and cushion.



Efficient Condensate Collector

Electroheat PRO 110 has simplified condensate collection to minimise the formation of water puddles in operation. By diverting condensate appropriately, it minimises the drainage point of the heat pump.

Heating





Electr Heat PRO

Part Number	Product Description	Nominal Size
27883803030	Electroheat Pro 150	150kW
27883803050	Electroheat Pro 250	250kW

The new generation Electroheat PRO series of heat pumps is the latest advancement in commercial size swimming pool heating. The heat pumps have been designed to deliver efficient and cost effective large pool heating in an easy to operate and install package.

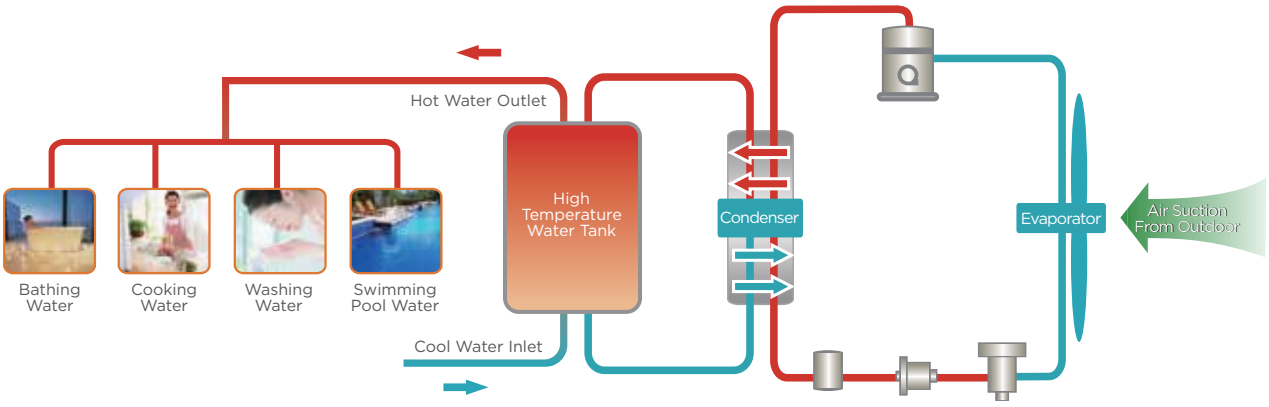
- Hydrophilic aluminium evaporator
- Electronically controlled temperature management
- Hermetic scroll compressors
- Titanium heat exchangers
- R410A Refrigerant
- Energy-saving heating solution
- Delayed compressor operation as safety feature



Air source heat pump is the innovative heating equipment, which emphasizes on conservation in energy generation and environmental friendly technology. It is a highly efficient machinery in absorbing and transferring energy.

Its operation principle is based on the Reversed Carnot Cycle. By continuously absorbing the surrounding air, the Electroheat Pro Heat Pump is able to conduct heating at a fast rate while ensuring energy conservation and environmental-friendliness.

The high efficiency of Electroheat Pro heat pump is coupled with low operating cost. Its power consumption is only a quarter to that of electrical water heater.



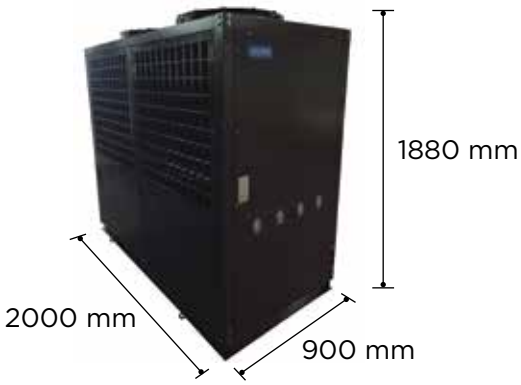
Heating

Specifications

Model Number	Electroheat PRO 110
Nominal Heating Cooling Capacity*	
Power Output Heat (27/27/80)	110 kW (376,000 BTU)
Power Output Heat (24/27/70)	105 kW (358,000 BTU)
Power Output Heat (15/27/70)	85 kW (290,500 BTU)
Power Output Heat (-5/27/63)	46 kW (157,900 BTU)
Power Output Cool (35/27/70)	60 kW (205,800 BTU)
Coefficient of Performance@27/27/80 (COP)	5.36
Compressor	(2 x) 12 HP
Water Flow & Plumbing Characteristics	
Water Bypass Type	Ext. field install
Min/Max Water Flow Rate (LPM)	650 - 750
Min/Max Water Inlet Temperature (°C)	14 - 40
Plumbing Connection Size (Slip) (mm)	80
Electrical Characteristics	
50Hz Dual Rated Supply Voltage (VAC)	380 - 415
Supply Voltage Phase	3
Max HACR Breaker or Fuse (AMP)	60
Average unit input current (AMP)	40
Maximum unit input current (AMP)	54
Normal power consumption (kW)	16.6
Max. Fan Speed (RPM)	900
Fan Motor	Axial
Fan Full Load Amp (FLA) each	1.4
Air Flow (CFM) each	9500/ 5613
Fan Diameter (mm)	630
Min/Max Air Inlet Temperature (°C)	>0/ 40
Refrigerant Characteristics	
Refrigerant Type	R-410A
Initial Factory Refrigerant Charge (kg)	(2 x) 5.5
Evaporator	Hydrophilic aluminium
Heat Exchanger	Titanium in PVC
Expansion system	(2 x) Expansion valve
Physical Characteristics	
Cabinet Construction	Powder coat steel
Colour	Black
Weight (kg)	530
Dimensions (W x L x H) (mm)	900 x 2000 x 1880
Noise Emission Characteristics	
Noise Emission (dBA)	58@3 m

*(27/27/80) = Air Temp: 27°C/ Water Temp 27 °C/ Humidity 80%

Dimensions



Clearance

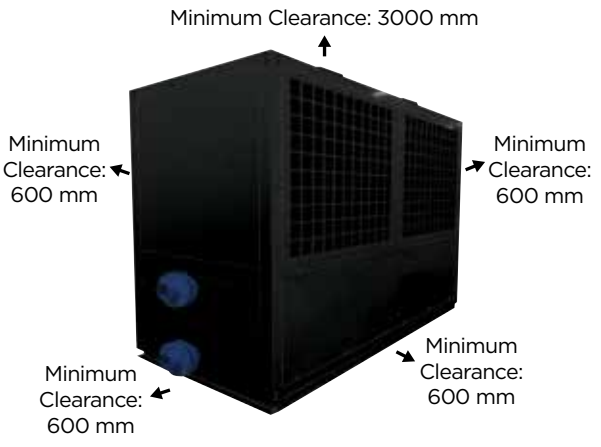


Heating

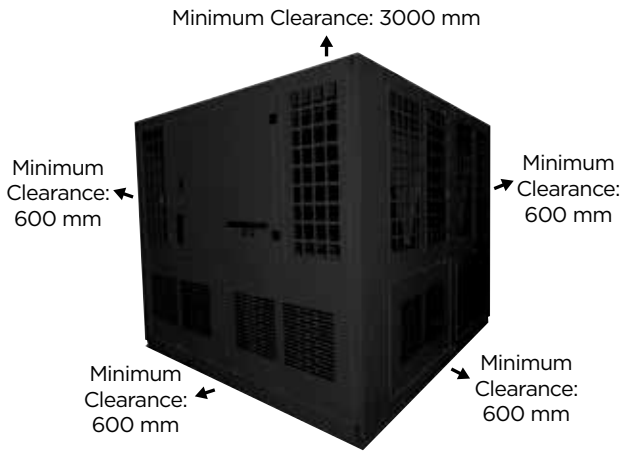
Specifications

Specifications				
Model			**Electroheat PRO 150**	**Electroheat PRO 250**
Air 24°C/Water 27°C (Nominal)	**Heating Capacity**	kW	150 (511,500 BTU)	250 (852,500 BTU)
	Heating Input	kW	29	49
	COP		5.17	5.10
Air 27°C/Water 27°C	**Heating Capacity**	kW	157 (537,000 BTU)	262 (895,000 BTU)
	Heating Input	kW	29	50
	COP		5.41	5.24
Air 15°C/Water 27°C	**Heating Capacity**	kW	112 (384,500 BTU)	191 (652,500 BTU)
	Heating Input	kW	27	47
	COP		4.14	4.06
Air -5°C/Water 27ºC	**Heating Capacity**	kW	66 (225,500 BTU)	110 (375,500 BTU)
	Heating Input	kW	23	39
	COP		2.86	2.82
Air -15°C/Water 27°C	**Heating Capacity**	kW	45 (153,000 BTU)	75 (255,500 BTU)
	Heating Input	kW	20	35
	COP		2.25	2.14
Air 35°C/Water 27°C	**Cooling Capacity**	kW	74 (255,500 BTU)	122 (418,000 BTU)
	Cooling Input	kW	31	47
	COP		2.38	2.59
Max. Current		A	80	132
Power Supply		V/Ph/Hz	380-415V/3Ph/50Hz	380-415V/3Ph/50Hz
Compressor	**Type**		Scroll	Scroll
	Quantity	pcs	2	4
	Capacity	kW	44	37
Refrigerant Type	**Type**		R410a	R410a
	Quantity	kg	6.5 x 2	5.5 x 4
Evaporator	**Type**		Hydrophilic aluminium/ ϕ9.52 inner groove tube	Hydrophilic aluminium/ ϕ9.52 inner groove tube
	Number of rows		3	2
	Fin spacing	mm	1.8	1.8
Fan motor	**Speed**		2-speed	2-speed
	Quantity	pcs	2	4
Water Flow Switch			Built-in	Built-in
Controller			Multi System Controller with Large LCD Monitor	Multi System Controller with Large LCD Monitor
Noise		dB(A)	60	65
Water Connection		mm	90 (Metric)	110 (Metric)
Water Flow Rate	**Minimum**	L/h	25,800	43,000
	Maximum	L/h	65,000	110,000
Dimension	**L-W-H**	mm	2000-980-1970	2000-2160-2000
Weight	**Net Weight**	kg	600	1,020

Clearance



Electroheat PRO 150



Electroheat PRO 250



Compressor
The dependable flexible compressor, with optimized R417a system, can achieve high water temperature up to 60°C, while ensures long life of the compressor.



Condenser
The Tube in shell heat exchanger as condenser, with bigger heat exchanging area and higher efficiency. titanium coil available.

- Titanium coil available

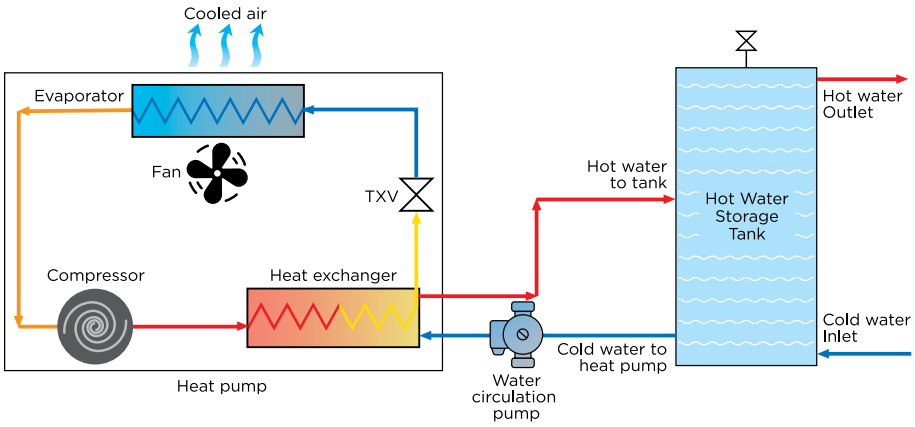


Evaporator
The hydrophilic fin-tube heat exchanger has big heat exchanging area and rational fin distance, thus significantly improves heating and defrosting efficiency.



VITAHEAT HOT WATER SYSTEM HEAT PUMPS - R417A

Performance Specifications			
Heating Capacity	kW	**9.5**	**20**
Power Supply	V/Ph/Hz	220/1/50	380/3/50
Input Power	kW	2.33	4.9
Running Current	A	12.46	8.77
Max. Input Power	kW	3.26	6.86
Max. Running Current	A	17.44	12.28
Refrigerant		R417a	
Compressor		Mitsubishi	Copeland
Compressor Type		Rotary	Scroll
Compressor Quantity		1	1
Outlet Water Temp	°C	60	60
Max. Outlet Water Temp	°C	65	65
Hot Water Yield	L/h	204	430
Water Flow	m^3/h	2.0	4.3
Condenser		Tube in shell	
Water Pressure Drop	kPa	40	55
Water Connection Tube	mm	DN25	DN25
Noise	dB (A)	<55	<57
Electric Protection		I	
Mechanical Protection		IPX4	
Net/Gross Weight	kg	87/130	139/157
Dimension	mm	752x690x 765	752x690x 965
Packing Dimension	mm	840x750x 900	840x750x 1100



VITAHEAT is a cost-effective heating solution to cater the need of hot water in household, hospitality, healthcare and food processing sector. The energy saving technology adopted by HWS utilizes minimal energy to produce great amount of heat.

- **Cost effective heating**
- **Environmentally-friendly**
- **Energy efficient heating**
- **Hot water on demand**
- **60°C**
- **Hotspring & Spa version available**

Heating

VITAHEAT HOT WATER SYSTEM HEAT PUMPS - R417A

Performance Specifications						
Heating Capacity	kW	**40**	**50**	**60**	**70**	**105**
Power Supply	V/Ph/Hz	380/3/50	380/3/50	380/3/50	380/3/50	380/3/50
Input Power	kW	9.8	12.4	15	17.3	25.7
Running Current	A	17.54	22.19	26.84	30.96	45.99
Max. Input Power	kW	13.72	17.36	21	24.22	35.98
Max. Running Current	A	24.55	31.07	37.58	43.34	64.39
Refrigerant		R417a				
Compressor		Copeland				
Compressor Type		Scroll				
Compressor Quantity		2	3	3	2	2
Outlet Water Temp	°C	60				
Max. Outlet Water Temp	°C	65				
Hot Water Yield	L/h	860	1075	1290	1505	2257
Water Flow	m^3/h	8.6	10.7	12.9	15	22.6
Condenser		Tube in shell				
Water Pressure Drop	kPa	55	57	57	60	60
Water Connection Tube	mm	DN40	DN50	DN50	DN50	DN50
Noise	dB (A)	<61	<62	<63	<68	<71
Electric Protection		I	I	I	I	I
Mechanical Protection		IPX4				
Net/Gross Weight	kg	268/316	398/460	428/490	530/620	620/710
Dimension (LxWxH)	mm	1450x702x 1260	2150x765x 1290	2150x765x 1290	2000x980x 1960	2000x980x 2060
Packing Dimension (LxWxH)	mm	1525x805x 1420	2250x865x 1450	2250x865x 1450	2130x1100x 2150	2130x1100x 2260



CALORIFIER (STAINLESS STEEL / FRP)

All Waterco calorifier is customizable with its capacity, material, and the power rating for backup heater. Below shows the common specification for the calorifier.

Backup Heater

- 3kW
- 6kW
- 9kW
- 12kW
- 15kW
- 18kW

**Other Rating Available*

Volume

- 500L
- 1,000L
- 2,000L

**Other Size Available*

Material

- Fibre Reinforced Plastic (FRP)
- Stainless Steel (SS 304/316)



DID YOU KNOW?

Did you know? Heat pump technology was first developed in the 1850s and later improved by Lord Kelvin, who helped establish the scientific principles behind refrigeration and heat transfer.



ELECTROCHILL CHILLER - R32

Part Number	Product Description	Nominal Size
2780900	Chiller 9kW Rect 240V 50Hz R410A Spiral	9kW

ElectroChill is the solution for cooled water to cater the need of chilled water in aquatic animals.

- R32 refrigerant.
- High energy efficiency ratio (EER) for greater power conversion.
- Low footprint to ease installation.

Performance Specifications	
	Electrochill MKV
Nominal Power Output (kW)*	9
Nominal Heating Capacity BTU*	30700
EER	3.6
Supply Voltage (VAC)	240
Supply Voltage Phase	Single Phase
Power Consumption (kW/h)	1.5
Full Load Amps	12
Minimum Breaker or Fuse (AMP)	16
Electrical Connection	10A plug
Min. / Max. Ambient Air Temperature (C)	10 / 40
Min. / Max. water inlet temp (C)	18 / 40
Water Connections (mm)	40mm
Bypass	External 3 x 2 way
Min. / Max. Water Flow Rate LPM	114 - 227
Unit Dry Weight (kg)	51
Dimensions W x L x H (mm)	1269 x 361 x 717
Refrigerant	R32
Heat Exchanger Max. pressure	3.5 bar / 350 kPa

Clearance



Dimensions



Heating



ELECTROHEAT Bypass Kits

Part Number	Product Description
69051363	Electroheat Bypass Plumbing Kit 460mm
69051364	Electroheat Bypass Plumbing Kit 283mm
69051365	Electroheat Bypass Plumbing Kit 360mm

Waterco has introduced a new preassembled Heat Pump Bypass kit to make installation and operation easier for our customers and consumers. The bypass is compatible on all Electroheat heat pumps with 460mm & 283mm centred water connections, fitted with 40mm half unions.

Product Code	Product Description	BYPASS Product Code	Outlet Centres
278094	Electroheat MKIV 9kW	69051364	290mm
278122	Electroheat MKIV 12kW	69051364	290mm
278151	Electroheat MKIV 15kW	69051364	290mm
278191	Electroheat MKIV 19kW	69051363	460mm
278231	Electroheat MKIV 23kW	69051363	460mm
2782533	Electroheat Plus 25kW	69051363	460mm
2783133	Electroheat Plus 31kW	69051363	460mm
2783733	Electroheat Plus 37kW	69051363	460mm
2784433	Electroheat Plus 44kW	69051363	460mm
2782311	Electroheat Ultra 23kW	69051363	460mm
278100313	Electroheat Ultra 29kW	69051363	460mm
278150313	Electroheat Ultra 44kW	69051363	460mm
2781210	Electroheat ECO-V 12kW	69051364	290mm
2782510	Electroheat ECO-V 25kW	69051365	360mm



FLOCHECK VALVE

Part Number	Product Description	Nominal Size
Solar Flocheck valves		
85540	Flocheck valve (Calibrated to 60LPM on/30LPM off)	40mm
85530	Flocheck valve (Calibrated to 60LPM on/30LPM off)	50mm
Heatpump, gas heater, electric heater Flocheck valve		
85531	Flocheck valve - Digiheat (calibrated to 200lpm)	50mm

The Flocheck valve monitors water flow and will stop the solar pump or heater if the filtration system is not primed with water.

DIGIHEAT TITANIUM



TITANIUM

Digiheat Titanium electric heaters are fitted with a titanium coiled heating element to improve performance and increased resistance to corrosion.

Available in sizes from 2.4kW up to 24kW

Heating



DIGIHEAT INLINE HEATER - hard wired

Part Number	Product Description	Nominal Size
2810240	Digiheat 2.4kW Inline Heater - Titanium Element	2.4kW
2810360	Digiheat 3.6kW Inline Heater - Titanium Element	3.6kW
2810480	Digiheat 4.8kW Inline Heater - Titanium Element	4.8kW
2810600	Digiheat 6.0kW Inline Heater - Titanium Element	6.0kW
2811830	Digiheat 18.0kW Inline Heater - Titanium Element	18.0kW
2812430	Digiheat 24.0kW Inline Heater - Titanium Element	24.0kW

Titanium

Digiheat inline heaters are versatile and easy to use. Program your desired water temperature and let Digiheat do the rest.

- Digital temperature management & self diagnosis
- Corrosion resistant heating element
- Streamline weather proof housing
- Available in sizes 2.4, 3.6, 4.8, 6.0, 18 & 24kW

Specifications

Code	DigiHeat Model	Volts	Current Draw	Minimum Circuit Size	Connection Size	Minimum Flow Rate
2810240	2.4kW	240 Volts (single phase)	10A	15A	40mm	100 litres / minute
2810360	3.6kW	240 Volts (single phase)	15A	20A	40mm	100 litres / minute
2810480	4.8kW	240 Volts (single phase)	20A	25A	40mm	100 litres / minute
2810600	6.0kW	240 Volts (single phase)	25A	30A	40mm	100 litres / minute
2811830	18.0kW	415 Volts (three phase)	25A	30A	50mm	250 litres / minute
2812430	24.0kW	415 Volts (three phase)	35A	40A	50mm	250 litres / minute

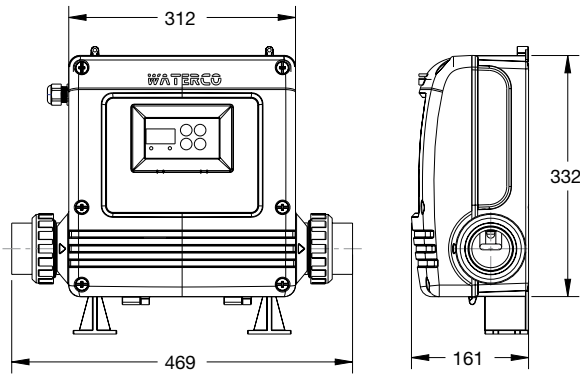
Complies with EN60335.260 and AS3136/NZS6232

Model kW	Time required to heat 1000 litres by 1°C in minutes:	Time required to heat 1000 litres by 5°C in minutes:
2.4kW	31	155
3.6kW	22	103
4.8kW	15	77
6kW	9	46
18kW	4	20
24kW	3	15

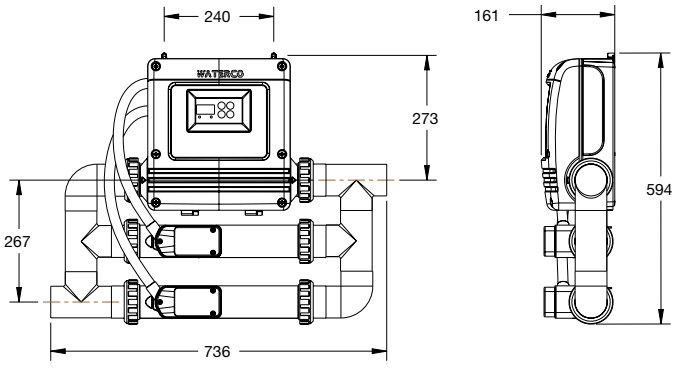
**The above is a only a guide and is dependent upon other factors such as heat loss and ambient conditions at the time of operation.*

Dimensions

Single phase model



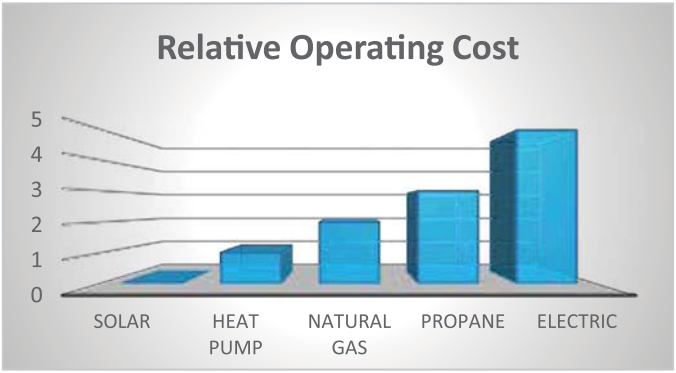
Three phase model



POOL ELECTRIC HEATER VS HEAT PUMP

Operating Cost vs Investment Cost

Heat pump has a sharp advantage over electric heater, in which the operation cost is near to 5 times difference. Although heat pump involves near to 3 times higher investment cost, the operating cost is justified in the long run.



