

# **HYDRON**

## **SPLIT-TANK FILTERS**



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

## Lightweight and Durable

Fibreglass pressure tanks have a number of major advantages over steel tanks including:

- **Durability:** Fibreglass vessels have a mechanical and chemical resistance superior to steel, plus fibreglass does not rust or corrode and is able to withstand damage from many types of water treatment chemicals.
- **Lightweight:** Fibreglass tanks weigh only one third that of steel vessels, whilst maintaining the same level of strength. This makes them easy to ship and install.
- **Easy to Maintain:** Once installed they are virtually free of maintenance or repairs. This compares with steel vessels, which require the anti-corrosive coating to be maintained periodically, with certified welders required to make repairs to the lining with epoxy coating.

## Ideal for Retrofitting

They can be delivered in two parts and assembled on site in the plant room. The two halves seal perfectly, using double o'ring and held together by a flange using bolt and nuts. The filter is specifically designed to fit through existing standard size plant room doors.



## “Fish Bones” Laterals

Hydron Split-Tank Filters features Waterco’s “fish bones” lateral, which improves water flow distribution through the filter bed. Conventional laterals are not suitable for larger size commercial filters. Dead legs’ exist between the laterals, and the water flow is not optimised through the filter bed. Conversely, Waterco’s ‘fish bones’ lateral configuration eliminates any dead legs.



Conventional filter lateral system



Fish Bone lateral system

## Flexible Configuration

The split tanks offer the same flexibility of Waterco's Commercial Filters; they are available with optional configurations of sight glasses and lateral manholes.

## Unique Tank Port Connections

As a result of Waterco's proprietary boring method to enable tanks penetration and the flanged ring assembly, the inlet and outlet port are perfectly parallel to each other, therefore maintaining the external plumbing integrity.

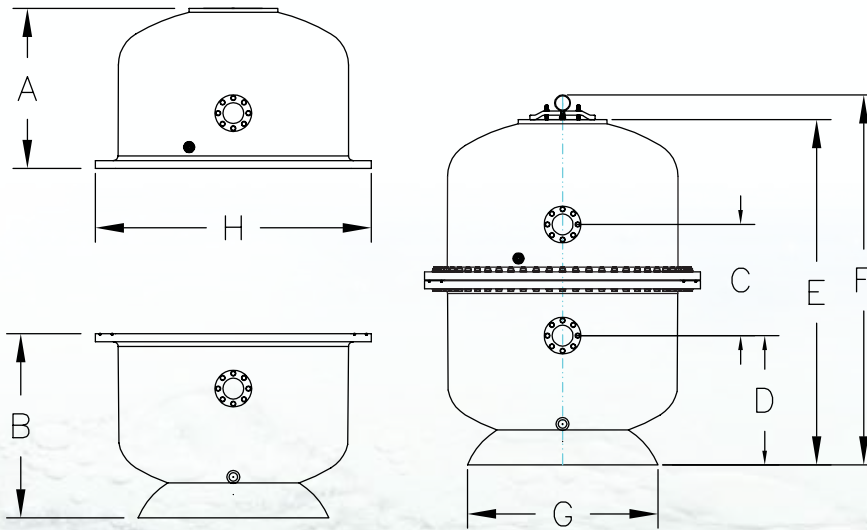


## Technical Specifications

Model No:	Valve Size	Bed Depth		Inner Diameter		Filter Area		Filtration Flow Rates		Backwash Flow Rates	
								30m <sup>3</sup> /hr/m <sup>2</sup>	36m <sup>3</sup> /hr/m <sup>2</sup>	40m <sup>3</sup> /hr/m <sup>2</sup>	50m <sup>3</sup> /hr/m <sup>2</sup>
		in	mm	in	mm	m <sup>2</sup>	feet <sup>2</sup>	m <sup>3</sup> /hr		m <sup>3</sup> /hr	
SMDDT 1200	3	1200	39.4	1200	47.3	1.13	12.18	34	41	45	57
SMDDT 1400	4	1200	39.4	1400	55.2	1.54	16.58	46	55	62	77
SMDDT 1600	4	1200	39.4	1600	63.0	2.01	21.66	60	72	80	101
SMDDT 1800	6	1200	39.4	1800	70.9	2.54	27.41	76	92	102	127

## Dimensions (mm)

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



\* Please refer to Waterco's warranty terms and conditions.



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

- Swimming pool/spa equipment and chemicals
- Domestic water filters, softeners and purifiers
- Commercial and Industrial water treatment equipment.

Waterco's research & 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, China, the United Kingdom, United States of America, Canada, Indonesia and Singapore.



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