



Hydron Commercial Split Tank Filters

Hydron Commercial Split Tank Filters

Produced using the latest in gel coated fibreglass technology, Hydron tanks are designed for commercial swimming pools and water treatment facilities.

Ideal for retrofitting.

An innovative feature of the Hydron tank is the manufacturing process. Tanks are produced in two separate halves that can be delivered to site and carried through the doors of a plant room. Once there, the two halves are assembled and clamped together with stainless steel bolts with a double o-ring sandwiched between them to make a watertight seal.

Hydron tanks are used in many locations where there is a limited access and where a traditional, pre-assembled tank cannot be installed.

Lightweight and durable.

Fibreglass pressure tanks manufactured from gel coated fibreglass have a number of major advantages over steel tanks including:

- **Durability**

Fibreglass has a mechanical and chemical resistance superior to steel, plus it does not rust or corrode and is able to withstand damage from many types of water treatment chemicals.

- **Lightweight**

Weighing just a third of a stainless steel vessel, fibreglass tanks are just as strong but much easier to handle and install.

- **Easy to Maintain**

Once installed, a fibreglass tank is virtually maintenance free whereas a steel vessel will require periodic maintenance with an anti-corrosive coating and require the use of skilled labour to make repairs to the lining with an epoxy coating.

"Fish bones" laterals.

Traditionally, larger commercial filters tend to have 'dead legs' between the laterals resulting in poor flow through the filter bed. Waterco have developed a new 'fish bones' lateral configuration for the Hydron Split-Tank filters which overcomes these dead legs and optimises the flow of water for improved filtration.

Flexible configuration.

Hydron split tanks offer the same flexibility as all other Waterco commercial filters and are available with optional configurations including sight glasses and lateral manholes.

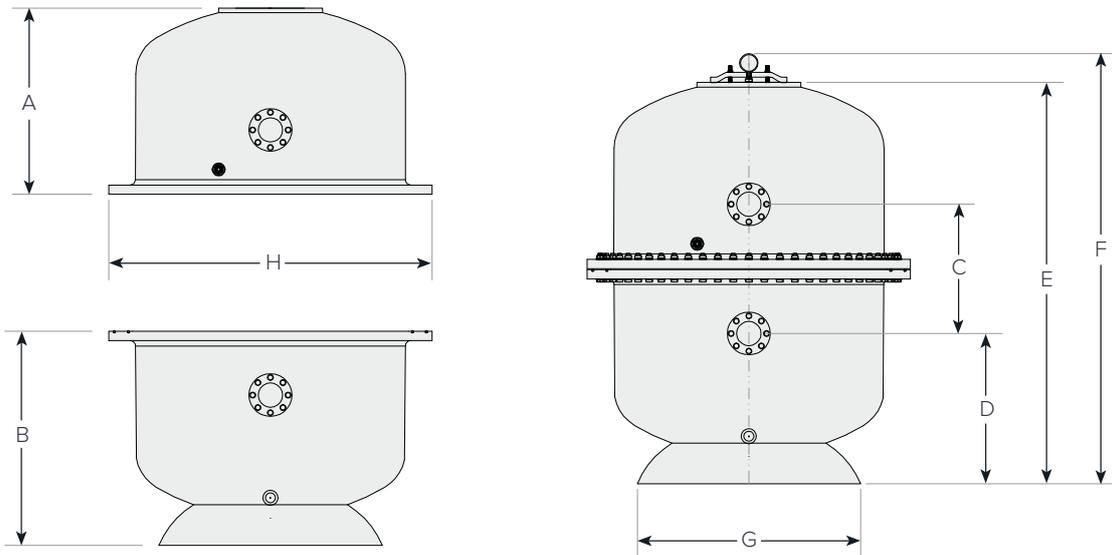
Unique tank port connections.

Waterco have developed exclusive boring and production methods to ensure a 100% match of the separate tank flanges and the accuracy of inlet and outlet port which are always parallel to each other.

Technical Specifications:

Model	Valve size	Bed depth		Inner diameter		Filter area		Filtration flow rates:	Backwash flow rates:	
		1000 mm	39.4"	1200 mm	47.3"	1.13 m ²	12.18 ft ²	30 m ³ /hr/m ²	40 m ³ /hr/m ²	50 m ³ /hr/m ²
SMDT 1200	3"	1000 mm	39.4"	1200 mm	47.3"	1.13 m ²	12.18 ft ²	34 m ³ /hr	45 m ³ /hr	57 m ³ /hr
SMDT 1400	4"	1000 mm	39.4"	1400 mm	55.2"	1.54 m ²	16.58 ft ²	46 m ³ /hr	62 m ³ /hr	77 m ³ /hr
SMDT 1600	4"	1000 mm	39.4"	1600 mm	63.0"	2.01 m ²	21.66 ft ²	60 m ³ /hr	80 m ³ /hr	101 m ³ /hr
SMDT 1800	6"	1000 mm	39.4"	1800 mm	70.9"	2.54 m ²	27.41 ft ²	76 m ³ /hr	102 m ³ /hr	127 m ³ /hr

Dimensions:



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