Footprint

Heat pump requires more free space for ventilation purpose, otherwise poor air flow will decrease the performance, and worse, damage the heat pump itself.

Power Supply

Electric heater will consume high power and hence higher amperage, causing significantly bigger power circuit size. Take equivalent model of electric heater and heat pump as a comparison below:

Model	Digiheat 24kW	Electroheat Plus 25kW
Current/Phase	35A	12A

**Digiheat 24kW will require 40A circuit size to operate.*

Standard Copper Cable	
14-gauge wire	15 amps
12-gauge wire	20 amps
10-gauge wire	30 amps
8-gauge wire	40 amps

Flowrate

Electric heater will require high minimum flowrate to operate in order to protect heating element.

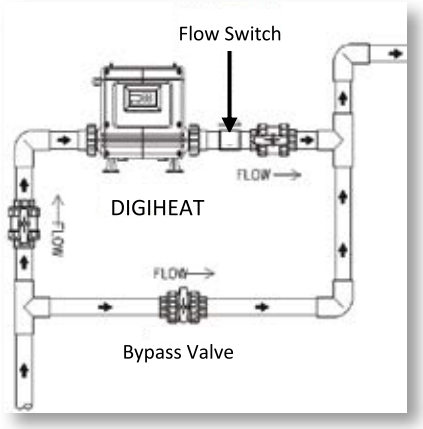
*Waterco 3-phase Digiheat models come with a flow check valve, you may refer to page 95 for more information.

Model	Digiheat 24kW	Electroheat Plus 25kW
Min. Flowrate	250 LPM	120 LPM

Hydraulic

Good hydraulic is essential for efficient heating. Presence of air bubbles or air pocket will not only hinder performance of heater, but worse damaging the parts due to dry burn.

1. Avoid putting heater at a peak point by having an elbow upwards at the water outlet.
2. Ensure pipe size in the plumbing system is similar to heater port size.
3. Air release valve is useful to prevent air pocket formation.



Ventilation

Heat pump needs good ventilation to ensure efficient heat exchange. Should there be the need to install heat pump indoor, air flow requirement of each heat pump model shall be observed.

Model	MKV	25kW	31kW	37kW	44kW
Air Flow (CFM)	180	4000	5800	5800	5800

ESTABLISHED SINCE 1980

SolarMate™

A HERITAGE YOU CAN TRUST!



FIRST LOCAL SOLAR WATER HEATER MANUFACTURER
National
THE MALAYSIA BOOK OF RECORDS
Record
VERIFIED ENTRY

Malaysia's favourite name in Solar Hot Water Systems

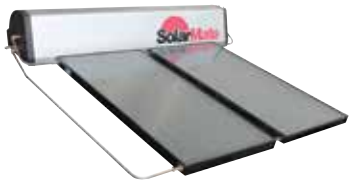
MS SIRIM

SIRIM

Suruhanjaya Tenaga

Energy Saver | Money Saver | Earth Saver | Space Saver

Residential I Commercial I Industrial



- Designed with high heat absorbance and low emittence.
- Laser welding for close contact and higher conductivity.
- Well rounded insulation with high density fibreglass and double silicone sealing.
- All time favorite for most users.



SOLARMATE

Part Number	Product Description	Nominal Size
Solar Water Heater Panel		
Classic Solar Panel		
Ruby Solar Panel		
Sapphire Blue Panel		
Apollo Solar Tube		
Solar Water Heater Tank		
SM-40H Storage Tank		180 Liter
SM-66H Storage Tank		300 Liter

classic° *Affordable, long lasting solar panels*

Specifications

Dimension	2000 x 1000 x 80 mm
Cover Material	4.0mm Tempered Glass
Heat Transfer Coefficient	4.398
Weight	35kg
Frame Material	Aluminium Alloy Anodised
Back Plate	0.4mm Galvanised Steel
Sealing Gasket	Triple Layer Silicone
Absorber System	
Material	Aluminium Plate
Surface Treatment	Black Chrome
Tube Material	Copper TP2
Header Tube	22mm x 0.6mm 2pcs
Riser Tube	10mm x 0.45mm 8pcs
Absorption Rate	0.94
Emittance	0.12
Insulation Density	24 kg/m^3



- Designed with higher heat absorbance and lower emitance, even on cloudy days.
- Ultrasonic welding for close contact and higher conductivity.
- Well rounded insulation with high density fibreglass and double silicone sealing.
- Suitable for areas that experience less sunlight.



sapphire° *All-weather solar panels*

Specifications

Dimension	2000 x 1000 x 80 mm
Cover Material	3.2mm Low Iron Tempered Glass
Heat Transfer Coefficient	4.398
Weight	35kg
Frame Material	Aluminium Alloy Anodised
Back Plate	0.4mm Galvanised Steel
Sealing Gasket	Triple Layer Silicone
Absorber System	
Material	Copper Fin & Tube
Surface Treatment	Blue Chrome
Tube Material	Copper TP2
Header Tube	22mm x 0.6mm 2pcs
Riser Tube	10mm x 0.45mm 8pcs
Absorption Rate	0.95
Emittance	0.11
Insulation Density	24 kg/m^3

Heating



apollo° *Vacuum heat pipe-the ultimate in solar*

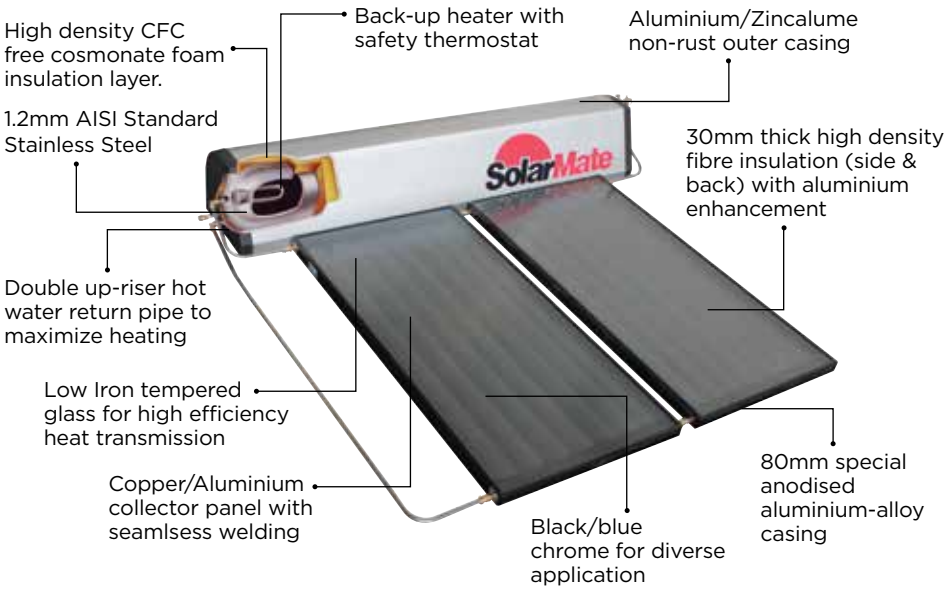
- Designed for highest heat transfer efficiency.
- No heat loss though convection and conduction.
- Heat pipes are 100% copper for higher conductivity .
- Collection of solar energy from multiple angles allowing architectural freedom.
- Capable of withstanding hail impact up to 25mm size.
- Suitable for all climate from sub-zero to 90°C, and areas that experience less sunlight.



Specifications

Length	1800 mm
Outer Tube Diameter	58 mm
Inner Tube Diameter	47 mm
Material	Borosilicate Glass 3.3
Absorbance	≥ 0.93
Transmittance	≥ 0.89
Vacuum	5 x 10^{-3} Pa
Daily Solar Absorbance	7.9 MJ/m^2
Heat Pipe	
Material	Copper
Heat Conducting Fin	Aluminium
Thermo-stability	≥ 250
Heat Transfer Coefficient	≥ 220 W
Isothermal Performance	0.2 °C

SolarMate Solar Hot Water Systems





Storage Tank Specification

Specification	SM-180	SM-300
Storage Capacity	180 L	300 L
Tank Dimension	1680 x 520 x 457 mm	2680 x 520 x 457 mm
Approx. weight (dry)	38 kg	56 kg
Approx. weight (operating)	218 kg	356 kg
Outer Casing Material	0.7 mm Aluminium / 0.45 mm Zincalume	
Base Plate Material	0.5 mm Aluminium	
Tank Insulation	High Density Cosmonate Foam (CFC Free)	
End Cover Material	Polyethylene UV Protected	
Cylinder Material	1.2 mm AISI Stainless Steel	
Nominal Working Pressure	400 kPa	
Test Pressure	1050 kPa	
Laminar Flow Stratifier	Stainless Steel	



SANITISATION

Salt Chlorinator

Electrochlor ECO Mineral Chlorinators---------- 122

Electrochlor PRO Mineral Chlorinators---------- 123

Hydrochlor Mineral Chlorinators MK3 ---------- 124

Vitale Mineral Salt ---------- 125

Chemflo Pro----------122

Chemflo Plus----------128

Hydroxzone Ozonator----------129

Oxiswim----------130

UV Steriliser Solclear ---------- 131

CONTROLLERS

Aquamaster----------133

Sanitisation



ELECTROCHLOR
ECO MINERAL CHLORINATORS

Part Number	Product Description	Nominal Size
	Choose a power pack	
6450135	Electrochlor ECO Mineral Power Pack	Fit 10 - 30 g/hr
64501372	Electrochlor Plus Mineral with WIFI – pH Dosing	Fit 20 - 30 g/hr
	Choose salt cell following output needed	
6449510	Cell Plates & Housing 1000 Standard	10 g/hr
6449515	Cell Plates & Housing 1500 Standard	15 g/hr
6449520	Cell Plates & Housing 2000 Standard	20 g/hr
6449525	Cell Plates & Housing 2500 Standard	25 g/hr
6449530	Cell Plates & Housing 3000 Standard	30 g/hr

Waterco's Electrochlor Eco Mineral Chlorinator makes your pool smarter by automatically taking care of anitisation, filtration and auxiliary equipment so you don't have to!

- Energy-saving power pack and battery backup
- Self-cleaning electrolytic salt cell
- Low salt alarms and pump protection
- Variable speed pump control
- Dual general power outlets
- pH monitoring and dosing (for Electrochlor Plus Mineral only)



Via the My Waterco Connect app, you can easily connect to Electrochlor Plus to control and monitor the following functions:

- Pool temperature display
- Monitor pH level
- Switch on/off pool lights
- Pool pump and auxiliary equipment
- Plus receive pool notifications

Technical Specifications

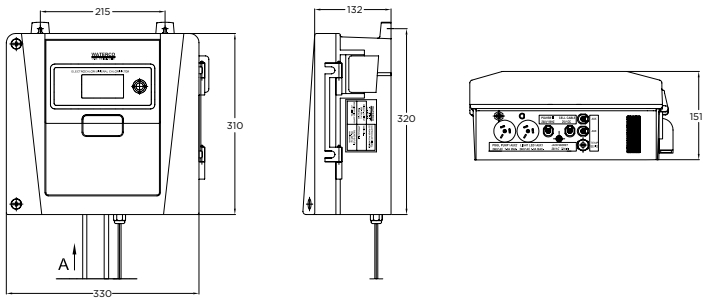
Model	Chlorine Production (g/hr)	Max Pool Capacity (L) Climate	
		Temperate	Tropical
Electrochlor Mineral 1000	10	20,000	24,000
Electrochlor Mineral 1500	15	40,000	36,000
Electrochlor Mineral 2000	20	60,000	48,000
Electrochlor Mineral 2500	25	80,000	60,000
Electrochlor Mineral 3000	30	100,000	72,000

*Pool capacity is based on domestic pool. For commecial pool, please approach our friendly sales representatives.

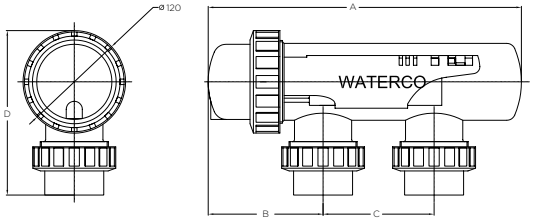
	1000	1500	2000	2500	3000
Primary Input (Volts) / Frequency (Hz)	170-264V/ 47-64Hz	170-264V/ 47 - 64 Hz	170-264V/ 47 - 64 Hz	170-264V/ 47 - 64 Hz	170-264V/ 47 - 64 Hz
Input Power (W)	53	66	105	115	130
Output Current (A)	2.5 (DC)	3.1 (DC)	5.4 (DC)	5.8 (DC)	6.0 (DC)
Maximum Total Current (A)	10	10	10	10	10
Pump Outlet Maximum (A)	8	8	8	8	8
Cell Voltage (V)	21	21	21	21	21
Degree of Protection	IP23	IP23	IP23	IP23	IP23

These chlorinators are approved and confirm to AS3136 Swimming Pool Equipment, as a prescribed article under Australian Registration. These Chlorinators conform to the Australian Electromagnetic Compatibility Standard marked by the C-tick.

Power Pack Dimensions



Chlorinator Cell Dimensions



Model	A (mm)	B (mm)	C (mm)	D (mm)
1000	367	134.5	130.0	192.5
1500				
2000				
2500				
3000				

Sanitisation



ELECTROCHLOR
PRO MINERAL CHLORINATORS

Part Number	Product Description	Nominal Size
	Choose a power pack	
6450136	Electrochlor PRO Mineral Power Pack	Fit 40 - 50 g/hr
	Choose salt cell following output needed	
6449740	Cell Plates & Housing 4000 Standard	40 g/hr
6449750	Cell Plates & Housing 5000 Standard	50 g/hr

- Chlorine output of 40 g/hr or 50 g/hr
- Backlit LCD screen with temperature display
- Energy-saving, intelligent power pack
- Self-cleaning chlorinator cell
- Low salt alarm and flow protection
- Variable speed pump and LED light control
- Dual timer controlled power outlets
- Optional valve actuator control

Technical Specifications

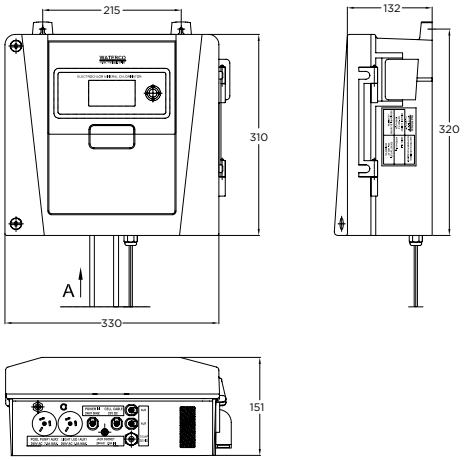
Model	Chlorine Production (g/hr)	Max Pool Capacity (L) Climate	
		Temperate	Tropical
Electrochlor Mineral 4000	40	120,000	84,000
Electrochlor Mineral 5000	50	140,000	96,000

*Pool capacity is based on domestic pool. For commecial pool, please approach our friendly sales representatives.

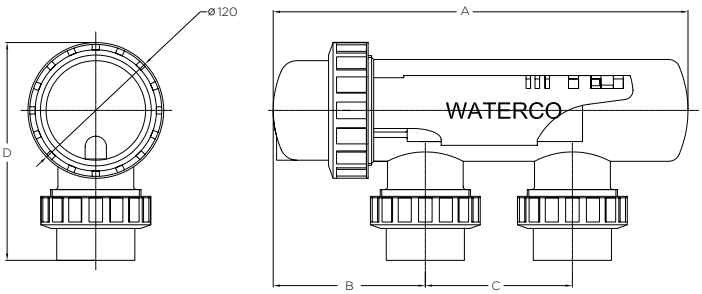
Parameter/Model	4000	5000
Primary Input (Volts)/Frequency (Hz)	220-240 VAC / 50-60 Hz	220-240 VAC / 50-60 Hz
Input Power (W)	206	239
Output Current (A)	8.5 (DC)	9.1 (DC)
Maximum Total Current (A)	10	10
Pump Outlet Maximum (A)	8	8
Cell Voltage (V)	21	21
Degree of Protection	IP23	IP23

These chlorinators are approved and conform to AS3136 Swimming Pool Equipment, as a prescribed article under Australian Registration. These Chlorinators conform to the Australian Electromagnetic Compatibility Standard marked by the C-tick.

Power Pack Dimensions



Chlorinator Cell Dimensions



Model	A (mm)	B (mm)	C (mm)	D (mm)
4000	437	153.5	180	192.5
5000				

Sanitisation



HYDROCHLOR
MINERAL CHLORINATORS

Part Number	Product Description	
	Choose a power pack	
6450134	Hydrochlor MK3 ST (Timer without Battery Backup) – 50Hz	
6450160	Hydrochlor MK3 ST (Timer without Battery Backup) – 60 Hz	
	Choose salt cell following output needed	
6449510	Cell Plates & Housing 1000 Standard	10 g/hr
6449515	Cell Plates & Housing 1500 Standard	15 g/hr
6449520	Cell Plates & Housing 2000 Standard	20 g/hr
6449525	Cell Plates & Housing 2500 Standard	25 g/hr
6449530	Cell Plates & Housing 3000 Standard	30 g/hr

The **Hydrochlor Mineral Chlorinator** uses advanced Switch Mode power technology to improve energy efficiency by over **50%**, reducing power consumption while maintaining strong chlorine output. Its intelligent power pack automatically detects the connected chlorinator cell size and adjusts the power accordingly. The system also features a self-cleaning chlorinator cell with a serial-parallel design that enhances chlorine production while using less energy.

Technical Specifications

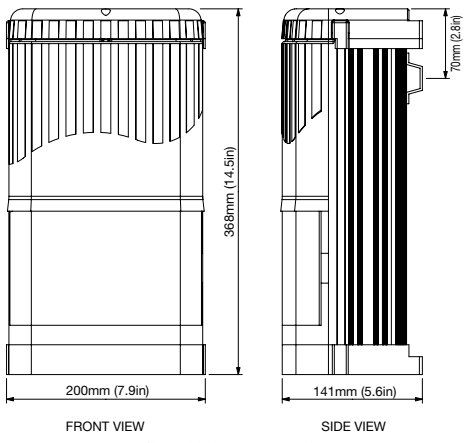
Model	Chlorine Production (g/hr)	Max Pool Capacity (L) Climate	
		Temperate	Tropical
Hydrochlor Mineral 1000	10	20,000	24,000
Hydrochlor Mineral 1000	15	40,000	36,000
Hydrochlor Mineral 2000	20	60,000	48,000
Hydrochlor Mineral 2500	25	80,000	60,000
Hydrochlor Mineral 3000	30	100,000	72,000

*Pool capacity is based on domestic pool. For commecial pool, please approach our friendly sales representatives.

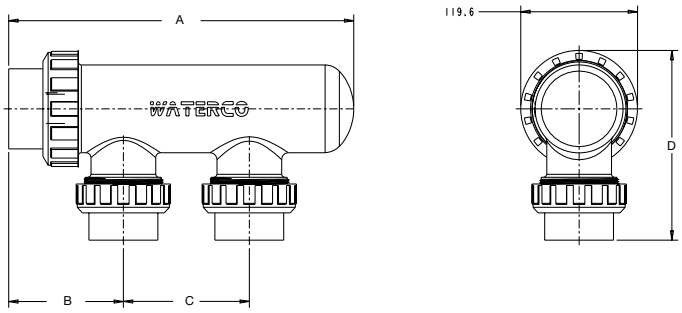
	1000	1500	2000	2500	3000
Primary Input (Volts)/ Frequency (Hz)	170-264 V/ 47-64 Hz	170-264 V/ 47-64 Hz	170-264 V/ 47-64 Hz	170-264 V/ 47-64 Hz	170-264 V/ 47-64 Hz
Input Power (W)	53	66	105	115	130
Output Current (A)	2.5(DC)	3.1 (DC)	5.4 (DC)	5.8 (DC)	6.0 (DC)
Maximum Total Current (A)	10	10	10	10	10
Pump Outlet Maximum (A)	8	8	8	8	8
Cell Voltage (V)	21	21	21	21	21
Degree of Protection	IP23	IP23	IP23	IP23	IP23

These chlorinators are approved and conform to AS3136 Swimming Pool Equipment, as a prescribed article under Australian Registration. These Chlorinators conform to the Australian Electromagnetic Compatibility Standard marked by the C-tick.

