



SATURN & SUMMIT

RANGE OF POOL PUMPS AND FILTERS



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SATURN SERIES POOL PUMPS

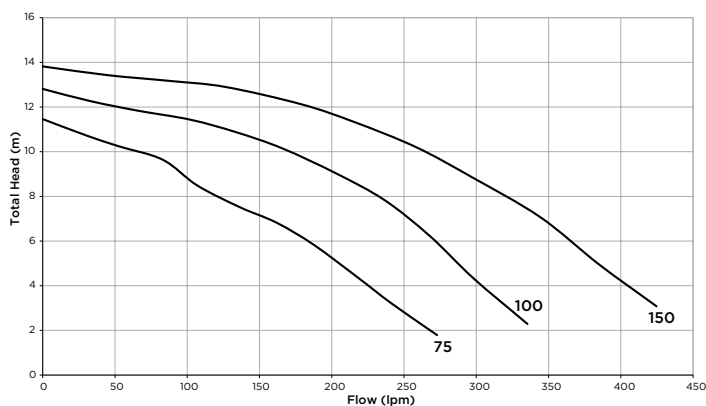
Aquatight Saturn

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

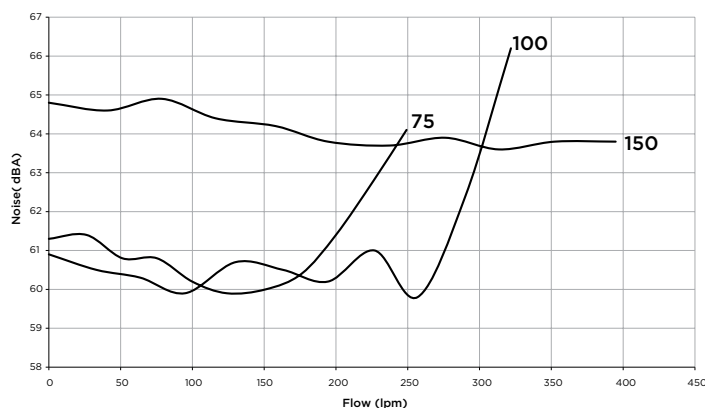


Pump	Inlet / outlet	Strainer basket size
Aquatight Saturn 75,100 & 150	40/50mm	1.5

Flow Curves



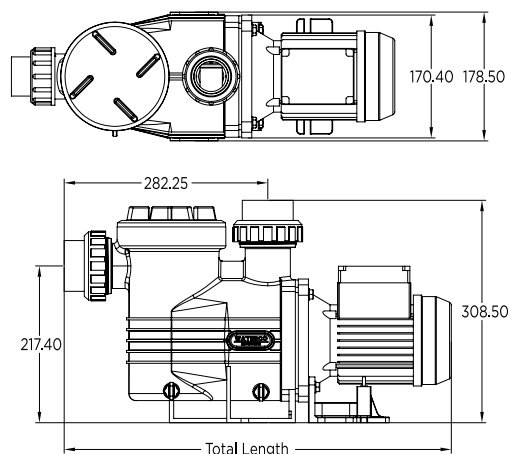
Noise Levels



Model	Flow Rate (lpm)		Nom. HP	kW	Amps	Total Length (mm)
	8m	10m				
Saturn AS075	119	63	0.75	0.626	2.82	575
Saturn AS100	234	169	1.00	0.793	3.50	575
Saturn AS150	320	263	1.50	1.056	4.76	596

Phase	Volts	Cycle	RPM
1	220-240	50	2810

Aquatight Saturn AS075, AS100 & AS150



Warranty

Pumps	5 years (conditional)*
Wet End	5 years
Motor, mechanical seal, hair & lint pot lid, o'ring, basket, impeller & diffuser	2 years
Commercial applications	1 year
Labour	1 year

Note: Aquatight Pumps are tested to Australian Standards AS/NZS3136.
*Please refer to Aquatight's warranty terms and conditions.

SATURN SERIES MEDIA FILTERS

Designed to cope with the cyclic pressures of the modern day swimming pool, Aquatight Saturn filter vessels are precision injection moulded for superior strength and dependability.

Aquatight Saturn filters are ideal for pools equipped with in floor cleaning systems and high powered pumps.

- Granular media filtration
- 40 or 50mm Multiport valve for ease of use
- Pressure rated at 250 kPa
- Corrosion and UV resistant



Superior Strength

Aquatight Saturn filters are considered one of the strongest filters within its class. Its filter vessel is precision injection moulded within minimal tolerances for enhanced structural strength.

