

# Single-Round High Flow Cartridge Filter Housings

## FACT SHEET

### Stainless Steel



Figure 1: Single-Round High Flow Cartridge Filter Housings<sup>1</sup>

<sup>1</sup> Shown with optional clamp on stand and pressure gauges.

### Cartridge Filter Housings

Veolia stainless steel single round high flow filter housings (figure 1) combine superior versatility with maximum value to meet the demands of a variety of applications. The V-band closure design simplifies cartridge filter replacement.

### General Properties

Table 1: Features and Benefits

<b>Stainless Steel Construction</b>	Proven corrosion resistance and strength. Operating pressure to 150 psig (10.3 bar) at 200° F (93° C).
<b>Side Inlet and Bottom Outlet</b>	Side inlet is located below the level of the filter, providing non-impinging flow. The bottom outlet allows the housing to be drained completely and reduces the installation space required.
<b>O-Ring Seal Cup</b>	Provide positive O-Ring seal
<b>Hold-Down Plate</b>	Ensures cartridge remains seated during pressure fluctuations and back pressures
<b>V-Clamp Closure</b>	Quick and easy cartridge filter replacement reduces labor costs and downtime.
<b>Clamp-On Stainless Steel Stand</b>	A floor mounting stand allows adjustment of the housing height and the level of the inlet and outlet. Height can be adjusted so that the outlet is lower than floor level.
<b>Tungsten Inert Gas (TIG) Welding</b>	All TIG welding is done at Veolia factories for the highest quality control.

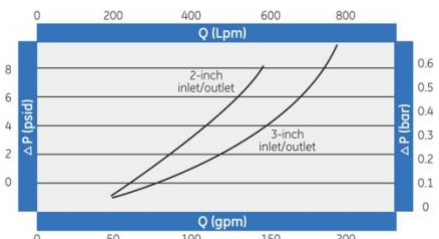


Figure 2: Pressure Drop vs. Flow Rate (empty housing)

## Single-Round High Flow Cartridge Filter Housings

**Table 2: Specifications**

<b>Liquid Pressure Rating</b>	150 psig @ 200° F (10.3 bar @ 93° C)
<b>Housing Material</b>	316 Stainless Steel
<b>Inlet/Outlet Connections</b>	2-inch (5.1 cm) MNPT standard [3" (7.62 cm) optional]; Victaulic and flanges optional
<b>Pre- and Post-Filter Gauge Ports</b>	1/4-inch (0.6 cm) FNPT ports for inlet and outlet pressure gauges
<b>Upstream Vent Port</b>	1/4-inch (0.6 cm) FNPT
<b>Drain Port</b>	1/2-inch (1.3 cm) MNPT
<b>O-Ring Material</b>	Buna-N Standard; EPDM, Viton <sup>2</sup> and Teflon <sup>2</sup> encapsulated Viton optional
<b>Cartridge</b>	40 inch High Flow Z or High Flow RO.Z
<b>Finish</b>	Satin Finish
<b>Handles</b>	Handles included on housing domes

<sup>2</sup> Viton and Teflon (trademarks of DuPont)



**Figure 3: High Flow Z Depth Filter Cartridge**

**Table 3: Housing Specifications**

Model	Flow Capacity <sup>3</sup> gpm (Lpm)	Weight lb (kg)	"A" Length <sup>3</sup> inch (cm)	"C" Overall height required for cartridge removal <sup>4</sup> Inch (cm)
HXHF01____-316-A	<150 (568)	64 (29)	40 (102)	54 (137)

<sup>3</sup> Flow rate is dependent upon cartridge filter selection, fluid properties, and maximum acceptable pressure drop.

<sup>4</sup> Based on B = 5 inches (12.7 cm) on dimensional drawing (this dimension is adjustable). Add 1 inch for housings with flanged ports.

**Table 4: Ordering Information – Sample: HXHF01-2.0T-316-A-226**

High Flow Filter Housing	Number of Cartridges per Housing	Cartridge Length	Inlet/Outlet Size	Port Type	Housing Material 316SS	V-Band Clamp Closure
HXHF	01	40-inch	2.0-inch	T=MNPT (standard)	316	A
			3.0-inch	V=Victaulic (optional)		
				F=Flange (optional)		

**Table 5: Optional Accessories**

Part Number	Description
1164157	Pressure Gauge, Back Mount, 316SS, ¼" MNPT, 0-100 psig (6.9 bar)
1148053	HXHF01 EPDM Housing Seal
1148055	HXHF01 Viton Housing Seal
1162140	HXHF01 Teflon Encapsulated Viton Housing Seal
1162552	Clamp on Stand for vertical housing

**Veolia Water Technologies**  
Please contact us via:  
[www.veoliawatertechnologies.com](http://www.veoliawatertechnologies.com)