Power Pack Dimensions



Chlorinator Cell Dimensions



Model	A (mm)	B (mm)	C (mm)	D (mm)
1000	367	134.5	130.0	192.5
1500				
2000				
2500				
3000				





VITALE

Part Number	Product Description	Pack Size
352422	Vitale Mineral Salt	20kg

Waterco's Vitale Mineral Salt:
Vitale Mineral Salts are a unique blend of high purity magnesium and salt, combined with proprietary balancing chemicals that reduces pH and Alkalinity fluctuations associated with salt chlorinated pools.

- Mineral-rich blend creates silky swimming conditions
- Moisturising formula soothes sensitive skin
- Provides relief to muscular inflammation and fatigue
- Reduces time and costs associated with water chemistry

For a swimming experience that is more than skin deep, dive into a Vitale mineral pool.

Vitale Mineral Salts Dosage for new pool start up

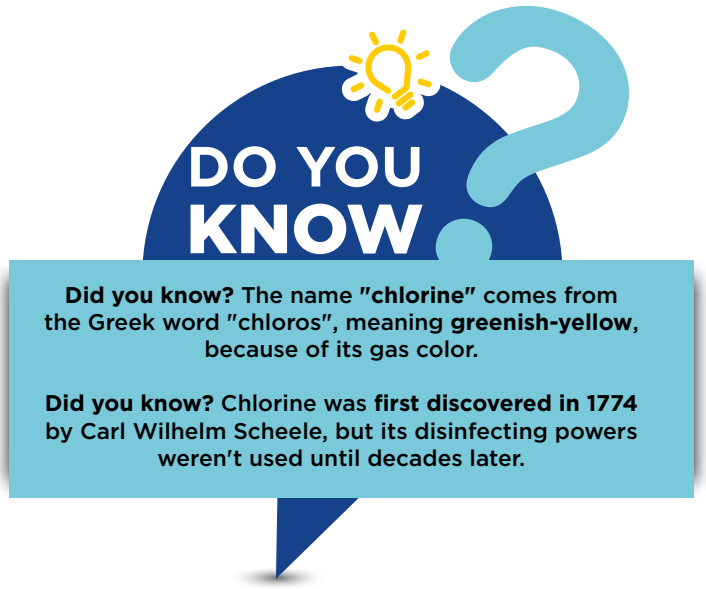
Salt chlorinator 3000ppm Salinity				
Pool Litres	20,000	30,000	40,000	50,000
Mineral Vitale Salts (20KG Bags)	4	7	9	11
Salt chlorinator 4000ppm Salinity				
Pool Litres	20,000	30,000	40,000	50,000
Mineral Vitale Salts (20KG Bags)	6	9	12	15

Salt chlorinator 4000ppm Salinity				
Pool Litres	20,000	30,000	40,000	50,000
Mineral Vitale Salts (20KG Bags)	7	11	14	18

For converting an existing salt pool, please see your local Vitale Mineral Salts dealer.

For advice on higher or lower pool water volumes please consult your local Vitale Mineral Salts dealer for a complete water analysis and their recommendations for your specific pool size.

Please note, this dosage chart is a guide only and will depend on exact pool water volume.



Sanitisation



CHEMFLO PRO

Part Number	Product Description
2595918	Chemflo PRO

Chemflo PRO is a top of the range instrument controller equipped with the capability to connect up to four sensors of any type with appropriate analogue outputs and relays. Equipped with data logging as standard and multiple PID loops as options, the Chemflo PRO is able to control complex water treatment processes at a fraction of the cost of other controllers.

Technical Specifications (Controller only)

Power Requirement	• 100-240 VAC/0.25 A or 12 VDC/0.8 A
Languages	• Any non-pictogram by request • Any Latin, Cyrillic, Hellenic
Inputs	• Up to 4 configurable sensor inputs (expandable to 16 inputs) • 4 - 20mA, 4 - 20mA loop powered, • 0 - 2 VDC, • +/ 1200 mV for pH, ORP, PT100, potentiometric, pulse and Modbus. • Unused sensor inputs can be used as outputs. • Up to 8 digital inputs (expandable to 32)
Outputs	• Up to 4 dedicated configurable analogue outputs (expandable to 16 outputs) • 0 - 20mA, 4 - 20mA, • 0 - 1 VDC, 0 - 10 VDC, 1 - 10 VDC. • Unused sensor inputs can be used as additional outputs. Up to 8 SPDT electromechanical relays (expandable up to 32 relays) rated 10A at 250 VAC and 5A at 30 VDC
Alarms	• 2 user configurable alarms with dead band and delay for each parameter and control output
Thresholds	• 2 user configurable thresholds (for control) with dead band and delay for each measurement and control output
PID	• Configurable flow proportional PID
Communication (Optional)	• 3G Modem
Memory Backup	• All user configuration is stored in non-volatile onboard flash memory
Enclosure	• ABS flame retardant • IP65 • Nema 4X
Dimensions	• 230mm x 309mm x 103mm (controllers)
Display	• LCD 4.3", 480 x 272 pixels, 24 bit colour
Weight	• 2 kg (Chemflo Pro controller only)
Data Logging	• Downloadable data logs or status message log over 1 million records
Max Pool Volume	600,000L (Commercial Pool)



CHEMFLO PLUS

AUTOMATIC WATER MANAGEMENT

ChemfloPlus continuously analyses your pool water chemistry and accurately sanitises and controls the pool's pH, keeping your pool water safe and healthy.



Sanitisation



CHEMFLO PLUS WATER MANAGEMENT SYSTEM

Part Number	Product Description
258100	ChemfloPlus Water Management System

ChemfloPlus continuously analyses your pool water chemistry and accurately sanitises and controls the pool's pH, keeping your pool water safe and healthy.

The ChemfloPlus automatic control system measures and precisely controls set levels of sanitiser (chlorine) and pH balance (acid) through feedback from inline sensors. This ensures the safest possible swimming conditions. Costs are reduced by minimising chemical use and preventing excessive addition of chemicals that may damage the pool and its equipment.

Technical Specifications

Parameter	Specification
Volts	230-250V, 50 Hz
Power	less than 30W (not including pool pump)
IP rating	24
Max pool Size	200kL (domestic pool)
Peristaltic pumps max flow rate	40mL/minute at approximately 50% duty cycle

Dimensions



CHLORINE FEEDERS

Part Number	Product Description
25500	Waterking In-line Tablet Feeder - Bromine/Trichlor
256000	Floating Tablet Dispenser MK2



Waterking Automatic Tablet Feeder

The Waterking Automatic Tablet Feeder is fully adjustable to control the amount of sanitiser that is added to the pool or spa.

By simply filling the container with Giant or Mini Chlorination Tablets or Bromine Sticks, the Waterking will ensure that your chlorine or bromine level is constantly maintained, giving you safe, clear, sparkling water all year round.



Floating Tablet Dispenser MK2

Designed for use with slow dissolving chlorine or bromine tablets.

- High capacity float chamber
- Easy to use threaded cap



HYDROXZONE OZONATOR

Part Number	Product Description
25400700	Hydroxzone Ozonator - c/w Ozone Injector & Bypass Kit
25400701	Hydroxzone Ozonator ONLY
132308	Venturi Plumbing Kit

*132308 can be added to provide easy and dynamic venturi bypass system.



132308

132308 can be added to provide easy and dynamic venturi bypass system. Considered one of the most powerful sanitisation systems on the market, Hydroxzone Ozone Generator is designed as a standalone product for new and existing swimming pools. Using hybrid patented technology, Hydroxzone produces ozone and hydroxyl radicals, which together increases oxidation and sanitisation efficiency.

- Constant ozone output, not adversely affected by temperature or humidity.
- Produces hydroxyl radicals, considered one the most powerful oxidisers found in nature.
- Optional Dynamic Venturi Injector to minimise pressure drop and increase efficiency of the ozone transfer.
- No moving parts, requiring zero maintenance.
- Enhances the sanitisation by reducing the demand of the sanitiser.

Maximum Recommended Pool Sizes

Equipment	Pool size (kL)
Hydroxzone (*)	80
Hydroxzone + Hydrochlor/ Electrochlor 30A (Temperate Climate)	120

(*) An approved sanitiser must be used in swimming pool/spa

Technical Specifications

Power Input (volts)	120-277
Frequency (Hz)	50/60
Degree of Protection	IPX4
Max. Current (A)	0.2
Temperature Operating Range (°C)	-32 to 60
Dimension (mm)	425x160x90

Sanitisation

OXISWIM

Dual Sanitisation System

The Oxiswim sanitisation system revolutionises - and simplifies - how a swimming pool or spa is managed and maintained. It is the result from many years of research looking for healthier alternative sanitisers to chlorine.

It combines all of the most practical ways to sanitise pool and spa water and puts them at the fingertips of the pool owner.

Oxiswim allows you to run your pool and spa as:

- Freshwater pool: a lovely and silky-smooth bathing experience, minus the chlorine irritants
- Winter or chlorine pool: operate your pool with no extra sanitisers, reducing off-season costs

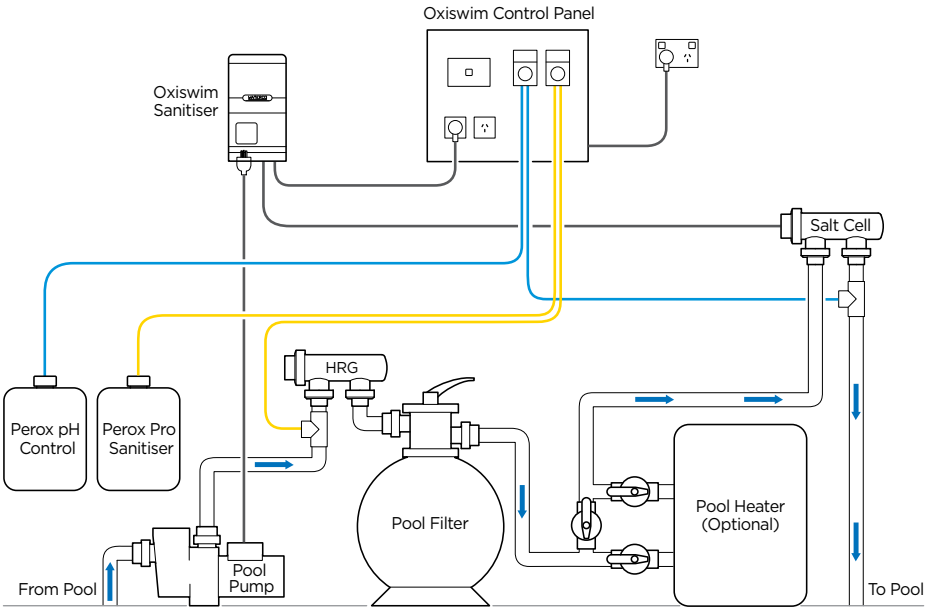
OXISWIM

Part Number	Product Description
254006099	Oxiswim Dual Sanitisation System

How it works

Where other sanitisation systems may use one or a combination of two sanitisers, Oxiswim makes the best use of several different sanitisers to create a unique bathing experience for the swimmers and bathers.

Oxiswim's innovative technology combines the use of electrolysis with hydrogen peroxide to form a bacterial killing weapon. The combined power of two sanitisers provides an oxygen-rich swimming environment that is exceptionally efficient in neutralising pathogens. In addition, it's a dual solution, which means you can flip the system in winter to a salt chlorinated pool.

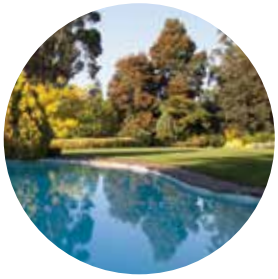


Power Unit	
Input	220-240V AC
Frequency	50/60 Hz
Current	1.6 A
Socket Outlet	220-240V AC
Maximum Current Output	8A
Sanitiser Dosing Pump	3L/hr
pH Dosing Pump	3L/hr

Sanitisation

SOLCLEAR
Multi-Purpose UV Water Disinfection







UV STERILISERS

Part Number	Product Description	Flowrate
37784090	Solclear 90 UV Steriliser 40W (40mm port)	90 LPM
37784150	Solclear 150 UV Steriliser 40W (40mm port)	150 LPM
W01475	Solclear 300V UV Steriliser 55W (50mm port)	300 LPM
W01476	Solclear 400V UV Steriliser 55W (50mm port)	400 LPM

Solclear
Waterco UV water disinfection, Solclear UV steriliser uses environmentally friendly ultraviolet technology for the disinfection of water. It offers the following features:

- High-output, energy-efficient electronic ballast
- Fully serviceable for easy maintenance
- Easy to install
- UV bulbs deliver high output
- No dead spots in the filament
- Longer-lasting UVC bulb lifespan
- Average lamp life expectancy: 9,000 hours

Durable and Long-lasting
Solclear 90 and 150 come with a UV lamp that is encapsulated inside a stainless-steel casing. With proven reliability of sturdy housing, Solclear 90 and 150 are suitable for use in fountains, water features and koi ponds.

Rust-free UV Steriliser
Manufactured in the UK, **Solclear 300 V and 400 V** have been specifically designed to deliver exceptional performance and excellent water clarity while being economical to run. It has been designed to run in a wide range of applications, where chemical treatment and seawater are present.



Manufactured in The UK

Sanitisation

Specifications

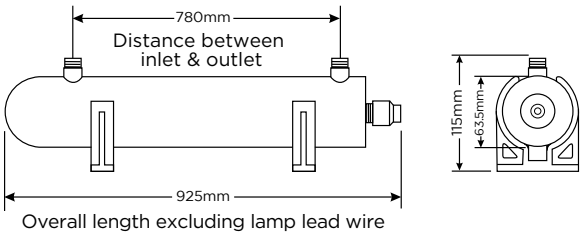
Model No.	Flow rate		Number of bulbs	Casing material	Maximum working pressure	Water connections
	lpm	gpm				
Solclear 90	90	24	1 × 40 W	Stainless steel	100 psi (6.9 bar)	1 ½" BSP
Solclear 150	150	40	1 × 40 W	Stainless steel	100 psi (6.9 bar)	1 ½" BSP
Solclear 300 V	300	80	1 × 55 W	UV-protected ABS	36 psi (2.5 bar)	2.0" / 50mm
Solclear 400 V	400	106	2 × 55 W	UV-protected ABS	36 psi (2.5 bar)	2.0" / 50mm

Lamp life : 9,000 hours

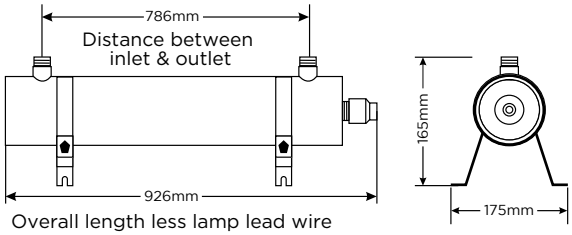
Input Voltage : 220 V - 240 V

Dimension (mm)

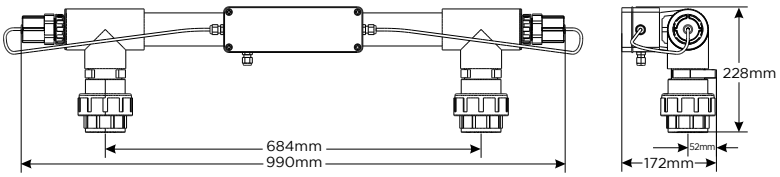
Solclear 90



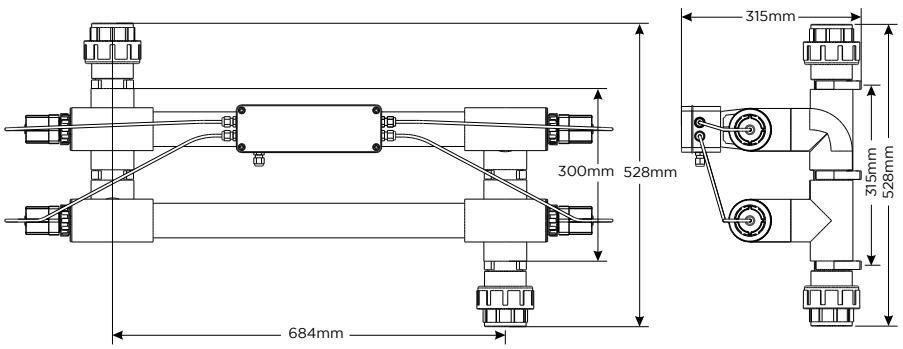
Solclear 150



Solclear 300 V



Solclear 400 V



Warranty

Item	Domestic	Commercial
Solclear	1 year	1 year

Sanitisation



Aquamaster lets users easily control pool, spa, and ancillary equipment—such as pumps, filters, heaters, cleaners, lighting, and water features—directly from home. It features an intuitive LCD touch panel, one-touch switching between pool and spa modes, and easy navigation for automating filtration. Users can monitor water and air temperatures, reduce energy costs through automated management, and save on heating by using solar pre-heating before conventional heaters.

AQUAMASTER IO

Part Number	Product Description
85180000	Aquamaster IO Pool & Spa Automation Kit

Techical Specifications

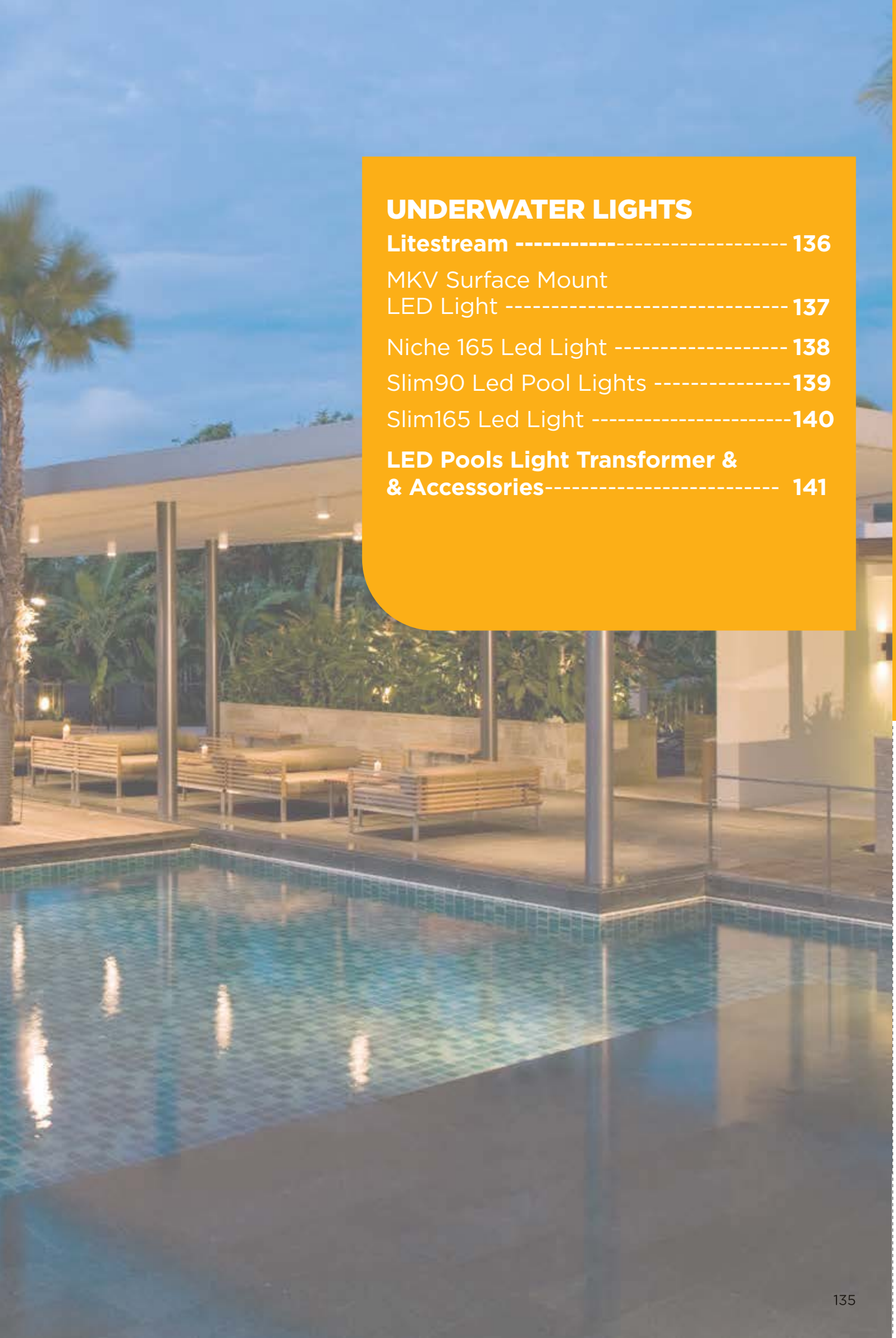
Applications	Pool and Spa, Pool only or spa only combinations
Number of 10A switched outlets	5
Number of 15A switched contacts	2
Number of actuated valves operated (heater control)	3
Number of ancillary dry contacts 24V	2
Number of group functions	7
Number of programmable timers	15
Control Waterco three speed pump settings	Yes
Program Waterco multicolour LED light colours	Yes
Manage solar pool heating	Yes

Applications	Pool and Spa, Pool only orspa only combinations
Manage conventional heating	Yes
Solar heating priority over conventional heaters	Yes
Solar and conventional heater extend	Yes
Reduce salt chloriantion levels in spa mode	Yes
Control pool heating on integrated or independent hydraulic circuits	Yes
Optional dual LCD control interface	Yes
Freeze protection	Yes
Optional flow sensor	Yes

ACCESSORIES

Part Number	Product Description
8518011	Aquamaster IO Controller PCB Assembly
8518022	Weatherproof Enclosure - LCD Touch Control
851806	Control Cable RJ12 3 metres - Cat 5
851803	Control Cable RJ12 20 metres - Cat 5
851804	Control Cable RJ12 30 metres - Cat 5
851805	Control Cable RJ12 50 metres - Cat 5
851807	Variable Speed Pump Control Cable x 3 metres





UNDERWATER LIGHTS

Litestream ---------- 136

MKV Surface Mount
LED Light ---------- **137**

Niche 165 Led Light ---------- **138**

Slim90 Led Pool Lights ---------- **139**

Slim165 Led Light ---------- **140**

**LED Pools Light Transformer &
& Accessories** ---------- **141**

Underwater Lights



LITESTREAM - SURFACE MOUNT LED LIGHT

Part Number	Product Description	Power	Cable Length
263420	Litestream LED Warm White	12W	4m
263430	Litestream LED Warm White	12W	12m
263400	Litestream LED Warm White	12W	20m
263403	Litestream LED Warm White Replacement	12W	0.4m

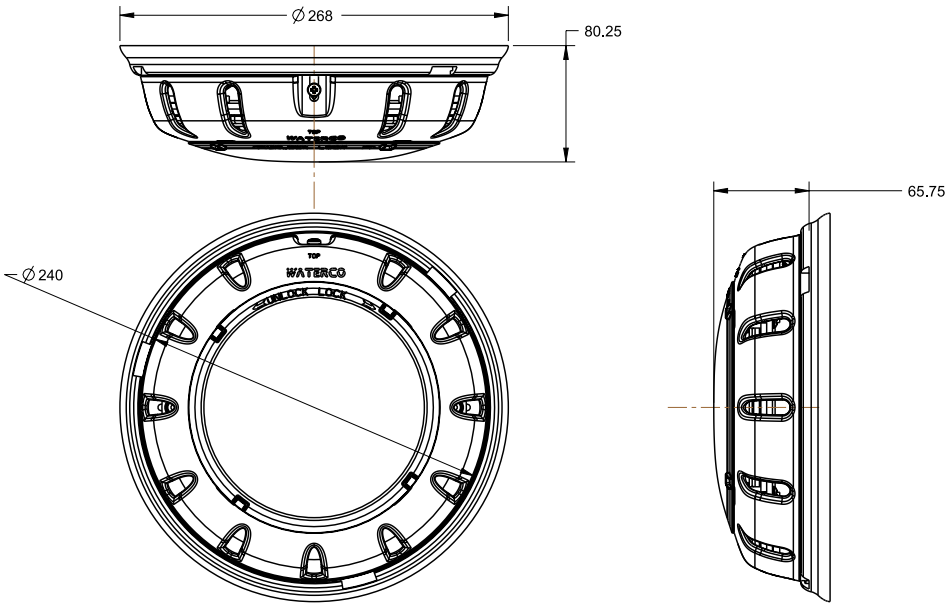
The Litestream LED under water light is modern in looks, and offers a warm white brightness and improved performance in pool coverage through its uniquely designed hexagonal diamond shaped lens pattern.

