



# Pantera Series II Sand Filter

Manufactured in Australia, the Pantera sand filter is made from UV stabilised 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.

#### Typical Applications

- In Ground Pools from 30000 to 160000 litres
- Large Above Ground Pools
- Swim Spas
- Larger Spas



#### 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.

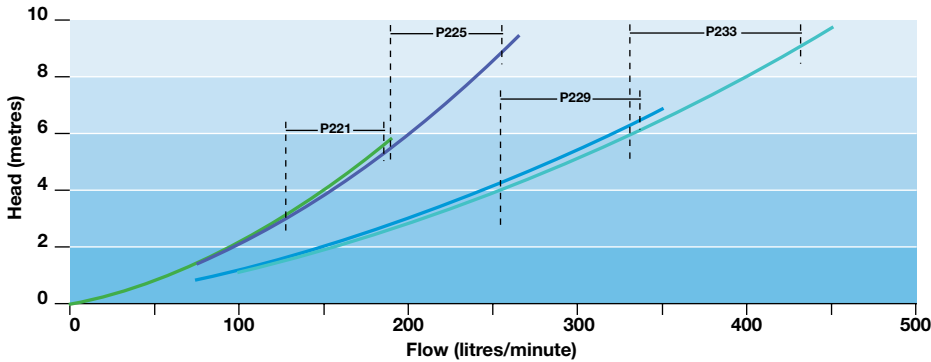
#### Compatible with sand or Zelbrite

Zelbrite is an advanced filter media capable of filtering finer than sand for clearer, sparkling pool water.



# Pantera Series II Sand Filter

## Filter Head Loss Curve



## Operating Conditions

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

\*Cycle tested to greater than 45,000 cycles

Note: Not suitable for in-floor cleaning systems.

## Multiport Valve

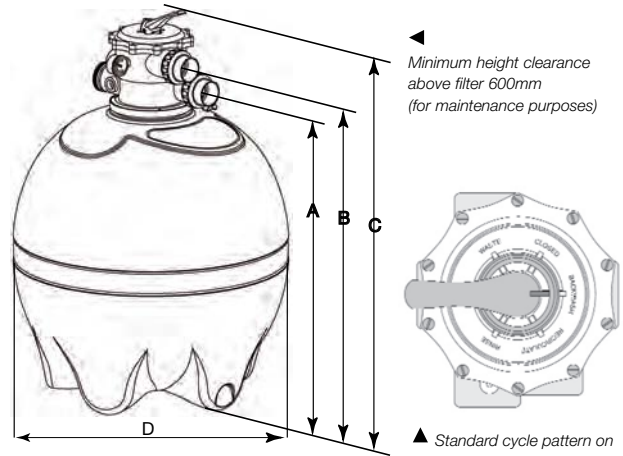
Component	Material
<b>Type:</b>	6 port
<b>Body:</b>	ABS
<b>Handle:</b>	ABS
<b>Dowel pin:</b>	304 stainless steel
<b>Rotor:</b>	Glass filled polypropylene
<b>O-rings:</b>	Nitrile
<b>Sight glass:</b>	Polycarbonate
<b>Spider gasket:</b>	Santoprene
<b>Spring:</b>	304 stainless steel
<b>Washers:</b>	304 stainless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

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

## Filter

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

## Line Drawings



## Dimension Table

Filter	Valve Model	A Return Waste	B Pump	C Overall Height	D Diameter	D Service Height
P21	SR14965-A003	685	755	840	535	1440
P25	SR14965-A003	805	875	960	635	1560
P29	SR14971-TM-22-L	858	940	1090	735	1690
P33	SR14971-TM-22-L	938	1020	1170	835	1770

Note: All dimensions in mm.

Connection Type	Dimensions P21, P25	P29, P33
<b>Pump connection:</b>	40mm slip PVC	50mm slip PVC
<b>Return connection:</b>	40mm slip PVC	50mm slip PVC
<b>Waste connection:</b>	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 QTY (kg)	Sand Grade	Zelbrite Amount (kg)	Filter Area (m²)	Multiport Valve (mm - ports)	Max Pressure (kPa)
P21	165	125	90	16/30	70	0.205	40	280
P25	235	175	140	16/30	105	0.293	40	280
P29	320	240	185	16/30	140	0.397	50	280
P33	415	310	220	16/30	165	0.517	50	280

\*Minimum flow rate required for sufficient backwash of filters



## Rainbow Pool Products

PO Box 2388, Mansfield Qld 4122

Telephone STD 61-7-3849 5385

Facsimile STD 61-7-3849 5384

Email: [info@rainbowpoolproducts.com.au](mailto:info@rainbowpoolproducts.com.au)

Web: [www.rainbowpoolproducts.com.au](http://www.rainbowpoolproducts.com.au)