Pressure rated at 250 kPa, Aquatight Saturn filters are ideal for pools equipped with in floor cleaning systems and high powered pumps.



40 or 50mm Multiport valve with ergonomic handle and quick connect barrel unions

Clear sight glass for backwash inspection

Pressure gauge to determine the filter's capacity

40 or 50mm Multiport valve clamp provides 360° orientation of the Multiport valve for simple installation and service

UV and corrosion resistant

Hydraulically balanced flow distribution, to maximise filtration and backwashing

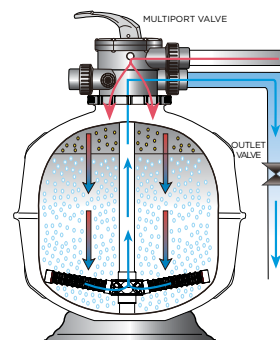
Large filter base for stable floor mounting

Maximum working temperature of 50°C

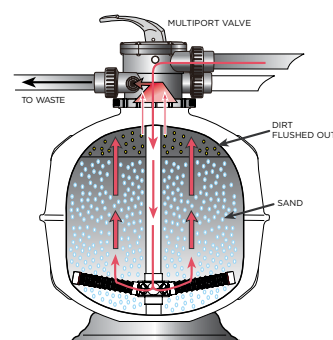
Ease of Maintenance

Cleansing the filter simply requires turning the filter's multiport lever from the "filter" position to the "backwash" position, which reverses the flow of water in the filter, flushing the filter bed.

Filter Mode



Backwash Mode



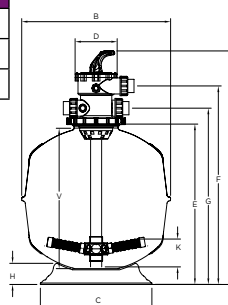
Technical Specification

Model No.	Valve Size (mm)	Inner Dia. (mm)	Filter Area (sq.m²)	Bed Depth (mm)	Max. Flow* (lpm)	Max. Pool Size (litres)	Min. Backwash (lpm)	Media Volume (litres)	Glass Pearl (kg)	Crushed Glass 0.5-1mm (kg)	Sand 16/30 (kg)	Zeolite 1 - 2.2 (kg)
S500	40	500	0.20	250	157	56,500	131	62	100	74	90	75
S600	40	600	0.28	250	226	81,000	189	89	144	107	130	107
S700	50	700	0.38	430	308	111,000	257	185	299	222	270	222

Dimension (mm)

Model	Valve Size	A	B	C	D	E	F	G	H	V	K
S500	40	905	550	484	182	618	762	671	88	522	108
S600	40	942	650	484	182	655	799	708	88	560	115
S700	50	1226	755	620	220	902	1080	980	90	805	145

Residential flow rate based on a velocity of 48m³/hr/m². Max. pool size is based on a 6hr turnover.



SATURN SERIES

CARTRIDGE FILTERS

Saturn Series cartridge filters are compact, economical filters designed to effectively filter out suspended solids from your pool.

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



Rugged Construction

Constructed from high impact polypropylene and designed for easy maintenance, Saturn Series cartridge filters will give years of trouble free service.



Saturn Series Pleated Filter Cartridge

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

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

Operating Temperature: 4°C to 50°C

Maximum Pressure Drop: 20 kPa

Simple Maintenance

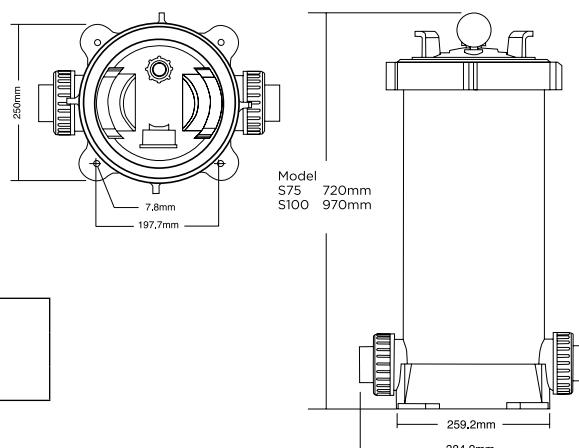
The filter cartridge is easily cleaned by hosing the pleats with a standard garden hose.