- Warm white German LEDs.
- Universal adaptor plate.
- Dual Voltage, enabling connection to 12 or 24 volt systems.
- Optional blue twist-lock lens.

Technical Specifications

Zonal Distribution	Power Usage	Input Voltage (New Installation)	Input Voltage (Replacement Light)
0 to 180 degrees	12 watt	12V AC	12V-24V-32V AC (Multi Voltage)

Dimensions



Underwater Lights





MKV SURFACE MOUNT LED LIGHT

Part Number	Product Description	Power	Cable Length
264343	Britestream LED Cool White MKV	26W	4m
264344	Britestream LED Cool White MKV	26W	20m
264340	Britestream LED Cool White MKV Replacement	26W	0.4m
2643430	Britestream LED Warm White MKV	26W	4m
2643470	LUMA LED RGB MKV	15W	4m
2643460	LUMA LED RGB MKV	15W	20m
2643422	LUMA LED RGB MKV Replacement	15W	0.4m

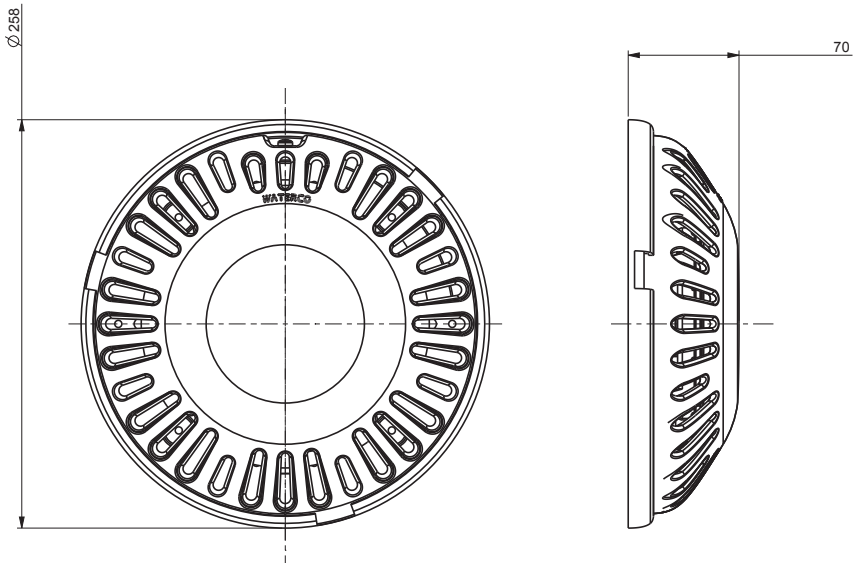
Unlike traditional LED lenses that restrict the light output to unflattering hot spots, Waterco's new Diffuser Lens radiates light throughout the entire circumference of the lens. In fact, the BriteLUX Diffuser Lens improves the light's luminosity of Britestream and LUMA MKV by 50 percent in comparison to preceding models.

- Bright German LEDs
- Superior optical properties
- Enhanced colour saturation
- Light diffusing particles for even illumination
- Available in white (Britestream , 26W) and multi-coloured (LUMA, 15W) configurations.
- MKV Cool White 1395 lumen; MKV Warm White 1114 lumen.

Technical Specifications

Zonal Distribution	Power Usage	Input Voltage (New Installation)	Input Voltage (Replacement Light)
0 to 180 degrees	15 or 26 watts	12V AC	12V-24V-32V AC (Multi Voltage)

Dimensions



Underwater Lights







Optional Stainless Steel Rim

NICHE 165 LED LIGHT

Part Number	Product Description	Power	Cable Length
264431	Britestream Niche LED Cool White MKV	26W	4m
264432	Britestream Niche LED Cool White MKV	26W	12m
264433	Britestream Niche LED Cool White MKV	26W	20m
264430	Britestream Niche LED Cool White MKV Replacement	26W	
2644310	Britestream Niche LED Warm White MKV	26W	4m
2644331	Britestream Niche LED Warm White MKV	26W	20m
264440	LUMA Niche LED RGB MKV	15W	12m
2644410	LUMA Niche LED RGB MKV	15W	20m
264438	LUMA Niche LED RGB MKV Replacement	15W	

264421	Wet Niche Assembly Black
264423	Wet Niche Shallow Assembly Black 105mm
650107	Niche Adaptor Assembly (Pentair Amberlite to Waterco)
6501130	Stainless Steel Dress Rim

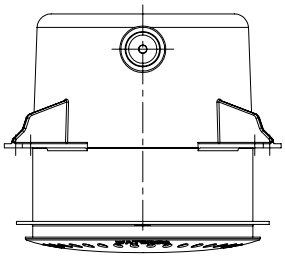
Britestream and LUMA Niche LED light is a flushmounted light which protrudes only 11mm
from the pool/spa wall. Britestream and LUMA LED lights utilises energy efficient super
bright LED's and operates on only 26 watts (Britestream , white) or 15 watts (LUMA, RGB) energy.

- Optional stainless steel rim.
- Britestream MKV Cool White 1395 lumen; Britestream MKV Warm White 1114 lumen.

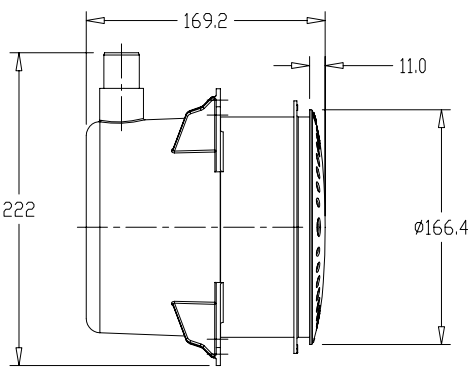
Technical Specifications

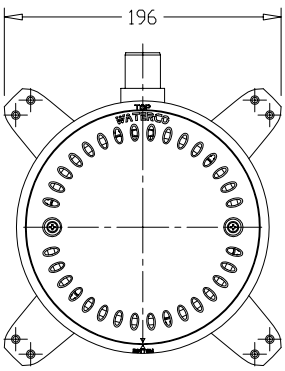
Zonal Distribution	Power Usage	Input Voltage
0 to 180 degrees	15 or 26 watts	12V AC

Dimensions



105/116mm (for housing 264423)





Underwater Lights





SLIM90 LED POOL LIGHTS

Part Number	Product Description	Power	Cable Length
264710	Britestream Slim90 LED White Light	15W	20m
264702	Britestream Slim90 LED White Replacement Kit	15W	
264714	LUMA Slim90 LED RGB Light	15W	20m
264706	LUMA Slim90 LED RGB Replacement Kit	15W	

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

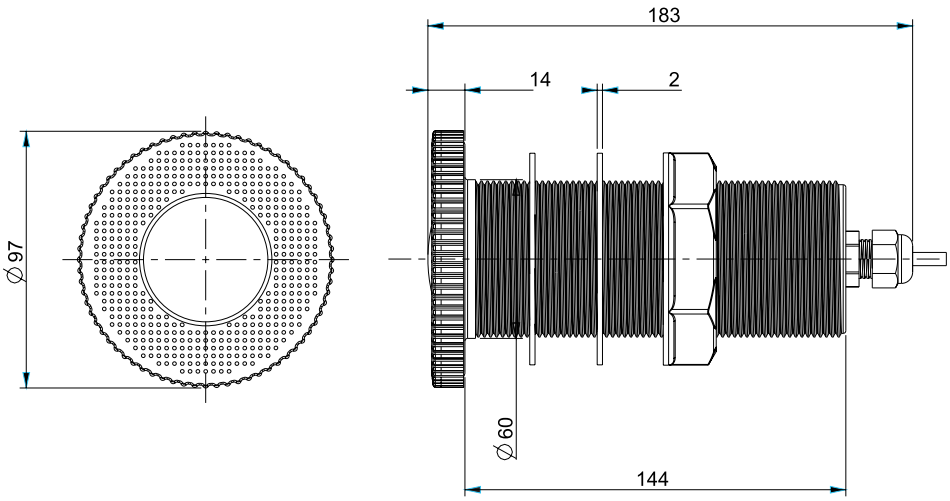
Britestream and LUMA Slim90 Niche LED lights are great for those hard to light areas of a pool/spa or steps. Britestream and LUMA Slim90 LED Light utilises energy efficient super bright LED's and operates on only 15 watts of energy.

- Flush mounted with a minimal 14mm projection into pool.
- Super bright LED's capable of delivering 128 lumens (White LED).
- 180° Zonal illumination.
- Operates on only 15% of the electrical power of a halogen light models.

Technical Specifications

Zonal Distribution	Power Usage	Input Voltage
0 to 180 degrees	15 or 26 watts	12V AC

Dimensions



Underwater Lights





SLIM165 LED POOL LIGHTS

Part Number	Product Description	Power	Cable Length
264628	BritestreamSlim165 LED White MKV	26W	20m
264620	BritestreamSlim165 LED White MKV Replacement	26W	
2646260	LUMA Slim165 LED RGB MKV	15W	20m
2646220	LUMA Slim165 LED RGB MKV Replacement	15W	
2646223	Niche Adaptor Assembly (Aquaquip EVO2 to Waterco Slim165)		

The Britestream and LUMA LED Niche pool light has been specifically designed for easy installation into pools and are available in white, tri-coloured & multi-coloured.

Britestream and LUMA LED light can produce a multitude of different colours without the need for coloured lenses. The light's multicoloured combinations are easily programmed via its light switch.

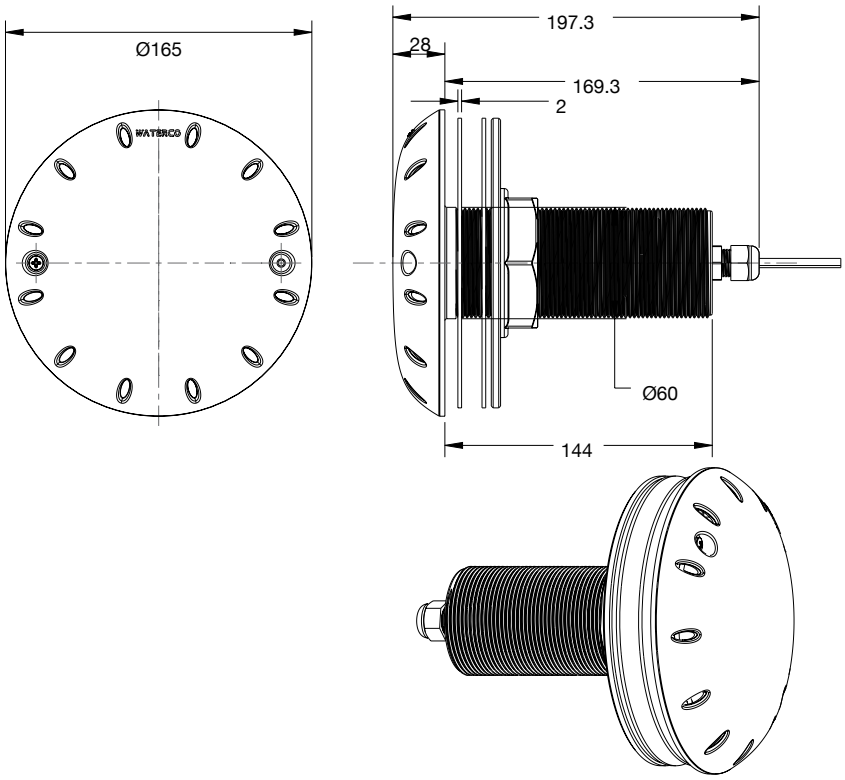
Britestream and LUMA LED Light utilises energy efficient super bright LED's and operates on only 15 to 26 watts of energy.

- Flush mounted with a minimal 28mm projection into pool.
- Britestream MKV Cool White 1395 lumen; Britestream MKV Warm White 1114 lumen.
- 180° illumination.
- Operates on only 15% of the electrical power of a halogen light models.

Technical Specifications

Zonal Distribution	Power Usage	Input Voltage
0 to 180 degrees	15 or 26 watts	12V AC

Dimensions



Underwater Lights





LED POOLS LIGHT TRANSFORMER & ACCESSORIES

Part Number	Product Description	Power	Cable Length
265012	Transformer 240V to 12V 30VA + 30VA (2 lights)	60VA	12m
265063	Transformer 240V to 12V 18VA + 18VA + 18VA (3 lights)	54VA	20m

The new Twin Connect has some great technical advantages over the Multi Connect transformer, its output has increased from 18VA to 30VA, this increase in output has been specified to match some of the new MK5 LED Pool Lights plus allowing for multiple connection in series (Daisy Chain) of up to 5 x Twin Connect LED Pool Light Transformer, enabling 10 x Waterco LED pool lights to operate and has great protection with IP44 rating.

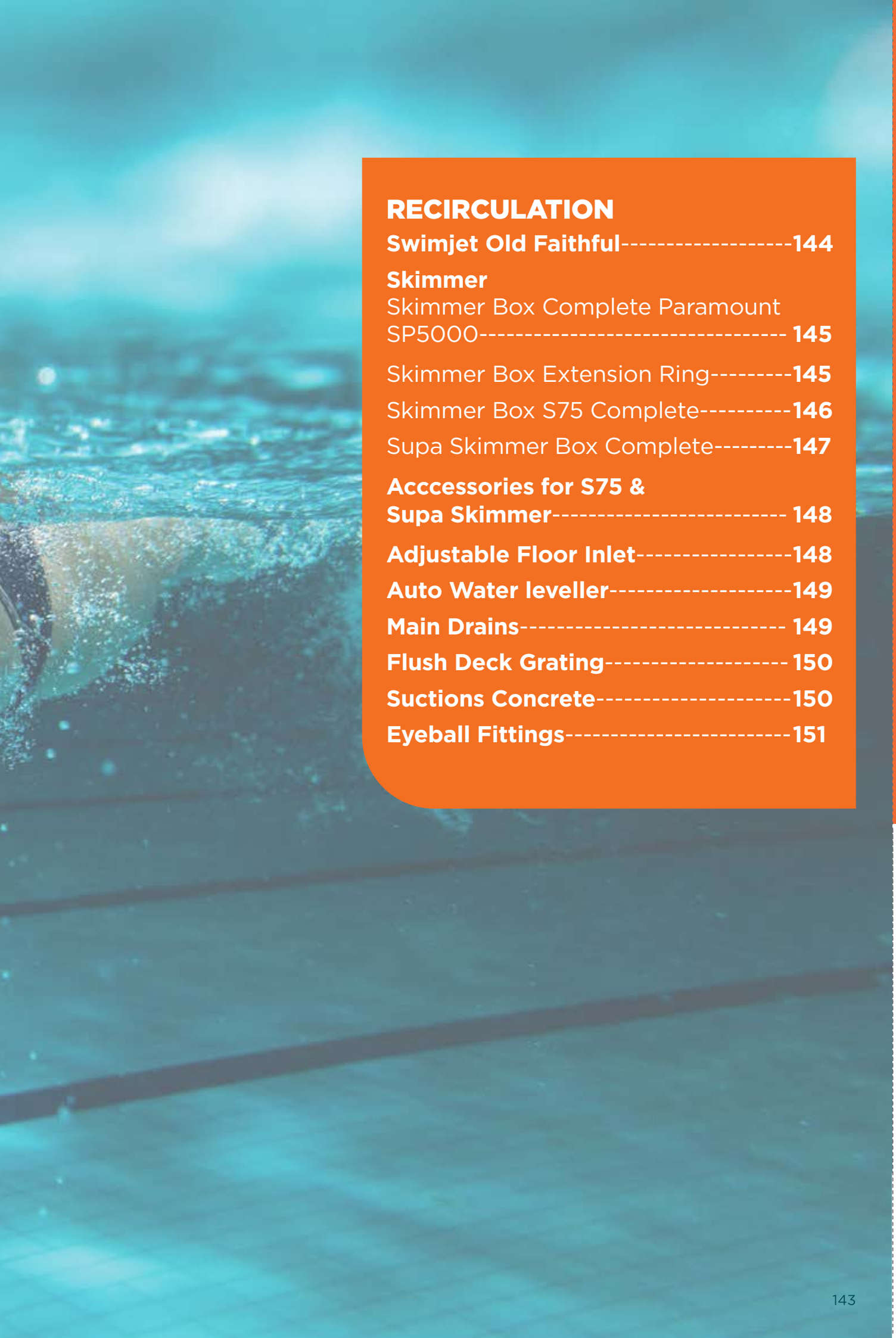
Technical Specifications

Product Code	Protecting Rating	Input	Output	Amps
265012	IP44	230-240 VAC 50Hz	12VAC 30VA x 2 outlets	10
265063	IP44	230-240 VAC 50Hz	12VAC 18VA x 3 outlets	10

Overall product dimensions

Length	Height	Width	Weight
146mm	150mm	92mm	2.5kg - 3.0kg





RECIRCULATION

Swimjet Old Faithful----------**144**

Skimmer

Skimmer Box Complete Paramount SP5000---------- **145**

Skimmer Box Extension Ring---------**145**

Skimmer Box S75 Complete----------**146**

Supa Skimmer Box Complete---------**147**

Acccessories for S75 & Supa Skimmer---------- **148**

Adjustable Floor Inlet----------**148**

Auto Water leveller----------**149**

Main Drains---------- **149**

Flush Deck Grating---------- **150**

Suctions Concrete----------**150**

Eyeball Fittings----------**151**

Recirculation



PVC/ABS

SWIMJETS OLD FAITHFUL

Part Number	Product Description
455423	SwimJet Straight Body Concrete

Waterco Swimjets are high performing jets, designed to create an endless resistant current to swim against. Waterco Swimjets are a flush mounted jet propulsion system capable of creating a current up to 660L per minute.

