

Single-Round High Flow Cartridge Filter Housings

FACT SHEET

Fiberglass Reinforced Plastic (FRP)

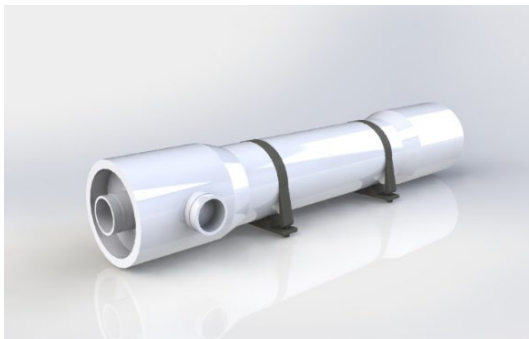


Figure 1: Single-Round High Flow Cartridge Filter Housings

Cartridge Filter Housings

Veolia fiberglass reinforced plastic (FRP) single round high flow filter housings (figure 1) offer a cost effective, easy to use cartridge filter housing solution. These housings will meet the demands of a variety of applications, including seawater reverse osmosis (SWRO) and brackish water reverse osmosis (BWRO) prefiltration, as well as other pure water and industrial applications that require corrosion resistance.

General Properties

Table 1: Features and Benefits

Corrosion Resistance	FRP construction is proven in demanding environments such as SWRO and BWRO. Integral FRP side ports.
User friendly operation	Endcap is easy to remove and install, meaning less time is required for filter changeouts. The option of a horizontal

	configuration reduces ergonomic concerns.
Industry standard design	Industry standard FRP housing technical design principles are followed. This allows end users to easily incorporate into existing prefiltration designs.

Table 2: Specifications

Design/Operating Pressure	100 psig (6.9 bar) at 150°F (65°C)
Housing Material	FRP
Filter Cartridge Length	40-inch (102cm) or 60-inch (152cm) models
Side Port Inlet Connections	40-inch model: 3inch (7.6cm) Victaulic 60-inch model: 4inch (10.2cm) Victaulic
End Plate Outlet Connections	40-inch model: 3inch (7.6cm) Victaulic 60-inch model: 3inch (7.6cm) Victaulic
Vent Port	1/2-inch (1.3 cm) FNPT
Drain Port	1/2-inch (1.3 cm) FNPT
Cartridge	High Flow ROSave.Z or High Flow Z Depth Filter Cartridge
Housing Handle	Ergonomic handle integral with end cap.
Configuration	Horizontal or Vertical

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Figure 3: High Flow Depth Filter Cartridge

Table 3: Ordering Information – Sample: HFRP1-40

High Flow Filter Housing	Number of Cartridges per Housing	Cartridge Length	Code Stamp
HFRP	1		
		40-inch	-
		60-inch	ASTM

Table 4: Compatible High Flow Cartridge Filters

Type	Length Inches (cm)	Micron Rating (µm)	Max Pressure Drop	Max Temperature
HF.RO.Zs	40 (101.6)	1, 5 nominal	35 psid (2.4 bar)	140°F (60°C)
HF.Zs	40 (101.6)	1, 5 nominal	50 psid (3.4 bar)	160°F (71°C)
HF.Zs	40 (101.6)	15, 25, 40, 70 absolute	50 psid (3.4 bar)	160°F (71°C)
HF.Zs	60 (154.2)	1, 5 nominal	50 psid (3.4 bar)	160°F (71°C)
HF.Zs	60 (154.2)	15, 25, 40, 70 absolute	50 psid (3.4 bar)	160°F (71°C)



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