Technical Specifications

Product Description	Filter Area		Max. Flow Rate		Working Pressure		Pool Size		Overall Weight
	(m ²)	(ft ²)	lpm	m ³ /hr	kPa	psi	litres	m ³	(kg)
Saturn S75	6.9	75	280	16.8	350	50	100,800	100.8	10.5
Saturn S100	9.3	100	380	22.8	350	50	136,800	136.8	14.0

Dimension



Warranty

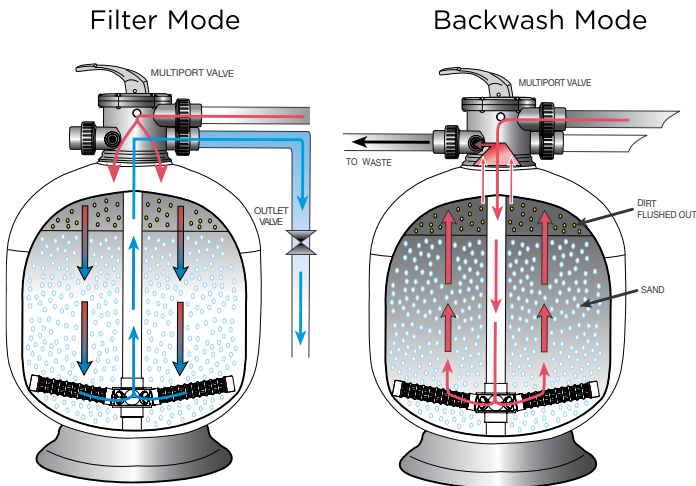
Saturn Filter (Tank)	5 Years (5 Years Full + 5 Years Pro Rata)
Other Components	1 Year
Labour	1 Year

Please refer to Aquatight's warranty terms and conditions

SUMMIT FIBREGLASS FILTERS

Micron filters operate on the basis of “depth filtration”; dirt is driven through the filter bed and trapped in minute spaces between the particles of filter media allowing the cleansed water to pass through the filter’s laterals and exit via the filter’s Multiport valve.

Top Mount Configuration



Simple Maintenance

The effectiveness and efficiency of the filter is impaired by excessive build up of debris, clogging the media, which will result in pressure build up and poor circulation. Cleaning the filter simply requires turning the filter’s Multiport lever from the “filter” position to the “backwash” position, which reverses the flow of water in the filter, flushing the filter bed.

Aquatight Summit Multiport Valves

Constructed from heavy duty ABS, Aquatight Summit Multiport valves are designed for maximum performance and working pressures. Aquatight Summit Multiport valves are engineered to withstand a working pressure of up to 400 kPa (58 psi) with a test pressure of 600 kPa (87 psi).

1. Metric or imperial quick connect unions.
2. Glass filled thermoplastic.
3. Durable lever action handle.
4. 6 way multiple valve positions.
5. High grade stainless steel components.
6. Pressure gauge.
7. Wear resistant rotor.
8. Clear sight glass for backwash inspection.



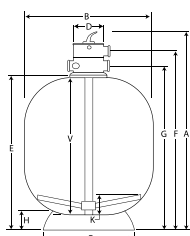
Technical Specification

Filter Model	Valve Size (mm)	Inner Diameter (mm)	Filter Area (m²)	Bed Depth (mm)	Max. Flow (lpm)	Max. Pool Size** (litres)	Backwash flowrate (lpm)	Media Volume (litre)	Glass Pearl Media (kg)	Crushed Glass 0.5 - 1.0mm (kg)	Sand 16/30 (kg)	Zeoplus 1 - 2.2 (kg)
D800	50	800	0.50	420	402	145,000	335	233	376	280	340	279
D900	50	900	0.64	420	509	183,000	424	322	520	520	386	386

Residential flow rate based on a velocity of 48m³/hr/m². Max. pool size is based on a 6 hr turnover.

Dimension (mm)

Model	A	B	C	D	E	F	G	H	V	K
D800	1157	810	620	220	807	977	877	90	713	111
D900	1234	910	620	220	884	1054	954	90	785	163



Filament Wound Filters

Micron fibreglass filters embody the latest in fibreglass winding technology. Aquatight Summit fibreglass vessels consist of an inner shell of fibreglass reinforced polyester resin wound over with fibreglass filament. The manufacturing 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.