- 2" (50mm) socket for high water volume
- 1/2" (12mm) socket for high air input

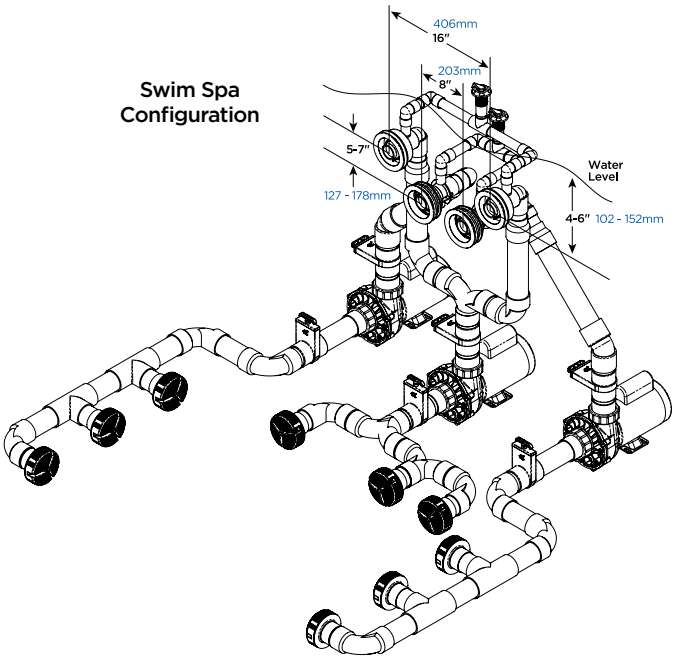
Technical Specifications

Standard Installation Technical Specifications	Maximum Flow Rates	Quantity
Waterco Swim Jet White/Grey Water Inlet 50mm/2" Air Throttle 13mm/½" Water Outlet/Jet Orifice 38mm/1½"	660lpm	x 1
Waterco 50mm Suction Fitting	384lpm	x 2
TurboFlo 300 - 50mm ports (1 Phase)	700lpm	x 1

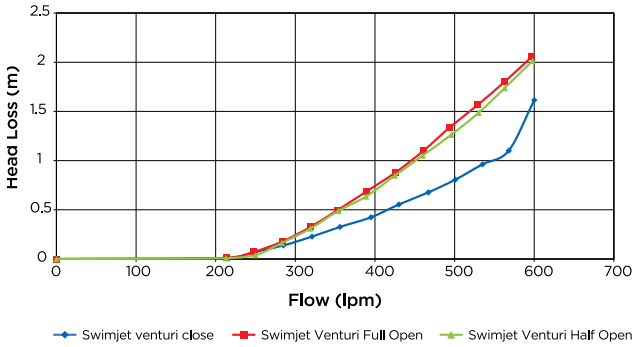
Note: Application per Waterco Swim Jet

Material	Swimjet Nozzle	Air Throttle Socket	Maximum Output
White or Grey PVC/ABS	50mm / 2"	1½"	660lpm

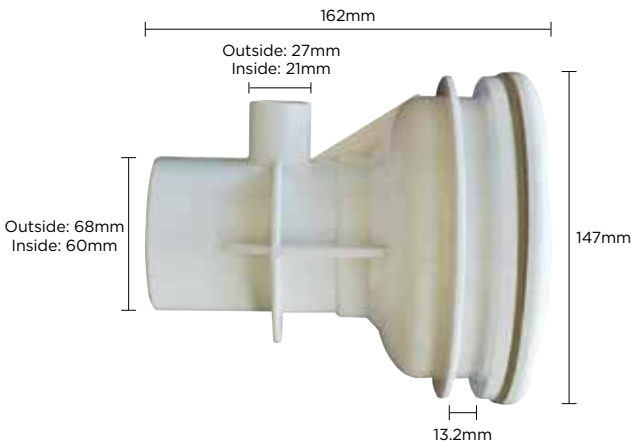
Standard Installations Options



Swimjet Head Loss Curve



Dimensions

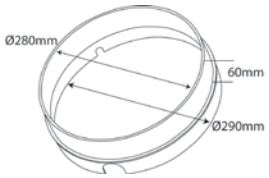


Recirculation

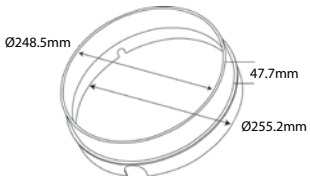


PVC/ABS

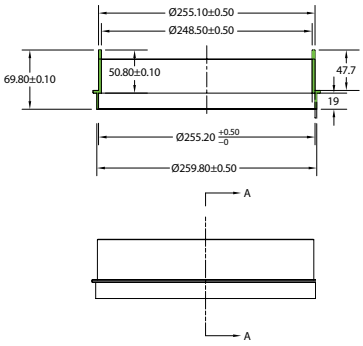
Part	Material
Lid	ABS
Body	ABS
Vac Plate	ABS
Basket	PP



624105 – for S75, Supa Skimmer & Auto Leveller.



624103 – for SP5000 (White)
624104 – for SP5000 (Grey)





SKIMMER BOX COMPLETE PARAMOUNT SP5000 (With Lid & Ring)

Part Number	Product Description	Variant	Pool Type
ASM002	Paramount SP5000 Box White Standard Throat Includes Lid & Round Ring	Sandstone Round	Concrete
	Consists of: -		
624012	Paramount SP5000 Box White Standard Throat		Concrete
6241085	Beige Round Includes AXSM075 Lid + AXSM073 Ring	Sandstone Round	
AXSM028	Escutcheon Kit SP5000		
624103	50.8mm SP5000 Extension Ring White		
624104	50.8mm SP5000 Extension Ring Grey		

The SP5000 skimmer is a general purpose skimmer which can be used in concrete, fibreglass and above ground pool installations.

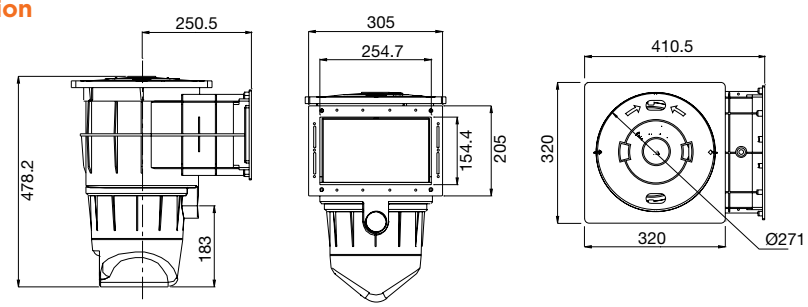
The SP5000 is sized to minimise excavation and reduce concrete and steel requirements, whilst maintaining an optimum skimming action. A horizontal 50mm suction take-off reduces the suction lift demands on the pump, saving energy.

Specifications

Model	Max. Surface Area	Max Flow Rate	Suction Pipe	Opening	Basket Capacity	Total Height	Total Depth	Unit Weight
		lpm	mm	mm	L	mm	mm	kg
SP5000	75m²	375	50	255x155	2.6	478.2	385	5

Note: Applicable for both products.

Dimension



Note: All Waterco Skimmer boxes comply with Australian Standards for Pool & Spa Skimmer boxes, AS1926.3-2010.

SKIMMER BOX EXTENSION RING

Part Number	Product Description
29260	Escutcheon Kit for S75/Supaskimmer
624105	60mm S75/Supaskimmer Extension Ring White
624107	50.7mm S75/Supaskimmer Extension Ring White

If the skimmer is to be installed so that the deck lid will not be secured to the skimmer body, Waterco recommends using a skimmer Extension Ring (624105) for trouble free installation. The Extension Ring sits snugly in between the skimmer body and the Deck Ring and is strong enough to hold its shape during concreting. Using the Extension Ring will prevent misalignment of the Deck Ring and the skimmer body.

- Eliminate problems caused by concrete intruding into the skimmer box cavity
- Ensure there are no obstructions to removing and replacing vacuum plates

Recirculation





PVC/ABS

SKIMMER BOX S75 COMPLETE (With Lid & Ring)

Part Number	Product Description	Variant	Pool Type
29251	Skimmer Box S75C MK2 White Standard Throat Includes Lid & Round Ring	Sandstone Round	Concrete
	Consists of: -		
624051	Skimmer Box S75C MK2		
6241800	Lid & Dress Ring S75 Sandstone		
29253	Skimmer Box S75C MK2 White Standard Throat Includes Lid & Square Ring	Sandstone Square	Concrete
	Consists of: -		
624051	Skimmer Box S75C MK2		
6241801	Lid & Dress Ring S75 Sandstone		
29260	Escutcheon Kit for S75/Supaskimmer		
624105	60mm S75/Supaskimmer Extension Ring White		
624107	50.7mm S75/Supaskimmer Extension Ring White		

The S75 skimmer is a general purpose skimmer which can be used in concrete, fibreglass and above ground pool installations.

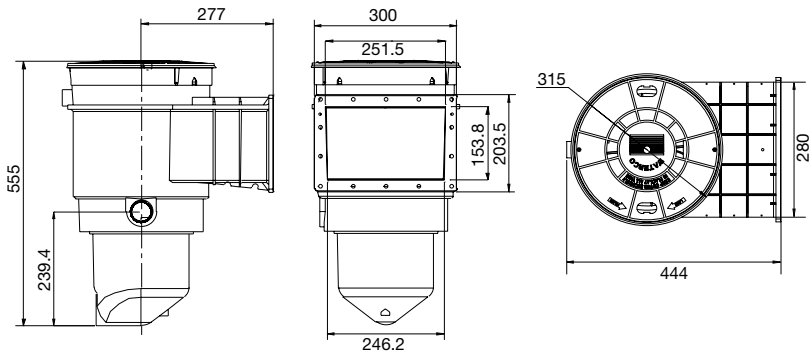
It has a built in overflow drain port to assist the prevention of flooding, during heavy rain. A horizontal 50mm suction take-off reduces the suction lift demands on the pump, saving energy.

- Lock down leaf basket and vacuum plate - holds the leaf basket and vacuum plate firm
- Child safety lid lock down system – prevents child accidents
- Square and round deck lid configuration

Specifications

Model	Max. Surface Area	Max Flow Rate	Suction Pipe	Opening	Basket Capacity	Total Height	Total Depth	Unit Weight
		lpm	mm	mm	L	mm	mm	kg
S75	75m^2	375	50	247x152	2.4	520	440	6

Dimension



Note: All Waterco Skimmer boxes comply with Australian Standards for Pool & Spa Skimmer boxes, AS1926.3-2010.

Recirculation



PVC/ABS

The SupaSkimmer is a large capacity skimmer box which is ideal for use in large domestic, semi commercial and commercial swimming pools.

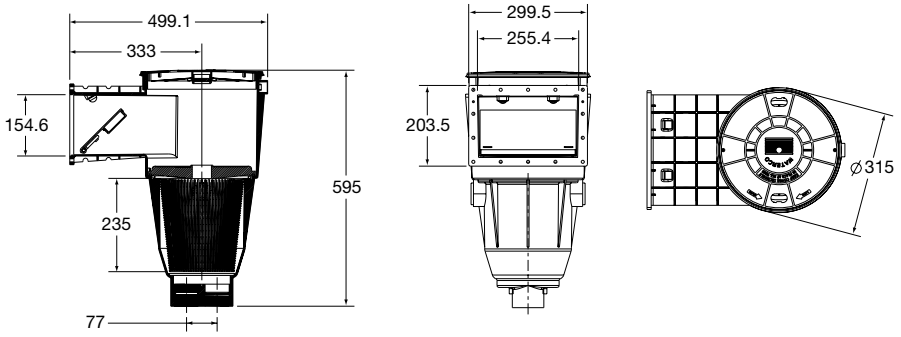
SUPA SKIMMER BOX COMPLETE (With Lid & Ring)

Part Number	Product Description	Variant	Pool Type
29201	Supa Skimmer Box White Standard Throat Includes Lid & Round Ring	Sandstone Round	Concrete
	Consists of: -		
624060	Supaskimmer Box White Standard Throat		
6241800	Lid & Dress Ring S75 Sandstone		
29206	Supa Skimmer Box White Standard Throat Includes Lid & Square Ring	Sandstone Square	Concrete
	Consists of: -		
624060	Supaskimmer Box White Standard Throat		
6241801	Lid & Dress Ring S75 Sandstone		
29210	Supa Skimmer Wide Mouth White Includes Lid & Round Ring	Sandstone Round	Concrete
	Consists of: -		
624062	Supaskimmer Box White Widemouth		
6241800	Lid & Dress Ring S75 Sandstone		
62426	Escutcheon kit for Supaskimmer Widemouth		

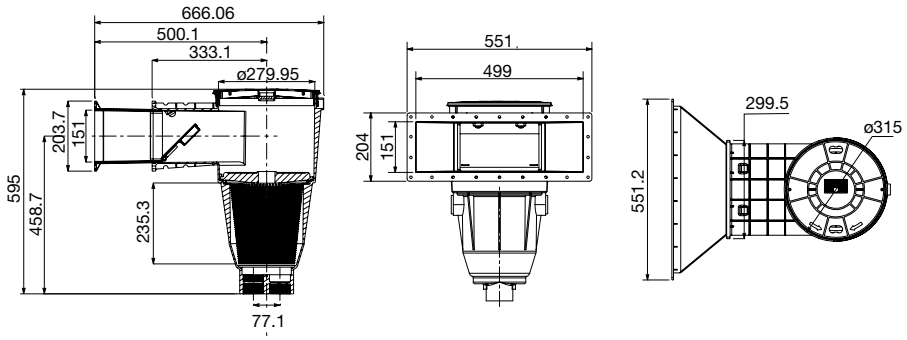
Specifications

Model	Max. Surface Area	Max Flow Rate	Suction Pipe	Opening	Basket Capacity	Total Height	Total Depth	Unit Weight
		lpm	mm	mm	L	mm	mm	kg
Supaskimmer	75m²	375	2x50	247x152	5.9	580	500	7
Supaskimmer Widemouth	75m²	375	2x50	551x152	5.9	580	500	10

SupaSkimmer



SupaSkimmer Widemouth



Note: All Waterco Skimmer boxes comply with Australian Standards for Pool & Spa Skimmer boxes, AS1926.3-2010.

Recirculation

ACCESSORIES FOR S75 & SUPA SKIMMER

Part Number	Product Description	Variant	Pool Type
624051	Skimmer Box S75C MK2 Standard Throat White		Concrete
624060	Supa Skimmer Box Standard Throat White		Concrete
624062	Supa Skimmer Wide Mouth White		Concrete
6241800	Beige Round Includes 624171S Lid + 624191S Ring	Sandstone Round	
6241801	Beige Square Includes 624171S Lid + 624181S Ring	Sandstone Square	
32717	S75 & Supa Skimmer Vacplate & Skimtrol (Fits 3 & 4 Lugs)		

ADJUSTABLE FLOOR INLET



PVC/ABS

Product Description	Colour	Port Size
Floor Inlet - Adjustable	White	40mm/50mm
Floor Inlet - Adjustable	Black	40mm/50mm

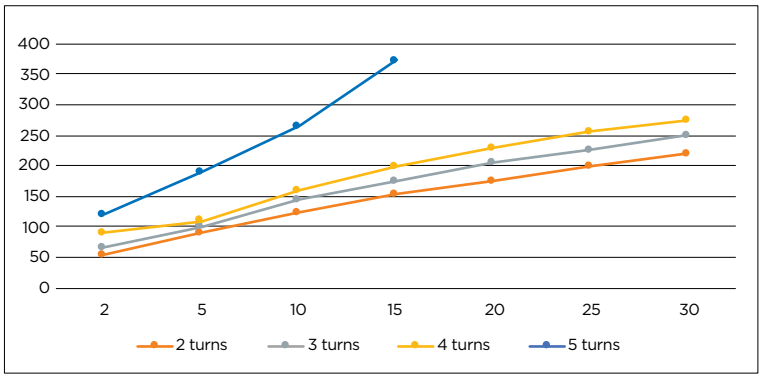
Part	Material
Body	ABS
Seal Plate	ABS
Top Plate	ABS
Slotted Plate	PVC

The adjustable inlet floor return is suitable for all swimming pools. It is especially useful where uniformed water distribution is desired or in shallow ends where normal eyeball returns cannot be fitted due to sloping entry. The discharge flow angle is a cone approximately 75 degrees.

Features:

- Full diametric flow – soft flow
- Flush fitting – no sharp edges
- Adjustable – balanced water return
- Interchangeable cover plate
- Self set – fits neatly into 50mm UPVC
- Can fit to external of 40mm or the inside of 50mm UPVC class 9 pipes

Recommended Max Flowrate = 245 lpm



Pressure Drop, kPa	2 turns	3 turns	4 turns	5 turns
2	55	65	90	120
5	90	100	110	190
10	125	145	160	265
15	155	175	200	375
20	175	205	230	-
25	200	225	255	-
30	220	250	275	-

Recirculation



PVC/ABS

Part	Material
Lid & Body	ABS
Water Inlet	Brass

AUTO WATER LEVELLER

Part Number	Product Description
29319	Auto Water Leveller MK2

Waterco's Automatic Water Leveller adds to the leisure time of the pool owner by eliminating the need to keep an eye on the water level.

- Fully automatic operation
- Overflow connection
- Child resistant lock down lid assembly
- Simple servicing and connection

Water Inlet	½"
Float Valve	⅜"
Overflow	25mm
Water Inlet	40mm



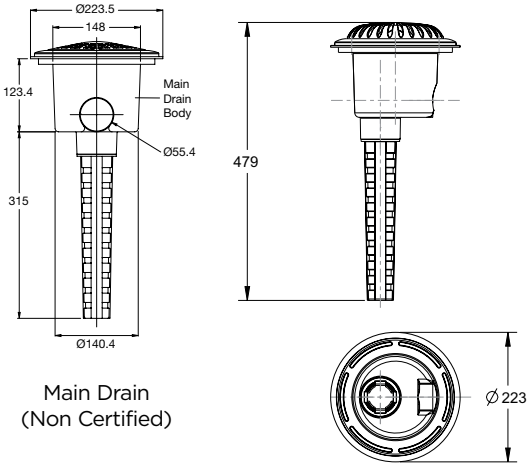
Part	Material
Body	PVC
Lid	ABS
Hydrostatic Stem	ABS

MAIN DRAINS

Part Number	Product Description	Colour	Port Size
293000	Waterco Main Drain MKII - white c/w valve and stem [Certified AS1926.3]	White	40mm
29301	Body	White	
29302	Hydrostatic Valve	White	
29304	Main Drain Stem	White	
29303	Cover & Dress Ring (white)	White	
293033	Cover & Dress Ring (MKII white)	White	

Waterco Main Drains are manufactured using the highest quality, impact resistant thermoplastic (ABS plastic). Main Drain incorporates a Hydrostatic valve. This valve will safeguard and stop your pool from lifting out of the ground or "popping" when the water level is low or when there is water under the pool. The long ground water spear detects underground water at a greater depth and causes the hydrostatic valve to release it before it can build up to a level that may damage your pool.

- Available in grey, white and beige.
- Flowrate shall never exceed 312 lpm for Main Drain MK2, as recommended under AS1926.3.



Main Drain (Non Certified)

Main Drain (Complies AS1926.3)

Recirculation

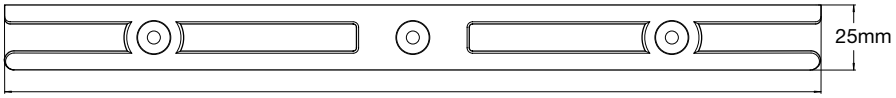


PVC/ABS

FLUSH DECK GRATING

Part Number	Product Description	Width
900302W	Flush Deck Grating c/w wave pattern with Waterco logo (41 per metre)	301mm
900303W	Flush Deck Grating c/w wave pattern with Waterco logo (41 per metre)	250mm

- Modular section – easy fitting especially around curves and bends
- Moulded pattern surface – non slip surface
- Flush fitting – no protrusion to pool surround
- Safe even water flow – maximum surface skimming
- Material : ABS



301mm OR 250mm
Curvature: minimum radius 800mm



PVC/ABS

SUCTIONS CONCRETE - CERTIFIED TO AS1926.3

Part Number	Product Description	Nominal Size
4534962	Waterco Slip Fit Clear	40mm
4534972	Waterco Slip Fit Clear	50mm
4534961	Waterco Slip Fit Grey	40mm
4534971	Waterco Slip Fit Grey	50mm
453496	Waterco Slip Fit White	40mm
453497	Waterco Slip Fit White	50mm
453494	Waterco Slip Fit Black	40mm
4534970	Waterco Slip Fit Black	50mm

- Available as 40 or 50mm pipe, slip fit for concrete and threaded for fibreglass pool applications.
- Low profile for minimal intrusion into the pool
- Suction area of 7500mm^2
- Available in clear, black, white and grey
- Also available in white with 50mm threaded tail
- Testing accordance with AS1926.3 2010
- Material : ABS
- Maximum Flowrate - 245 lpm (50mm)
  - 192 lpm (40mm)

