



Sand Filter

Manufactured in Australia, the Onga[®] Pantera sand filter is made from UV stabilised high-density polyethylene.

Incorporating the proven Sta-Rite multiport valve and under-drain lateral system, these filters are ideal for small to large domestic swimming pools and aquaculture.

The reputation for durability and performance makes the Pantera range first choice for quality pool builders.



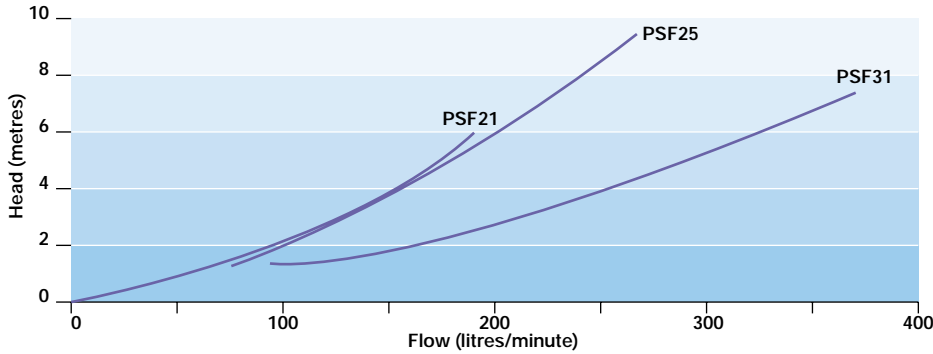
Pantera Sand Filter
Model P21/P25

Features	Benefits
Seamless filter body	This one piece roto-moulded design is the benchmark for stability, strength and durability. Black by design, not by choice, incorporating increased strength from naturally UV stabilised material.
Under-drain laterals	Designed to give you maximum performance, the water filters down through the entire bed of sand to give superior filtration for sparkling clear water.
Stainless steel filter clamp	Stainless steel provides high quality, strength and corrosion resistance.
Durable seals and gaskets	Ultra low maintenance requirements, coupled with the smooth operation of the multiport valve when rotating through its functions, gives you "as new" operation for years to come.
6 position multiport valve	Total flexibility of operation including rinse cycle, ensuring clear filtration and a waste cycle to allow easy disposal of excess dirty water.
Barrel union pipe connection	Quick and easy connection and removal of pipe work.
Large in-line sight glass	Easily identifies the completion of the backwash cycle limiting the amount of water wastage.
Quality pressure gauge	Glycerine filled for longer gauge life.
Compatible with sand or Zelbrite	Zelbrite is an advanced filter media capable of filtering finer than sand for clearer, sparkling pool water.



Pantera Sand Filter

Filter Head Loss Curve



Disclaimers Every endeavour has been made to publish the correct details in this leaflet. No responsibility will be taken for errors, omissions or changes in product specifications. All performance data taken at sea level.

Operating Conditions

Fluid:	Water
Maximum working pressure:	280 kPa*
Water temperature range:	5°C – 38°C
Ambient temperature:	55°C maximum

*Cycle tested to greater than 45,000 cycles
Note: Not suitable for in-floor cleaning systems.

Multiport Valve

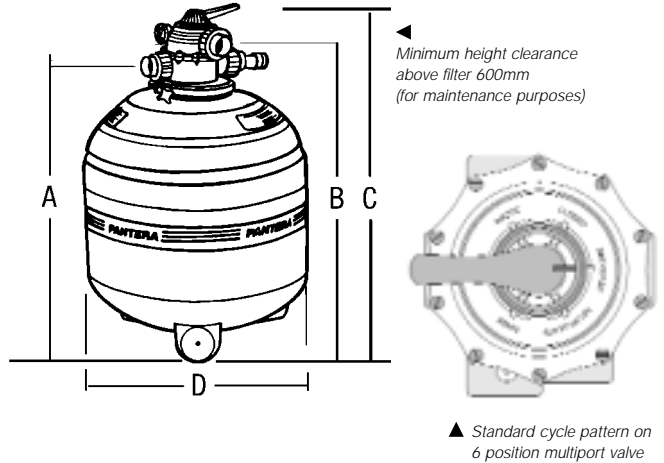
Component	Material
Type:	6 port
Body:	ABS
Handle:	ABS
Dowel pin:	304 stainless steel
Rotor:	Glass filled polypropylene
O-rings:	Nitrile
Sight glass:	Polycarbonate
Spider gasket:	Sandoprene
Spring:	304 stainless steel
Washers:	304 stainless steel
Barrel unions:	ABS

Note: Some PVC jointing compounds are incompatible with ABS possibly causing failure to the product.

Filter

Component	Material
Filter body:	High density polyethylene
Lateral:	ABS
Hub:	ABS
Centre stem:	UPVC
Tank clamp:	304 stainless steel
Pressure gauge: Type	50mm diameter glycerine filled
	bottom mount
Thread	1/4" BSPT male
Range	0 – 270 kPa

Line Drawings



Dimension Table

Filter/Valve Model	A Return (mm)	A Waste (mm)	B Pump (mm)	C Height (mm)	D Width (mm)
P21	724	724	729	870	530
P25	814	814	819	960	625
P31	916	916	999	1110	833
1.5" MPV	-	-	-	223	295
2" MPV	-	-	-	250	230

Connection Type	Dimensions P21, P25	P31
Pump connection:	40mm slip PVC	50mm slip PVC
Return connection:	40mm slip PVC	50mm slip PVC
Waste connection:	40mm BSP male	50mm slip PVC

Note: Unless specified otherwise, all dimensions in mm.

Filter Data

Filter Model	Max Flow Rate (lpm)	Min* Flow Rate (lpm)	Sand Amount (kg)	Sand Grade	Zelbrite Amount (kg)	Filter Area (m ²)	Multiport Valve	Number of Laterals	Net Weight (kg)	Net Weight (kg)	Carton Dimensions L x W x H (mm)
P21	171	125	90	16/30	70	.204	1.5"	8	14	16	551 x 551 x 636
P25	243	173	140	16/30	105	.283	1.5"	8	20	22	636 x 636 x 725
P31	411	301	220	16/30	165	.493	2"	16 (Y type)	38	43	866 x 866 x 876
1.5" MPV	-	-	-	-	-	-	-	-	3	3.5	220 x 220 x 330
2" MPV	-	-	-	-	-	-	-	-	3	3.5	245 x 245 x 335

*Minimum flow rate required for sufficient backwash of filters

Domestic flow rate based on filtration rate of 50m³/hr/m² of filter area. Commercial applications require a filtration rate between 15m³/hr/m² and 30m³/hr/m².

For commercial applications, please contact the Onga Commercial Pool Division who are able to assist with specific applications.

Please contact the Onga Commercial Pool Division on (07) 3266 5694 or via email: commpools@onga.com.au to specify pricing and availability on the following items or for assistance with any commercial enquiry:

- Lane ropes
- Floor inlets
- Hair and lint pots
- Ladders
- Inlet eyeballs
- Cyclone separators
- Diving boards
- Main drain
- Water test kits
- Wet deck
- Skimmer
- Chemical dosing pumps



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