Warranty

Micron Filters	10 Years (conditional)
Filter Tank	10 Years
Multi Port Valve & Other components	1 Year
Labour	1 Year
Commercial Installations	5 Years (conditional)
Filter Tank	5 Years (1 year full + 4 years pro rata)
Multi Port Valve & Other components	1 Year

Please refer to Aquatights's warranty terms and conditions

SUMMIT SERIES

CARTRIDGE FILTERS

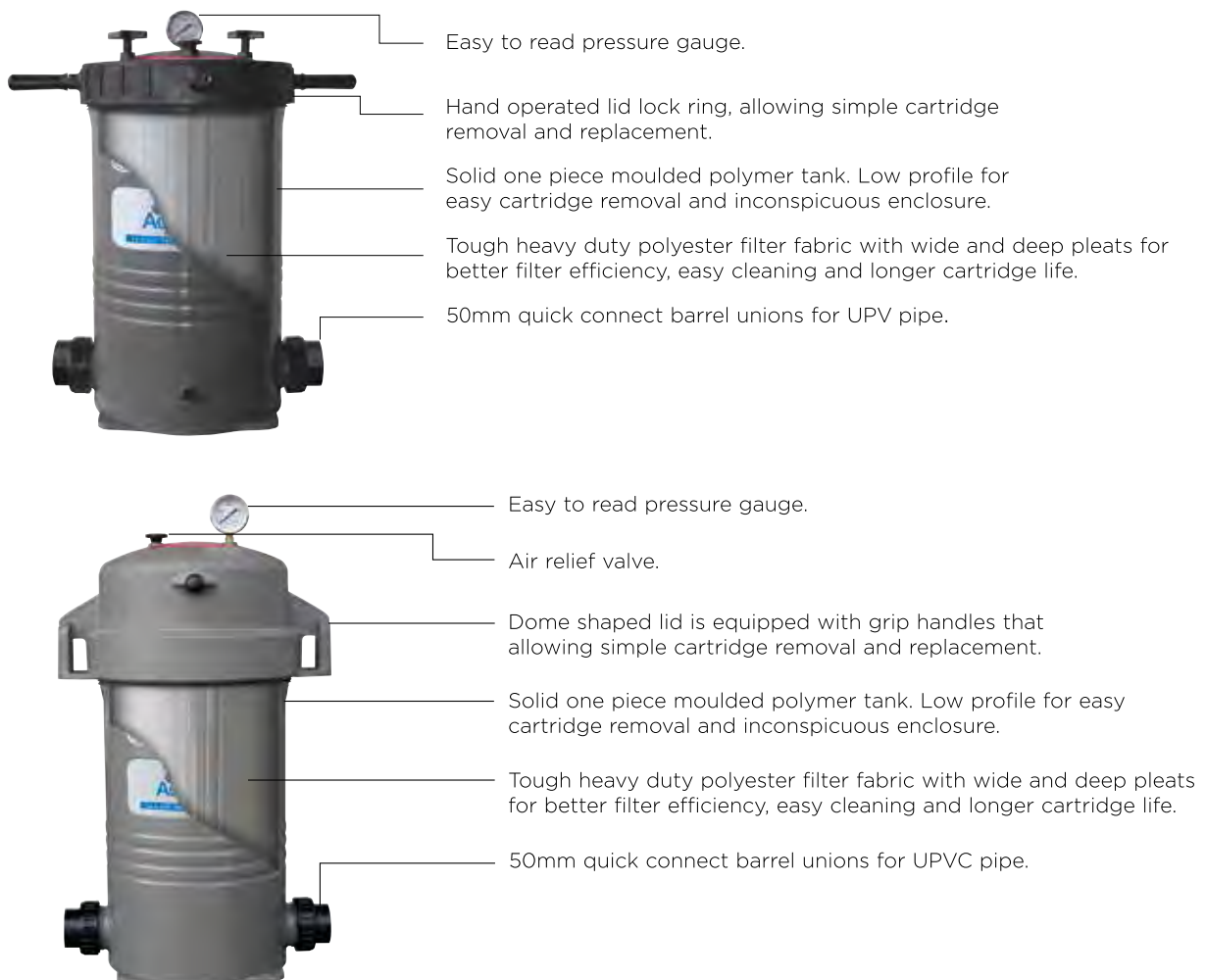
Summit Series cartridge filters are designed to house an extra large filter cartridge, maximising its dirt holding capacity and minimising filter maintenance.

The D225 & 270 filter's dome lid is equipped with grip handles that allows easy access to the filter cartridge for removal, cleaning and installation in a matter of minutes.

The Summit Series cartridge filters are ideal for applications where back washing may not be practical or areas where water may be scarce.