PVC/ABS



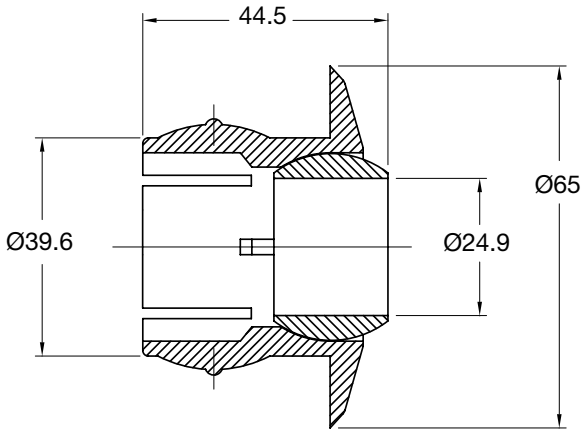
Slip Fit
For Concrete Pools

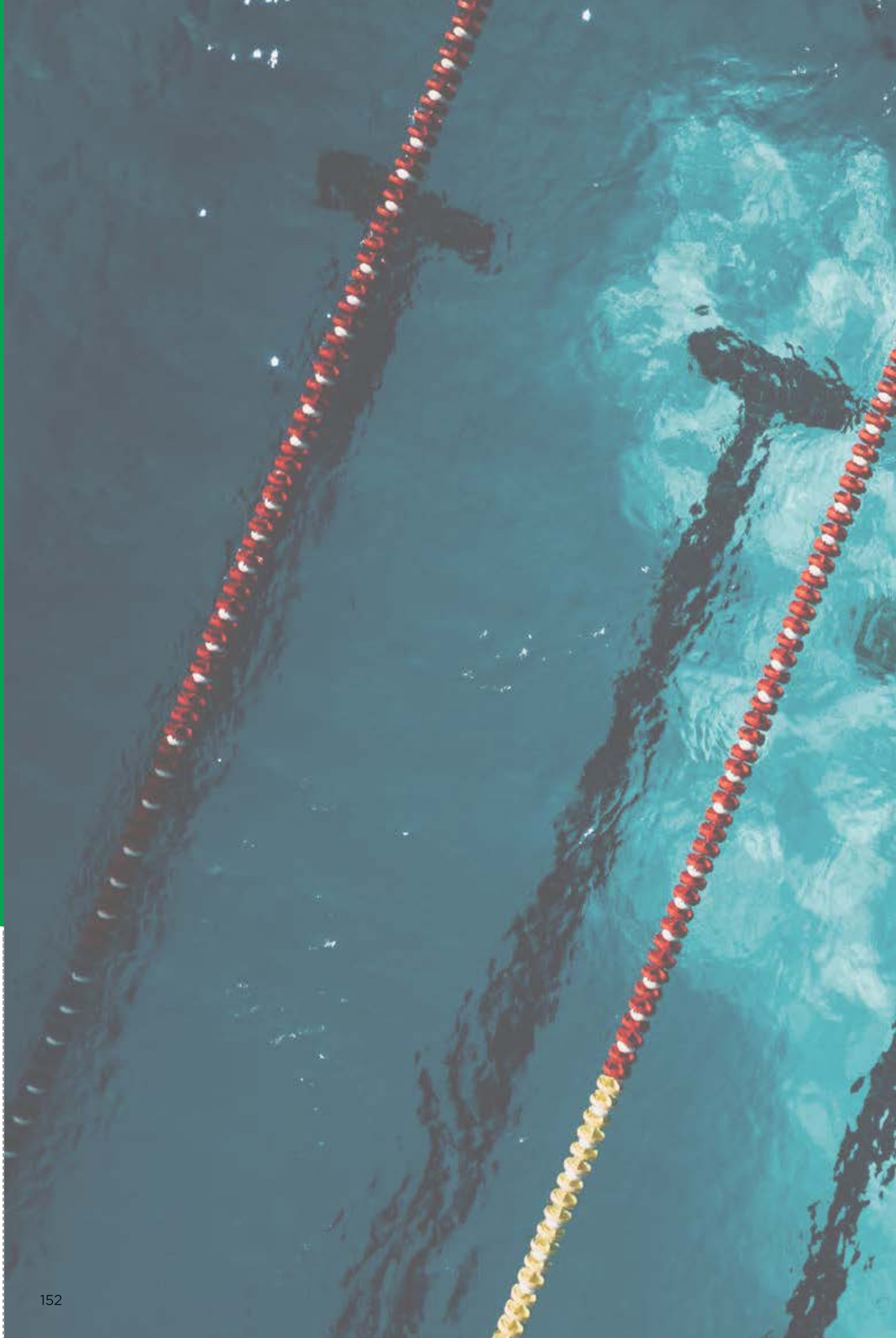


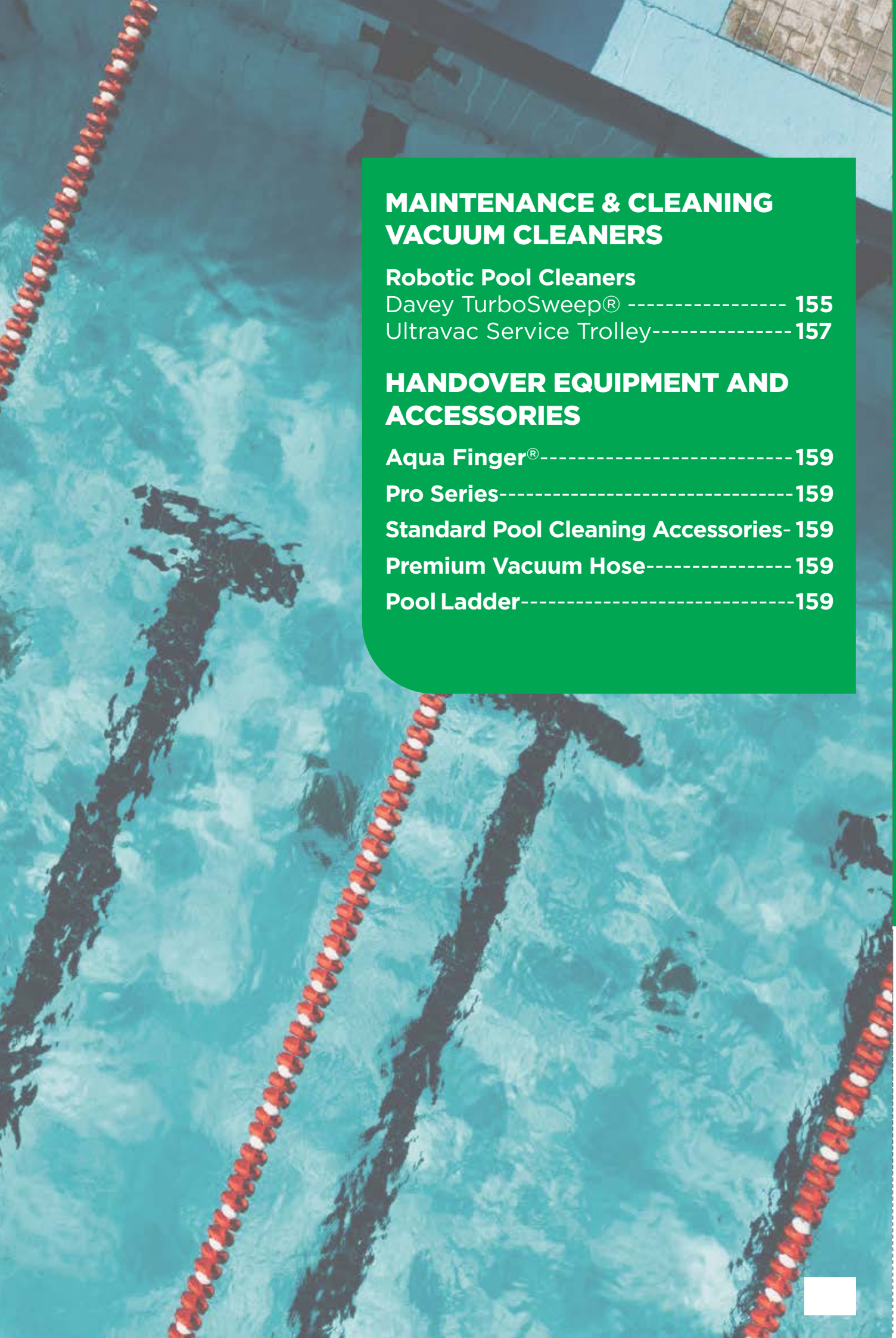
EYEBALL FITTINGS - CONCRETE POOLS

Part Number	Product Description	Nominal Size
29101	Multi Directional Eyeball (White)	CL9/40mm
29102	Multi Directional Eyeball (Brown)	CL9/40mm
29103	Multi Directional Eyeball (Clear)	CL9/40mm
29104	Multi Directional Eyeball (Black)	CL9/40mm
29108	Multi Directional Eyeball (Grey)	CL9/40mm
29150	Multi Directional Eyeball (White)	CL9/50mm
29153	Multi Directional Eyeball (Clear)	Cl9/50mm
291500	Multi Directional Eyeball (Grey)	Cl9/50mm

- Slip fit tail has crosshair slots for easy access into 40mm pipe
- Adjustable eyeball to assist directional flow of water
- Flush fitting wall collar
- Max flow rate: 245lpm
- Available in clear, black, grey, white and brown
- Also available in white with 50mm slip fit tail
- Material : ABS







MAINTENANCE & CLEANING VACUUM CLEANERS

Robotic Pool Cleaners
Davey TurboSweep® ---------- **155**
Ultravac Service Trolley---------- **157**

HANDOVER EQUIPMENT AND ACCESSORIES

Aqua Finger®----------159
Pro Series----------159
Standard Pool Cleaning Accessories- 159
Premium Vacuum Hose----------159
Pool Ladder----------159

DAVEY

DAVEY TurboSweep®



Davey's First Cordless Robotic Cleaner

www.davey.com.my

Vacuum Cleaners



Introducing the Davey TurboSweep®, a new robotic cleaner crafted for specialist pool retailers. This cleaner is designed for dependability and ease of repair, making it a reliable solution for any pool owner.

The Davey TurboSweep® is a reliable, high-performance cleaner that ensures a sparkling clean pool with minimal effort, making it the ideal choice for discerning customers who value both advanced technology and long-term durability.

DAVEY
TurboSweep®

- **AdaptiveNav 4.0 Path Planning** for intelligent and efficient cleaning of floors, walls, and waterlines.
- **Active Inverter Brush** that provides powerful, edge-to-edge cleaning, adapting to various pool surfaces.
- **Modular Design** that allows for easy and cost-efficient replacement of specific components, ensuring a long product lifespan and simple maintenance.
- **Full Control** via a smart app and a remote control, allowing for scheduled cleaning or on-the-spot manual operation.

Part Number	Product Description
326442	Turbosweep Robotic Pool Cleaner

PRODUCT INFORMATION

Basic Information	TurboSweep®
Dimensions	550x470x262mm
Net Weight	9.4 KG
Pool Depth	3.6m / 12ft
Max Pool Slope	50°
Suitable Pool Size	≤ 500 m^2
Cleaning Module	
Cleaning Areas	Floor, Walls, Waterline, Edges, Surface (with skimmer), Stairs, Sun ledges
Max Suction	320 L/min (5070 GPH)
Filter Basket Capacity	6 L
Filter Options	25/75/150 μm
Active Brush	Single Brush with Independant Motor
Cleaning Modes	Floor, Waterline, All, Manual, Weekly
Cleaning Speed	0.5 m/s (30 m/min)
Cleaning Efficiency	12m^2/min Or 600 m^2/h
Control Method	Automatic & Manual
Intelligent Operation	
Path Planning	AdaptiveNav 4.0 Navigation System
Sensors	12 Built-in Sensors
Basket Reminder	Supported
Intelligent Self-rescue	Supported
Adaptive Suction Control	Supported
Voice Prompt	Supported
Remote Control	Supported
App Control	Supported (Bluetooth/Wi-Fi dual connectivity)
Status Display	Supported
Battery Performance	
Max Runtime	Up to 7.5 hours
Battery Capacity	18000 mAh (333 Wh)
Charging Temperature	0°C–40°C
Charging Power	60 W (supports 100W fast charging)
Charging Time	5.5 Hours
Input (Current / Voltage)	3A, 21V
1+N Accessories	
Panoramic Skimmer	Optional
1st Gen Remote Control	Optional
2nd Gen Remote Control	Supported
Solar Panel	Optional



Multicyclone Ultra Vac Portable Filtration Cart

- Introducing Waterco's latest product release
- State of the art mobile cleaning trolley featuring the award winning multicyclone technology.
- Call for further details



WATERCO
water, the liquid of life

www.waterco.com

Vacuum Cleaners



- Award winning MultiCyclone technology.
- Integrated pleated filter cartridge.
- Extended filter cleaning cycles and increased filter cartridge life span.
- Supastream self-priming pump.

ULTRAVAC SERVICE TROLLEY

Part Number	Product Description	Port Size
200400M	Ultravac Service Trolley Malaysia (Supastream 50 + MultiCyclone 12 Plus C40)	40mm

The MultiCyclone Ultra Vac portable filtration cart is a versatile filtration solution for every service need. It gives you the ability to vacuum your swimming pool, water feature, pond or fountain with a portable pump and filter – without losing valuable water.

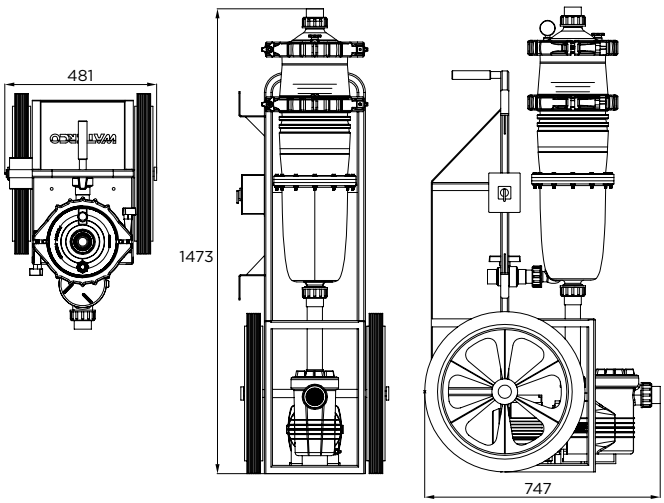
Product Feature & Benefits:

- Sturdy cart construction: Constructed from strong structural steel tubing and powder coated for protection, capable of lasting many years.
- User-friendly design: Large wheels make it easy to navigate steps and uneven terrain such as gravel and a built-in shelf enables easy access to test kits for service technicians.
- The vacuum hose is easily fitted to the quick connect hose adaptors.
- Protective foot pads: Protective footpads, ensure you don't damage pool surrounds and paving.
- Self-priming pump: Supastream self-priming energy-efficient pump equipped with Waterco's innovative secondary seal for extra motor protection.
- Safety protection: The Ultra Vac comes standard with a 10m power cord while an RCD (residual current device) and isolator provide peace of mind safety protection.
- Pleated filter cartridge; its pleated filter cartridge is constructed from heavy-duty polyester filter fabric with deep pleats for long service life.
- This Portable Filtration Cart features the award-winning MultiCyclone, which removes up to 80 per cent of the incoming dirt load before it reaches the cartridge filter. It means you can vacuum for up to 5 times longer when compared to similar portable Vac systems.
- Simple maintenance: The MultiCyclone is easily cleaned by opening its purge valve. Only 15 litres of water is discharged to cleanse the MultiCyclone.





Dimensions (mm)



Note: Standard Ultravac comes with a 0.5Hp Supastream pump and Multicyclone Plus MC12 (40 ft2 cartridge). Other combinations available upon request. Vacuum hose is not supplied.

Waterco's Pool Cleaning Accessories

Waterco has redesigned its cleaning accessories to improve hydraulic efficiency and simplify pool maintenance.

2 YEAR WARRANTY



Aqua Fingers®

Aqua Finger® makes cleaning smooth surface pools easier and quicker as more surface area is covered by its high density microfibre attachment.

Multi Purpose Microfibre Broom

- Large surface area for effective cleaning
- Can also be used to clean glass fencing, pool covers and windows



Brush Vacuum Head Pro

Pro

- Brush and vauum the pool floor



Flexible Vacuum Head

Pro

- Weighted for optimum hydraulic balance



Algae Brush Pro

Pro

Large design to take on the largest Pool Algae problems.



Algae Brush Pro

Pro

Designed to cut open the hard membranes of "Black Spot" algae.

Pool Broom Pro

Pro

The broom's curved ends make it easier to sweep around the corners of the pool.





Leaf Rake Pro

Pro

The rake's leading edge lifts debris up and flicks it into the net.

Designed for many years of functional use, Waterco's pool cleaning accessories are manufactured from the highest quality U.V. stabilised plastics.

Handover Equipment and Accessories



AQUA FINGER® MULTI-PURPOSE SMOOTH SURFACE BROOM

Part Number	Product Description	Carton Qty
31330	Pool Broom Pro With Micro Fibre Sock	12
31331	Micro Fibre Sock	12







PRO SERIES POOL CLEANING ACCESSORIES

Part Number	Product Description	Carton Qty
313054	Brush Vacuum Head Pro	12
31313	Flexible Vacuum Head Pro	12
31329	Pool Broom Pro	12
3132320	Leaf Rake Pro	12
31308	Algae Brush Pro Blue Bristle	12
3132324	Leaf Rake Omni	12





PRO SERIES POOL CLEANING ACCESSORIES (EU/USA HANDLE)

Part Number	Product Description	Carton Qty
3130540	Brush Vacuum Head Pro EU/USA Handle	12
313080	Algae Brush Pro EU/USA Handle	12
313130	Flexible Vacuum Head Pro EU/USA Handle	12
3131521	Leaf Skimmer Pro EU/USA Handle	12
3132321	Leaf Rake Pro EU/USA Handle	12
313290	Pool Broom Pro EU/USA Handle	12
313300	Multi Purpose Micro Fibre Broom EU/USA Handle	12
3132325	Leaf Rake Omni EU/USA Handle	12



STANDARD POOL CLEANING ACCESSORIES

Part Number	Product Description	Nominal Size	Carton Qty
31385	Telescopic Pole	8ft - 16ft	12
31380	Telescopic Pole	4ft - 8ft	12



WATERCO PREMIUM VACUUM HOSES

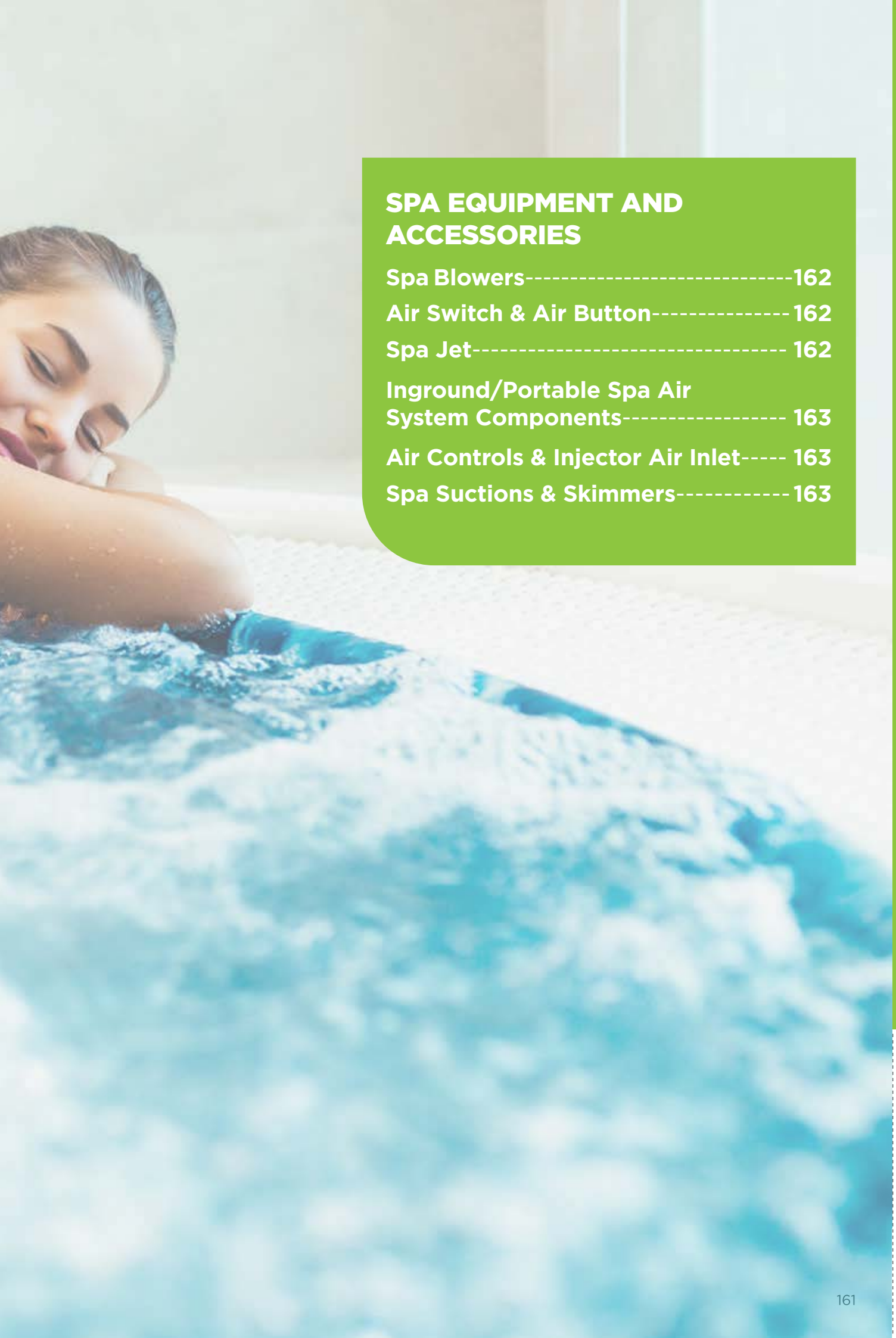
Part Number	Product Description	Nominal Size
31011	Waterco Premium Vacuum Hose 38mm	11m
31015	Waterco Premium Vacuum Hose 38mm	15m



POOL LADDER

Part Number	Product Description	Specification
W22996	SS304 3-Step Ladder	SS304
W22997	SS304 4-Step Ladder	SS304
W22998	SS316 3-Step Ladder	SS316
W22999	SS316 4-Step Ladder	SS316





SPA EQUIPMENT AND ACCESSORIES

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Spa Equipment and Accessories



SPA BLOWERS

Part Number	Product Description	Nominal Size
282400	Airflo Blower	900W
282401	Whisperair Blower	900W
282421	Whisperair S Blower (c/w Airswitch)	900W
282500	Airflo Blower	1200W
282501	Whisperair Blower	1200W
282521	Whisperair S Blower (c/w Airswitch)	1200W



WATERCO AIR SWITCH & AIR BUTTON

Part Number	Product Description	Nominal Size
	Air Switch	
ASF010	Single Air Switch (10amp) c/w 6m Tubing	10A
ASF012	Single Air Switch (10amp) c/w Time Clock and 6m Tubing	10A
ASF024	Double Air Switch (10amp) c/w 12m Tubing	10A
ASF026	Double Air Switch (10amp) c/w Time Clock and 12m Tubing	10A
SB112701	PVC Tubing OD 6mm x ID 3mm	100m



	Air Button	
ASF202	Air Button Low Profile - White	
ASF218	Air Button Low Profile - Chrome	
ASF199	Air Button Self Set - White	



SPA JETS

Part Number	Product Description	Fitted to
	Venturi Spa Jet	
45530	Concrete Venturi Spa Jets	
	Consists of: -	
45365	1 x 40mm Venturi "T" with 20mm Pipe Fitted Air Inlet Port	40mm socket
29101	1 x 40mm Eyeball to suit - White	40mm CL9 pipe
45242	20mm Air Bleed Valve - White	20mm socket
453653	Venturi Nozzle (only)	
	25mm Mini Jets	
AS&P400	Compact Jet Body 25mm Water, 9mm Barbed Air	25mm pipe
	Double Manifold for Adjustable Faceplates	
ASF296	S&P Adjustable Faceplate, c/w 8mm Nozzles	
	34 LPM @ 90kPa	
	40mm Jets	
ASF390	Jet Body (Single) 40mm Water 15mm Air, c/w 8mm Nozzles	40mm pipe
ASF272	Ultra Standard Faceplate (for ASF390)	
ASF440	Turbo Jet White 40mm Water 15mm Air c/w ASP005	40mm pipe
ASP210	Turbo Jet Grey 40mm Water 15mm Air/w ASP005	40mm pipe
ASP005	Turbojet Adjustable Directional Nozzle, 8mm Nozzles	
	37 LPM @ 104kPa	
ASP198	Faceplate Opener for Turbojets	



