

Single-Round High Flow Cartridge Filter Housings

FACT SHEET

Stainless Steel



Figure 1: Single-Round High Flow Cartridge Filter Housings¹

¹Shown 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

Stainless Steel Construction	Proven corrosion resistance and strength. Operating pressure to 150 psig (10.3 bar) at 200° F (93° C).
Side Inlet and Bottom Outlet	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.
O-Ring Seal Cup	Provide positive O-Ring seal
Hold-Down Plate	Ensures cartridge remains seated during pressure fluctuations and back pressures
V-Clamp Closure	Quick and easy cartridge filter replacement reduces labor costs and downtime.
Clamp-On Stainless Steel Stand	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.
Tungsten Inert Gas (TIG) Welding	All TIG welding is done at Veolia factories for the highest quality control.

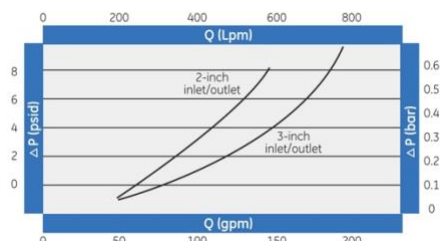


Figure 2: Pressure Drop vs. Flow Rate (empty housing)

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Table 2: Specifications

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

² Viton and Teflon (trademarks of DuPont)



Figure 3: High Flow Z Depth Filter Cartridge

Table 3: Housing Specifications

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

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

⁴ 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, 1/4" 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