Rugged Construction

Constructed from high impact polypropylene and designed for easy maintenance. Aquatight Summit cartridge filters will provide years of trouble free service.



SUMMIT SERIES

CARTRIDGE FILTERS

Extra Large Filter Cartridge

Aquatight Summit filter cartridges are fabricated from pleated reusable polyester fabric. The extra larger size cartridge has been pleated to provide 180ft² (16.7m²) 225ft² (20.9m²) & 270ft² (25.1m²) of surface area maximising its dirt holding capacity and minimising filter maintenance.

Material: Polyester fabric material, plastisol end caps and a polypropylene core.

Operating Temperature: 4°C to 50°C **Maximum Pressure Drop:** 20 kPa



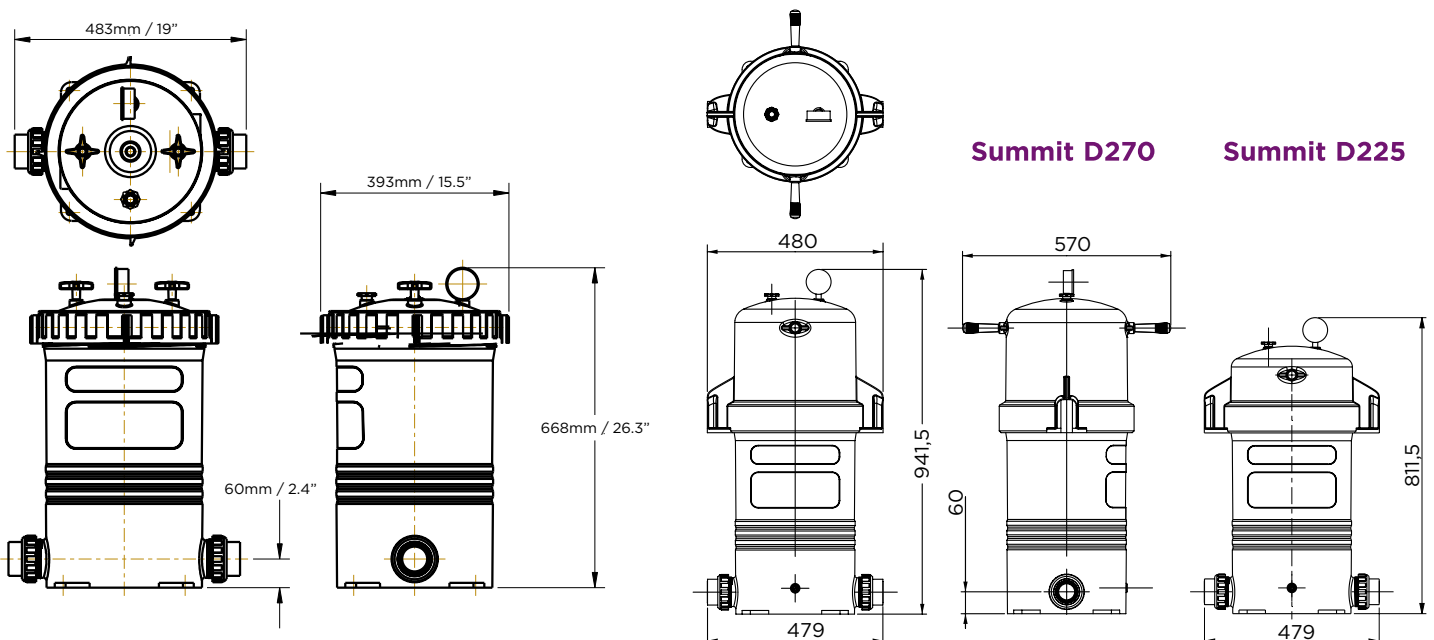
Simple Maintenance

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

Technical Specifications

Model	Filter Area		Max Flow Rate	Working Pressure		Max Pool Size
	(m ²)	(ft ²)	lpm	kPa	psi	litres
Summit 180	16.7	180	510	250	50	183,600
Summit D225	20.9	225	510	250	50	183,600
Summit D270	25.1	270	510	250	50	183,600

Dimensions



Summit D270

Summit D225

* Minimum Clearance Height to Remove Cartridge (mm)

Warranty

Summit Filter (Tank)	5 Years (5 Years Full + 5 Years Pro Rata)
Other Components	1 Year
Labour	1 Year

Please refer to Aquatight's warranty terms and conditions

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