Spa Equipment and Accessories



AC1434



AC1776



AC1785

INGROUND/PORTABLE SPA AIR SYSTEM COMPONENTS

Part Number	Product Description	Nominal Size
ASP215	S&P Air Injector White (Top, Body & Clamp)	
	Consists of: -	
AC1776	Air Injector Body only - 26mm Female Thread, 9mm Barbed Air	
AC1434	S&P Injector Top only White - 25mm Threaded	7x 3mm air holes
AC1785	Clamp Ratchet 9mm	
ASP217	S&P Air Injector White (Top, Body & Clamp)	
	Consists of: -	
AC1776	Air Injector Body only	
AC2028	S & P Injector Top only Grey - 25mm Threaded	7x 3mm air holes
AC1785	Clamp Ratchet 9mm	



ASF102



ASF170



ASF242

AIR CONTROLS & INJECTOR AIR INLET

Part Number	Product Description	Nominal Size
ASF102	Standard Air Control - White	3/4" female thread
45242	Air Bleed Valve - White Threaded	20mm socket
ASF170	Self Set Air Control - White	25mm pipe
ASF174	Self Set Air Control - Beige	25mm pipe
ASF242	Air Injector - White (17 x 2mm Air Holes)	25mm pipe
ASF243	Air Injector - Beige (17 x 2mm Air Holes)	25mm pipe



ASF480



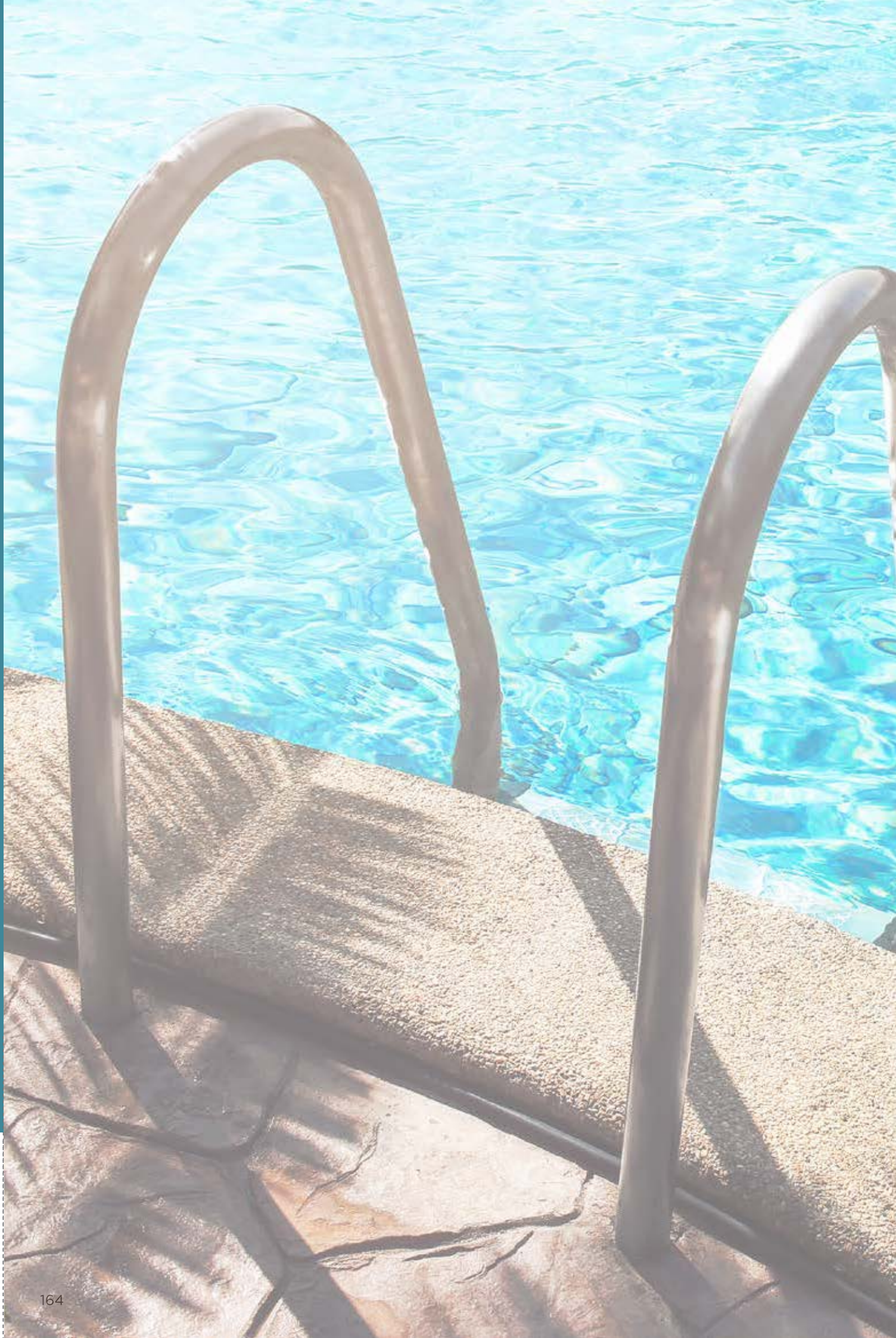
ASF523



ASF080

SPA SUCTIONS & SKIMMERS (AS1926.3.2010 Compliant)

Part Number	Product Description
	Suctions
ASF480	Supa Suction 40mm Threaded - White
ASF523	Suction with Back Nut, Slip Fit (Glue) 40mm - White
	Skimmer
ASF080	Strip Skimmer - White





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Fittings & Valves



PVC PRESSURE PIPE AND FITTINGS

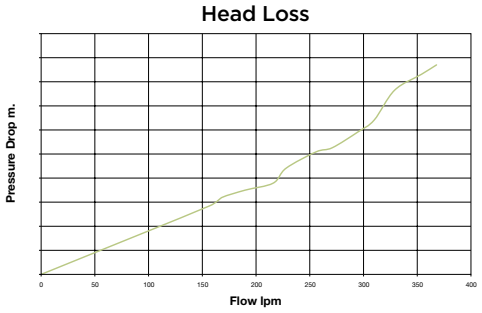
Part Number	Product Description	Nominal Size	Carton Qty
112509	Class 9	25mm x 6m	5 per bundle
114008	Class 9	40mm x 3m	5 per bundle
114009	Class 9	40mm x 6m	5 per bundle
115009	Class 9	50mm x 6m	3 per bundle
112012	Class 12	20mm x 6m	5 per bundle
112512	Class 12	25mm x 6m	5 per bundle
114012	Class 12	40mm x 6m	5 per bundle
115012	Class 12	50mm x 6m	3 per bundle
111515	Class 15	15mm x 6m	5 per bundle
114018	Class 18	40mm x 6m	5 per bundle
114015	Solarpipe - Black	40mm x 6m	5 per bundle
115013	Solarpipe - Black	50mm x 6m	3 per bundle
627020	Conduit	20mm x 3m	
627025	Conduit	25mm x 3m	



SWEEP ELBOW

Part Number	Product Description	Nominal Size	Carton Qty
121553	Sweep Elbow - Black	50mm	30
121552	Sweep Elbow - White	50mm	30

Waterco's 50mm PVC Sweep Elbow is specifically designed to provide a long radius for superior water flow. This is the perfect solution to improving a pool's hydraulic efficiency, particularly when using energy efficient pumps.



FITTINGS ELBOW 90°



Part Number	Product Description	Nominal Size	Carton Qty
121315		15mm	
121320		20mm	
121325		25mm	220
121340		40mm	90
121350		50mm	60
121343	Street Elbow 90°	40mm	100
121365		65mm	

FITTINGS ELBOW 45°



Part Number	Product Description	Nominal Size	Carton Qty
121015		15mm	
121020		20mm	
121025		25mm	300
121040		40mm	120
121050		50mm	90

Fittings & Valves



MALE VALVE ADAPTOR

Part Number	Product Description	Nominal Size	Carton Qty
12220		20mm	
12225		25mm	
12240		40mm	200
12250		50mm	



FEMALE FAUCET ADAPTOR

Part Number	Product Description	Nominal Size	Carton Qty
12320		20mm	
12325		25mm	
12340		40mm	100
12350		50mm	



MALE VALVE SOCKET

Part Number	Product Description	Nominal Size	Carton Qty
121720		20mm	
121725		25mm	
121740		40mm	180
121750		50mm	
121765		65mm	



FEMALE FAUCET SOCKET

Part Number	Product Description	Nominal Size	Carton Qty
121820		20mm	
121825		25mm	
121840		40mm	180
121850		50mm	120



TEE

Part Number	Product Description	Nominal Size	Carton Qty
121915		15mm	
121920		20mm	
121925		25mm	150
121940		40mm	70
121950		50mm	40
121965		65mm	



REDUCING TEE

Part Number	Product Description	Nominal Size
1219252		25 x 20mm
1219402		40 x 20mm
1219403		40 x 25mm
1219504		50 x 40mm

Fittings & Valves



FAUCET TEE

Part Number	Product Description	Nominal Size
1221401		40 x 15mm BSP
1221402		40 x 20mm BSP
1221403		40 x 25mm BSP



COUPLING / JOINERS

Part Number	Product Description	Nominal Size	Carton Qty
12715		15mm	
12720		20mm	
12725		25mm	400
12740		40mm	180
12750		50mm	120
12765		65mm	



CAP / END CAP

Part Number	Product Description	Nominal Size	Carton Qty
12615		15mm	
12620		20mm	
12625		25mm	500
12640		40mm	250
12650		50mm	150
AC700	Internal Caps	25mm	
AC703	Internal Caps	40mm	



REDUCING BUSH

Part Number	Product Description	Nominal Size	Carton Qty
125251		25 x 15mm	
125252		25 x 20mm	
12543		40 x 25mm	450
12555		50 x 40mm	220
12565		65 x 50mm	
12555BLK	Black	50 x 40mm	220



REDUCING COUPLING

Part Number	Product Description	Nominal Size	Carton Qty
128252		25 x 20mm	
12842		40 x 20mm	
12843		40 x 25mm	
12855		50 x 40mm	150



SCREWED PLUG

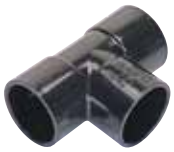
Part Number	Product Description	Nominal Size	Carton Qty
122340		40mm	

Fittings & Valves



BLACK FITTING - ELBOW

Part Number	Product Description	Nominal Size	Carton Qty
121342	Elbow 90°	40mm	90
121352	Elbow 90°	50mm	60
121042	Elbow 45°	40mm	120
121052	Elbow 45°	50mm	90



121942



12642

BLACK FITTING - OTHER

Part Number	Product Description	Nominal Size	Carton Qty
12742	Coupling	40mm	180
12752	Coupling	50mm	120
121942	Tee	40mm	70
121952	Tee	50mm	40
12642	Cap	40mm	250
12652	Cap	50mm	150
1222411	Barrel Union (Threaded - Black)	40mm	

BARREL UNION



Part Number	Product Description	Nominal Size
122225	Barrel Union (Standard)	25mm
122240	Barrel Union (Standard)	40mm
122250	Barrel Union (Standard)	50mm
122280	Barrel Union (Standard)	80mm
122241	Barrel Union (Threaded)	40mm
1222510	Barrel Union (Threaded) Black	50mm

PIPE



Part Number	Product Description	Nominal Size
118009	Class 9	80mm x 6m
111009	Class 9	100mm x 6m
116512	Class 12	65mm x 6m
118012	Class 12	80mm x 6m
111012	Class 12	100mm x 6m

FITTINGS



121380



1210100

Part Number	Product Description	Nominal Size
121380	90° Elbow	80mm
1213100	90° Elbow	100mm
121080	45° Elbow	80mm
1210100	45° Elbow	100mm
121980	Tee	80mm
1219100	Tee	100mm
12780	Coupling	80mm
127100	Coupling	100mm
12586	Reducing Bush	80 x 50mm
125107	Reducing Bush	100 x 80mm

Valves



FLOWVIS VALVE

Part Number	Product Description	Nominal Size
132312	FlowVis Valve 50/65mm	50/65mm

FlowVis® is a revolution in reliable flow measurement. It is the most advanced precision flow meter designed specifically for pools, spas, fountains, and water features.

The FlowVis is ideal to install in conjunction with a variable/multi speed pumps. This will enable accurate pump operating speed adjustments to ensure sufficient water flows to the pools filtration, sanitising and heating equipment



COMPACT BALL VALVE

Part Number	Product Description	Nominal Size	Carton Qty
14025	Compact Ball Valve 25mm	25mm	36
14040	Compact Ball Valve 40mm	40mm	18
14050	Compact Ball Valve 50mm	50mm	12

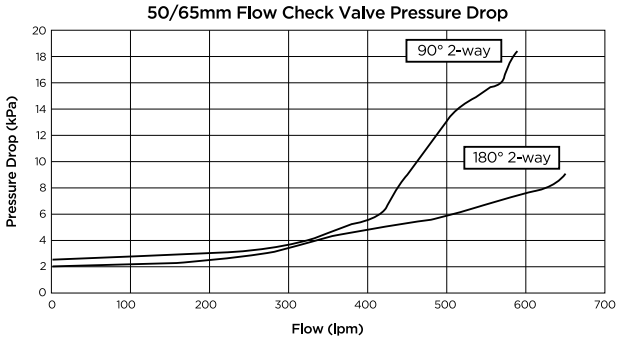


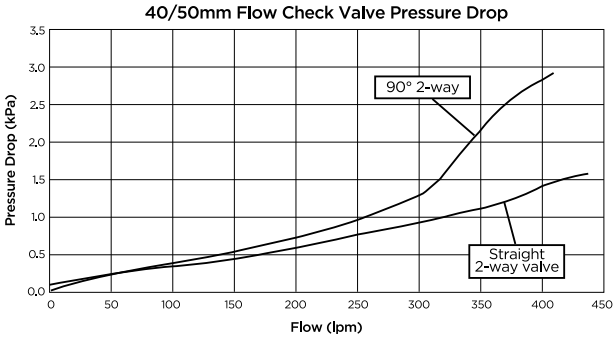
FLOW CHECK VALVE - Spring Loaded

Part Number	Product Description	Nominal Size	Carton Qty
14641	Flow Check Valve 180 deg Straight	40/50mm	20
146419	Flow Check Valve 90 deg Elbow	40/50mm	20
14651	Flow Check Valve 180 deg Straight	50/65mm	20
146519	Flow Check Valve 90 deg Elbow	50/65mm	20

Waterco's Flow Check valves have been designed to be simple to install, inspect and service.

- Ideal for both inlet and return lines.
- 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.





Valves



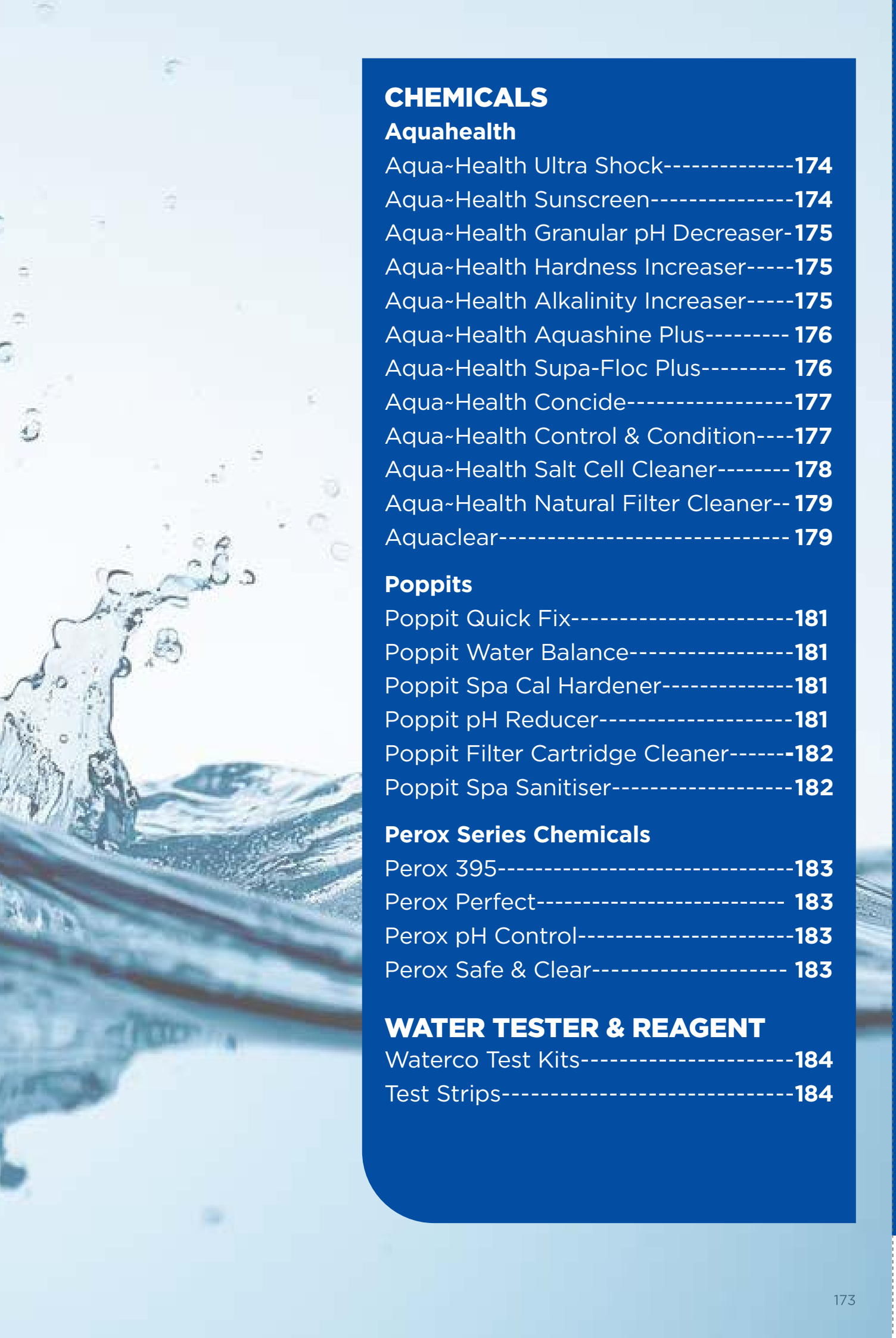
FPI VALVES 400 kPa

Part Number	Product Description	Nominal Size	Carton Qty
148503	2 Way Valve Threaded with Half Unions (6 Bar)	25/32mm	20
148505	2 Way Valve Slip Fit (6 Bar)	25/32mm	20
148500	3 Way Valve Threaded with Half Unions (6 Bar)	25/32mm	20
148502	3 Way Valve Slip Fit (6 Bar)	25/32mm	20
14852	2 Way Valve (4 bar)	40/50mm	20
14853	3 Way Valve (4 bar)	40/50mm	20
14856	2 Way Valve (4 bar)	50/65mm	20
14860	3 Way Valve 360° (4 bar)	50/65mm	20
14892	2 Way Valve Threaded with Half Unions (4 bar)	65/80mm	20
14893	3 Way Valve Threaded with Half Unions (4 bar)	65/80mm	20
148564	2 Way Valve Actuated Type (4 bar)	50/65mm	20
148584	3 Way Valve Actuated Type (4 bar)	50/65mm	20

Waterco FPI Valves are designed for optimal hydraulic flow and engineered to be maintenance free.

- Teflon™ seals*
- Quick installation
- UPVC and ABS construction
- Available in 2 and 3 way configurations
- 316 grade stainless steel components
- 400 to 600kPa pressure rated





CHEMICALS

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Chemicals



AQUA~HEALTH ULTRA SHOCK

Part Number	Product Description	Pack Size	Carton Qty
34004	Ultra Shock	1kg	12
34006	Ultra Shock	5kg	1

Aqua~Health Ultra Shock is an alternative non-chlorine treatment to superchlorination for the 'shock' treatment of swimming pools. It effectively oxidises the organic content of pool water quickly and easily, leaving it sparkling clean. Ultra Shock is compatible with vinyl, chlorinated, brominated and ozonated pools.

Features & Benefits

√ Contains NO chlorine - no unpleasant odours

√ Like chlorine, destroys organic compounds - makes water sparkle

√ Compatible with all chlorinated (including salt), brominated or ozonated sanitising systems

√ Dissolves easily in water - no pre-mixing is required

√ Suitable in any pool water conditions

√ Preferred for "superchlorination" in salt water pools as it doesn't affect chlorinator electrodes

√ No pool shutdown required - dose and swim 1 hour later

√ Pre-measured jars are simple to use

Available Pack Sizes

1kg and 5kg

Recommended Dosage

For pools add 125g/10,000L, for spas 60g/2,000L.



AQUA~HEALTH SUNSCREEN

Part Number	Product Description	Pack Size	Carton Qty
34713	Sunscreen	3kg	6
34715	Sunscreen	25kg	1

Reduces chlorine consumption in pools by up to 50% by protecting and stabilising the chlorine from the sun's harmful ultraviolet rays. Ideal for chlorinated and salt water pools. It stabilizes the free chlorine and prevents chlorine breakdown by UV light from the sun. Aqua~Health Sunscreen also ensures the sanitiser works effectively.

Features & Benefits

√ Protects chlorine from the sun's UV rays

√ Use in all chlorine and salt pools and Spas

√ Use in all chlorinated and saltwater pools and spas

Available Pack Sizes

3kg and 25kg

Recommended Dosage

500g/10,000L raises sunscreen levels by 50ppm.

Levels between 30 and 50ppm are ideal. Levels over 100 ppm will cause chlorine Lock.

There is no added benefit of levels above 50ppm.

Chemicals



AQUA~HEALTH GRANULAR PH DECREASER

Part Number	Product Description	Pack Size	Carton Qty
6508025	Granular pH Decreaser (Dry Acid)	25kg	1

A safer alternative to hydrochloric acid, this special formulation reduces the pH and lower the total alkalinity in pool water.

Features & Benefits

√ Safe to handle. √ Soluble in water. √ Long shelf life. √ No fumes.

Available Pack Sizes

25kg

Recommended Dosage

Application rate will depend on the pH and size of the pool. Please refer to product label or your pool shop specialist for dosages and application.



