

# Single-Round High Flow Cartridge Filter Housings

## FACT SHEET

### Fiberglass Reinforced Plastic (FRP)

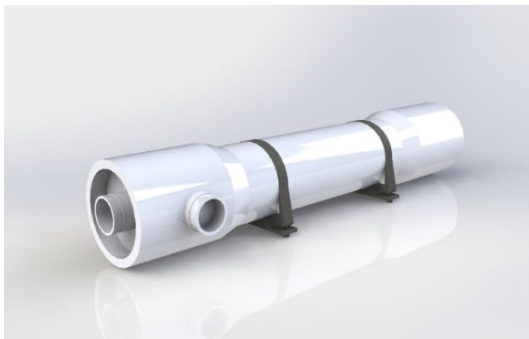


Figure 1: Single-Round High Flow Cartridge Filter Housings

### 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

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

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

Table 2: Specifications

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