AQUA~HEALTH HARDNESS INCREASER

Part Number	Product Description	Pack Size	Carton Qty
34658	Hardness Increaser (Cal-Chloride)	8kg	2
35658	Hardness Increaser (Cal-Chloride)	25kg	1

Aqua~Health Hardness Increaser raises the hardness of water (the concentration of dissolved calcium) in your pool thus preventing pitting of concrete-based pool walls and erosion of mortar and tile grout. It also reduces damage to Marblesheen and pebble finished pools, caused by low levels of calcium.

Features & Benefits

√ Non-hazardous chemical

√ Excellent at increasing the level of water hardness

√ Totally soluble in pool water

√ Has a shelf life of several years if stored in cool, dry conditions

√ Will not affect the pH or total alkalinity

Available Pack Sizes

8kg and 25kg

Recommended Dosage

For an increase of 10ppm use 150g/10,000L of pool water.



AQUA~HEALTH ALKALINITY INCREASER

Part Number	Product Description	Pack Size	Carton Qty
34646	Alkalinity Increaser (Bi-Carb)	10kg	2
34650	Alkalinity Increaser (Bi-Carb)	25kg	1

Aqua~Health Alkalinity Increaser raises the total alkalinity of your pool and acts as a pH buffer. Pool water treated with Aqua~Health Alkalinity Increaser will have a pH that is most comfortable to swim in.

Aqua~Health Alkalinity Increaser also helps protect against corrosion and scaling, and maintain a stable pH.

Features & Benefits

√ Excellent at buffering the pH of pool water at a level comfortable for swimming and appropriate for chlorine disinfection

√ Totally soluble in any water conditions

√ Has a shelf life of several years if stored in cool, dry conditions

√ Is a non-hazardous chemical

Available Pack Size

2kg

Recommended Dosage

For a 60ppm increase in total alkalinity, add 1kg /10,000L of pool water. Dissolve in a bucket of water and distribute over the pool. Run filter for at least 8 hours.

Chemicals



AQUA~HEALTH AQUASHINE PLUS

Part Number	Product Description	Pack Size
34722	Aquashine Plus	1L

Aqua~Health Aquashine Plus is a water polisher designed to maintain the sparkle in pool water. It contains ingredients that bind with materials which can cause cloudy water allowing them to be easily filtered out of the pool. It also conditions the filter to assist in the removal of suspended matter.

Features & Benefits

√ Improves filter efficiency.
√ It's concentrated; 1L will treat 100,000L of pool water when used on a maintenance basis.
√ Fast acting - coagulated particles will be filtered out or settle overnight.
√ Effective in a wide range of water qualities (pH, alkalinity, hardness, etc.).
√ Pool can be used immediately after treatment - no waiting period.
√ Can be used in conjunction with other pool chemicals.
√ Biodegradable, non-toxic and non-irritating.
√ Can be used in all types of pool finishes.

Available Pack Sizes
1L

Recommended Dosage
For initial use 200mL/10,000L of pool water, for ongoing maintenance 100mL/10,000L of pool water.



AQUAHEALTH LIQUID FLOC AND CLARIFIER

Part Number	Product Description	Pack Size
34786	Liquid Floc and Clarifier	1L

Clears cloudy water and improves filtration. This product can combine with suspended particles such as dirt and dead algae and cause them to drop to the bottom of the pool to be vacuumed out. Use this product when you do not wish to raise your pH levels to restore clarity to cloudy pool water.

Features & Benefits

√ Requires no adjustment of normal pool pH (best between 7.6-7.7)
√ Clears the cloudiest pools in under 6 hours
√ Easy to apply liquid formulation
√ No messy residue
√ Removes dead algae and other floating particles
√ Quickly settles debris and organic matter to the bottom of the pool
√ Very economical to use
√ Compatible with all types of pool chemicals
√ Can be used in all types of pool finishes

Available Pack Sizes
1L

Recommended Dosage
Mix 1L per 50,000L of pool water in a bucket of water and spread over pool area. Set filter to recirculate and run pump for 4-6hrs. Leave pool to settle and then vacuum sediment to waste.

Chemicals



AQUAHEALTH MAINTENANCE ALGAECIDE

Part Number	Product Description	Pack Size
34550	Maintenance Algaecide	500mL
34555	Maintenance Algaecide	1L

Aqua-Health Maintenance Algaecide is an extra-strength algaecide especially formulated to kill and control algae where there are severe problems. Its active ingredients make it ideal for controlling all types of algae including the more resistant black stains.

Features & Benefits

√ Effective against all types of algae even the usually more resistant stains.

√ Compatible with chlorine, it also has negligible effect on pH, total alkalinity, and hardness

√ Once added, remains effective for three months

√ Extra-strength formulation is great for stubborn algae problems

Available Pack Sizes
500mL and 1L

Recommended Dosage
Initial dose 85mL/10,000L of pool water. If severe double the dose.



AQUA-HEALTH METALS CONTROL & CONDITION

Part Number	Product Description	Pack Size	Carton Qty
34776	Control & Condition	1L	12

Aqua-Health Metals Control & Condition is designed to control hardness salt deposition on salt chlorinator electrodes and heat exchange elements of gas and electric heaters.

It also has the ability to bind with dissolved metal, disperse solid materials such as scale, and inhibit scale from forming on the pool surface.

Features & Benefits

√ Prolongs the life of salt chlorinator electrodes and heater elements

√ Increases heat transfer by maintaining cleaner heater elements

√ Eliminates the need for harsh acids when removing scale

√ Lowers maintenance requirements - scale is simply hosed off

√ Effective over a wide range of pH and temperature conditions

√ Loosens and dissolves existing scale formations on pool walls and prevents reformation

√ Removes stains on pool surfaces caused by dirt, algae and metal corrosion

√ Helps clarify water that is discoloured or clouded by iron, manganese and calcium

Available Pack Sizes
1L

Recommended Dosage
Add 200mL per 10,000L of pool water to a bucket filled with water (never add water to chemicals) and distribute evenly around the pool perimeter.

Chemicals



AQUA~HEALTH SALT CELL CLEANER

Part Number	Product Description	Pack Size	Form
34795	Salt Cell Cleaner	5L	Liquid

This new formulation contains a blend of phosphoric acid and non-ionic surfactants. The strong acidic mixture is safe and re-usable. It does not contain hydrochloric acid that is highly corrosive, so that your equipment will have longer lifespan.

Features & Benefits

√ Removes calcium build-up from salt water chlorinator cells
√ Removes grimes and organic build-up from saltwater chlorinator cells
√ Does not affect metals on the cell
√ Reusable solution (at least 3-4 times)
√ Prolong the life of the salt chlorinator cell
√ Increases efficiency of the cell
√ Compatible with all chlorinator

Chemicals



AQUA~HEALTH NATURAL FILTER CLEANER

Part Number	Product Description	Pack Size	Form
34796	Natural Filter Cleaner	1L	Liquid

Aqua~Health Natural Filter Cleaner is a non-polluting water-soluble cleaner that is readily biodegradable. It is very effective in removing oils and fats by breaking them down and solubilising them, allowing the filter media to be easily cleaned by rinsing and backwashing.

Features & Benefits

√ Filter degreaser new formula is eco-friendly

√ Non toxic

√ Biodegradable product

√ Manufactured from a plant extract (100% natural ingredients)

√ It acts by solubilising fats and oils allowing the filter media to be easily rinsed and backwashed

√ Works in all filter media types, including sand, glass, Zelbrite, cartridge and DE Septums

√ Quick, simply and easy to use for the consumer or the service technician

√ Can be added directly to the skimmer whilst in the backwash mode, or for cartridge and DE filters mix in a bucket and soak for 30 minutes

AQUACLEAR

Part Number	Product Description	Pack Size	Form
W01474	Aquaclear	25kg	Granular

AquaClear is a specially formulated chemical that will improves filtration and clarify cloudy, milky and muddy water. It's the first choice when pool is noticeable cloudy. As heavy-duty flocculant, AquaClear combines with suspended solids causing them to 'drop out' of pool water so that they can be vacuumed up from the pool bottom.

Features & Benefits

√ To clear murky, muddy or cloudy water

√ Initial treatment to reduce heavy phosphate concentrations

√ A highly effective flocculant for use in heavy-medium soiled pools.

√ Coagulated particles will settle to the bottom of the pool so that they can be easily vacuumed out

√ Can be used in conjunction with other pool chemicals.

Perox pH Control





Perox pH Control is the ideal solution for people who want to keep their pool water balanced and crystal clear all season long.

This patented formula contains unique additives that make it easy to manage your pool's pH level, phosphate levels and water clarity, as well as reducing the likelihood of algae.

- Unique non-fuming formula
- Reduces phosphate levels
- Built-in water clarifier for the ultimate in water clarity
- Algae inhibitor reduces chlorine demand and the likelihood of a green pool
- Minimises corrosion in your pool plant room
- Requires no dilution for pH dosers and extends the life of chemical feed tubes

WATERCO

water, the liquid of life

www.waterco.com

Chemicals



POPPIT QUICK FIX

Part Number	Product Description	Pack Size	Carton Qty
348803	Poppit Quick Fix	1kg	6

Spa & Pool Oxidiser
Water supplied by water authorities generally contains chlorine in various amounts, which are often dependent upon the water table level and local conditions. There will always be a chlorine concentration as well as other organic and inorganic matter present in the water.

POPPITS brand - Quick Fix - chlorine free oxidiser is used to oxidise or "burn up" these contaminants and leave the water free from chlorine and ready to be balanced and then sanitised.

Poppit Quick Fix is recommended during the initial start-up of your new spa and also for weekly maintenance.

Features & Benefits:

- Chlorine free oxidiser
- Ideal for the regular cleaning and maintenance of spas as well as those in need of a quick clean up
- Oxidises organic material

Available Pack Size:
1kg Containers



POPPIT WATER BALANCE

Part Number	Product Description	Pack Size	Carton Qty
348320	Poppit Water Balance	1kg	6

Balances water, protects your equipment and enables bactericides to perform at maximum effectiveness. Poppit Water Balance raises pH and alkalinity of spa water.

It has been formulated to protect heat exchangers from the damaging effects of scale and corrosion.

Available Pack Size:
1kg containers



POPPIT SPA CAL HARDENER

Part Number	Product Description	Pack Size	Carton Qty
348314	Poppit Spa Cal Hardener	500g	12

Poppit Spa Cal Hardener will increase water hardness which prevents etching, pitting and corrosion of spa surfaces and metallic components.

Available Pack Size:
500g Containers



POPPIT PH REDUCER

Part Number	Product Description	Pack Size	Carton Qty
348316	Poppit pH Reducer	750g	12

Poppit pH Reducer is used to lower the pH level of the spa pool water to a desired level.

Available Pack Size:
750g Containers

Chemicals



POPPIT FILTER CARTRIDGE CLEANER

Part Number	Product Description	Pack Size	Carton Qty
348102	Poppit Filter Cartridge Cleaner	1kg	6

Poppit Filter Cartridge Cleaner cleans and degreases your filter cartridges by oxidising (burning up the fats) without harming the filter cartridge. Regular usage of Poppit Filter Cartridge Cleaner (every 1-2 weeks) will prevent cloudy, smelly spa water and prolong the life of the filter cartridge.

Features & Benefits:
- Suitable for most filter cartridges in Swimming pool & Spas
- Cleans body fats and dirt away without chlorine residue

Available Pack Size:
1kg Containers

Clean filter cartridge every 1-2 weeks, depending upon spa usage.



POPPIT SPA SANITISER

Part Number	Product Description	Pack Size	Carton Qty
348707	Spa Poppit Spa Sanitiser	15kg	1

Poppit Spa Sanitiser cleans and conditions the spa in one action. It uses hydrogen peroxide to oxidise the bacteria and organic materials in spa water, while at the same time prevents the build-up of organic slime on spa walls and seats.

The advantage of the Poppit Spa Sanitiser is that it does not contain chlorine or bromine making it ideal for asthmatics and people with sensitive skin.

In fact, there is no need to shower or bath after using your spa.

Features & Benefits:
- Endorsed by the National Asthma Council
- Gentle on the skin
- Free of chlorine, bromine and salts
- Cleans and conditions the spa in one action
- Creates an oxygen enriched environment
- Helps to keep your spa water clear and odour free
- Step 3 of the Poppit Spa Management Program

Recommended for Spa with water volume between 500 and 7,000 Litres.

Available Pack Size:
15L Containers

Healthy Alternative for a Sparkling Clean Chlorine Free Spa!

Chemicals



PEROX SERIES CHEMICALS

Part Number	Product Description	Pack Size
348362	Perox 395	25L
348272C	Perox Perfect	15L
348395	Perox pH Control	15L
348340	Perox Safe & Clear	500g

Water and oxygen; two elements we couldn't live without. Together they create one of the most powerful sanitisers on the planet. Perox (H202) is a formulated blend of hydrogen peroxide which is simply water with an extra oxygen molecule that has been developed to work in unison with the Hydroxypure system to ensure perfectly sanitised water at all times. Hydrogen Peroxide is formed in nature to control bacteria that grows all around us. For example, during a lightning storm, hydrogen peroxide is created to combine with rain and naturally cleanse the environment.

For many years, hydrogen peroxide has been widely used in health treatments, from mouthwashes to antiseptic cleaner and antiifungal treatments. In fact, health practitioners all over the world regard Hydrogen Peroxide Theraphy as one of the greatest. Water and oxygen are necessary elements for the existence of human life. Therefore it seems only natural to use hydrogen peroxide to keep your swimming pool and spa naturally clean

Perox Safe & Clear is a unique blend of salts that produce low levels of chlorine dioxide when used with a salt chlorinator. This incredibly effective sanitiser eliminates viruses, bacteria, biofilm and parasites. After it has done its job, it breaks down into salts ready to be reused..

Features & Benefits:

SENSITIVE CHOICE
Endorsed by the National Asthma Council of Australia

Sensitive to skin

Outstanding water clarity

No allergic reactions

No harmful chemical by-products

Extended life of pool surfaces and equipment

Water Tester & Reagent

WATERCO TEST KITS

Part Number	Product Description
31405	Waterco 2 in 1 test kit DPD - pH, Total or Free Chlorine
31410	Waterco 4 in 1 test kit DPD - pH, Alk, Chlor, Hard



Waterco 2 in 1 test kit DPD

Test kit measures pH and free chlorine levels in the water.



Waterco 4 in 1 test kit DPD

Test kit measures pH, total alkalinity, free chlorine and acid demand levels in the water.

TEST STRIPS

Part Number	Product Description	Pack Size	Carton Qty
348914	Poppits 4 Way Test Strips	50 strips	12
700070922	Lamotte Insta - Test® 6 Plus	50 strips	



Poppit 4-Way Test Strips

Strips measure hydrogen peroxide, pH, total alkalinity and calcium hardness levels in the water.



LaMotte Insta-TEST 6 Plus

Strips measure free chlorine, total chlorine, alkalinity, pH, total hardness and cyanuric acid levels in the water.

DO YOU HAVE YOUR POOL CHEMISTRY CHECKED?

Pool chemistry is a complex process as it involves recirculation of huge body of water, with constant addition of chemicals and accumulation of dirt load in the system. Trace elements can slowly build up and complicate the interaction between each chemicals; algae spores and biofilm might be staying dormant, waiting for a chance to take over the pool. Nevertheless, a pool shall be kept trouble-free should pool chemistry upkeep is good. Below is the common pool parameters limit adapted from Australia Standard AS3633, which may differ slightly across different countries.

- Culprit for the notorious bad "chlorine" smell.
- Can be reduced by chlorine shock, or by Ozonation.



pg127

- Manual pH adjustment using pool acid and soda ash/sodium bicarbonate.
- Auto pH adjustment to maintain pH at optimal point all the time.



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PARAMETERS	RANGE
pH	7.2 – 7.8
Free Chlorine	1.0 – 3.0 mg/L
Combined Chlorine	< 1.0 mg/L
Cyanuric Acid	< 50 mg/L
Total Alkalinity	80 – 120 mg/L
Calcium Hardness	150 – 300 mg/L
Phosphate	< 0.2 mg/L



- Commonly known as stabiliser.
- Functions to protect chlorine from breakdown by UV light.

- Food to algae, will turn water green quickly.

- Together with pH, alkalinity and calcium hardness affect corrosive / scaling potential of pool water.

- Calcium Hypochlorite: 60-70% available chlorine, solid form, can raise calcium hardness & pH.
- Sodium Hypochlorite: 10-12% available chlorine, liquid form, can raise pH.
- Dichlor & Trichlor: 70-90% available chlorine, solid form, contain cyanuric acid.
- Chlorine Gas: 100% available chlorine, pure gaseous form.



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For more info on pool chemicals, refer page 166 - 176.

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 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 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, within a 25 km (15 miles) radius of an authorised Waterco Service Agent.

The purchaser is responsible for any freight incurred.

This warranty is valid and enforceable only in the country where the Waterco product was purchased by the original purchaser, provided that Waterco has intended that the Product be offered for sale in that country. Depending on the country, particular and variable warranties may apply in relation to applicable legislation or term of sales by the original purchaser.

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 by the end user.

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 appropriate to the region 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.

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 (104 degrees Fahrenheit);

      Note: Pumps domestic & commercial should not exceed 35 degrees Celsius (95 degrees Fahrenheit), excluding Portapac and Delta Hot pumps.

   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 sanitising 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. (In areas outside of Australia please refer to the local health department recommendations before use);

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;

9. Electrical equipment has been adequately protected from salt air environments and from salt water; and

Warranty Terms & Conditions

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 authorised service dealer, unless otherwise authorised in writing by Waterco.

    If an authorised service dealer is not available within 25 km (15 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 authorised 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 (once a month) by your local pool professional. A record of testing should always be kept for reference.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so any such limitation may not apply.

This warranty gives specific legal rights. The purchaser may have other rights depending on the jurisdiction in which the Waterco product was purchased or the purchaser is located.

Warranty Terms & Conditions

SCHEDULE OF PARTS WARRANTY PERIODS

All products not listed in below table are covered by one year warranty, except pipes and consumables such as filter media, chemicals, o-ring etc.

Please note: Labour is covered by this warranty for a period of 12 months from the date of purchase or installation, within a 25km radius of an authorised Waterco Service Agent.

Product Range	Domestic Application	Commercial Application
FILTERS		
All Fibreglass Filter Tank & Exotuf	10 years	5+5 year
*Except		
• *W250/W300*	*5+5 years*	*2 year*
• *All other W & WD Series*	*5 years*	*2+3 years*
• *Multiport Valve, Internal Fittings, Gauges*	1 year	1 year
Thermoplastic (Model T)	5+5 years	1+4 years
Cartridge & Bag Filter Tank Body (TBF & TCF)	5+5 years	1 year
MultiCyclone	3 years	1 year
DE Filter	3+2 years	2 years
Aquabiome (ASM) Body	5 years	1 year
* *Aquabiome Blower*	*1 year*	*1 year*
Finsbury Undersink/Countertop (excluding filter cartridge)	3 years	3 years
**All Multiport Valve, Fittings & Gauges*	*1 year*	*1 year*
PUMPS		
Pump - Wet End	3 years	1 year
• *Except for Hydrostar MK4 and Hydrostar Plus*	*3 years*	*2 years*
Pump - Dry End	2 years	1 year
Fulflo Pressure Pump	2 years	1 year
Delta & Portapac Pump	2 years	1 year
HEATING		
Digiheat	2 years	1 year
Heat Pump/Chiller		
• *Compressor*	*3 years*	*1 year*
• *Titanium Heat Exchanger*	*10 years*	*1 year*
• *All other components*	*2 years*	*1 year*
Hot Water System		
• *HWS Heat Pump*	*2 years*	*2 years*
• *Calorifier Tank*	*3 years*	*3 years*
• *Calorifier Tank (FRP)*	*5 years*	*5 years*
• *Heating Element*	*1 year*	*1 year*
• *Booster Pump*	*1 year*	*1 year*
SolarMate Hot Water System		
• *Tanks & Panels*	*10 years*	*10 years*
• *Back-up Heaters, Thermostat, Valves*	*1 year*	*1 year*
Gas Heater	2 year	1 year

Warranty Terms & Conditions

Product Range	Domestic Application	Commercial Application
SANITATION		
Hydrochlor MK3/ST, Electrochlor MK3		
• *Power Pack*	*3 years*	*1 year*
• *Salt Cell*	*3 years*	*1 year*
UV Steriliser (Solclear)	1 year	1 year
Chemflo Plus	3 years	1 year
• *Sensor*	*1 year*	*1 year*
Oxiswim System	3 years	1 year
ROBOTIC CLEANERS		
Trident Eco & Hydro – Motor Unit, Cable, Power Supply	2 years	1 year
• *Other parts*	*1 year*	*1 year*
Trident Aqua	2 years	1 year
• *Filter Canister*	*1 year*	*1 year*
Robotic Cleaner - Trident Plus	3 years	1 year
Robotic Cleaner - Zodiac VX55	3 years	1 year
Robotic Cleaner - Blueline ProX2, 2 by 2	2 years	2 years
OTHERS		
Aquamaster	2 years	1 year
Underwater Light (Halogen)	2 years	1 year
Britestream LED Pool Light	2 years	2 years
Litestream LED Pool Light	1 year	1 year
Pool Accessories and Fittings	1 year	1 year
PRO Series Cleaning Accessories	2 years	1 year

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 25 km (15 miles) radius of an authorised 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.

The Waterco Limited Terms & Conditions of Sale is correct at the time of print. These terms & conditions can be updated at any time and are available to download from our Waterco Limited Website; www.waterco.com or by scanning the QR code.

Notes

Waterco Limited Established since 1981, Waterco is an Australian publicly listed company involved in the manufacture and distribution of swimming pool and spa equipment and chemicals, domestic water filters, softeners and purifiers, and commercial and industrial water treatment equipment.

Waterco's research and development team has created an innovative range of award-winning products. The company's advanced fibreglass winding and pioneering plastic moulding techniques have delivered premium quality products to over 40 countries via its branches operating in Australia, New Zealand, Malaysia, Indonesia, Singapore, China, Vietnam, USA, Canada, UK and the United Arab Emirates.

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