

# 1 HF & 1 UHF Series

*High Flow Single Cartridge Housings*



- High Flow Single Cartridge Housings are designed for economical industrial and commercial filtration needs. Reduced filter costs and maintenance requirements provide significant cost savings
- ASME "U" code design housings for commercial and industrial filtration needs
- Heavy-duty 304L or 316L stainless steel construction for maximum durability and corrosion resistance
- Available in 20", 40" and 60" length designs
- Swing bolt closure for quick and easy cartridge change-outs
- Holds one High Flow Series element for fast and simple push / pull installation
- O-ring seal on cartridge eliminates bypass
- Inside-out flow retains contaminant during change out
- Heavy-duty stainless steel mounting leg assembly
- Available in horizontal and vertical designs
- Gauge ports standard

## **Applications**

Water	Desalination
Pre RO Systems	Food & Beverage
Chemicals	Coolants
Electronics	Power
Oil and Gas	Pulp and Paper
Sea Water: 134W or 135 coating required.	

## **Specifications & Operating Parameters**

### **Maximum Operating Pressure**

150 psig (10.3 bar) @ 300°F (149°C)

### **Connections**

Inlet/Outlet: 2F, 3F, 4F

Optional: NPT, TC, BSP, DIN consult with factory

### **Finish**

Glass Bead on exterior surfaces

*Optional: Poly-coat, Electro-polish, Passivate,  
134W (NSF 61) or 135 coating*

### **Gaskets**

Standard: Buna N (FDA Grade)

*Optional: EPR, Silicone or Viton*

### **Materials of Construction**

Head and Shell: 304L or 316L Stainless Steel

Connections: 304L or 316L Stainless Steel

Vent and Drain Plugs: 304L or 316L Stainless Steel

Swing Bolt Hardware: Zinc Plated Steel

### **Cartridge Type**

HFC – High Flow cartridge, 6" Dia nom x 20", 40" or 60" lengths

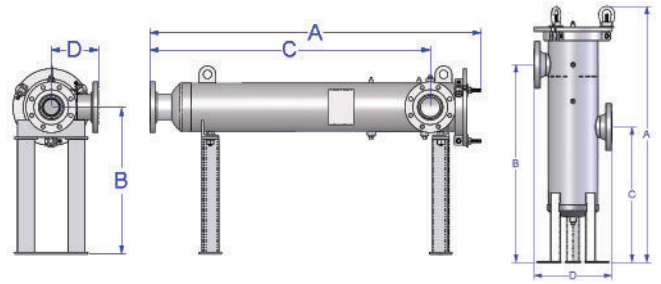
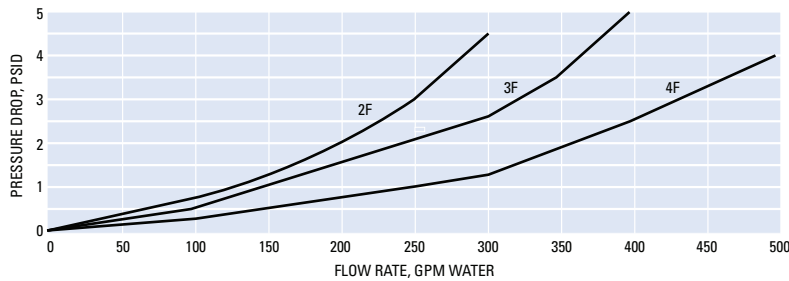
Heavy-duty exterior hard cage. See HFC data sheet for cartridge selection.

### **Custom Options**

- Pressure gauges installed
- Outlet porting options
- Vertical orientations

*See ordering guide for complete selection of options*

## Housing Flow vs. Pressure Drop



## Dimensions: Inches (Dimensions below are for general layout only, consult with factory for approval drawings)

MODEL	CTG. LENGTH	STYLE	MAX FLANGE	FLOW CAPACITY*	A	B	C	D
1HF2V-3F	20"	V	3F	175	43 1/4"	31 7/8"	23 7/8"	12 1/2"
1UHF2V-4F	20"	V	4F	175	42 1/8"	31 7/8"	23 7/8"	17"
1HF4H-3F	40"	H	3F	250	58 7/16"	26 1/16"	48 1/8"	6 1/4"
1UHF4H-4F	40"	H	4F	350	60 15/16"	26 1/16"	51 7/8"	8 3/8"
1HF6H-3F	60"	H	3F	300	78 7/16"	26 1/16"	68 1/8"	6 1/4"
1UHF6H-4F	60"	H	4F	500	80 15/16"	26 1/16"	71 7/8"	8 3/8"

\* Flow capacity is for guidelines only, actual flow rates are based on fluid, viscosity, micron ratings, connections size and other factors. Please consult the factory for specific product selection.

## Ordering Guide (Example: 1HF4H4-3FB-135)

1HF	4	H	4	-	3F	B	-	135
MODEL	LENGTH	STYLE	MATERIAL	CONNECTIONS	GASKET	OPTIONS		
1HF UHF ASME CODE	2 = 20" 4 = 40" 6 = 60"	H = Horizontal V = Vertical	4 = 304L SS 6 = 316L SS	2F = Flanged 3F = Flanged 4F = UHF Only	B = Buna N (Standard) E = EPR V = Viton S = Silicone T/S = Teflon Encapsulated Silicone	GPA = Gauge Ports w/ Gauges 134W = Coating (NSF 61) 135 = Coating EP = Electropolished P = Passivate NS = No stamp UHF only		

## Customization

Housings may be customized to meet your precise requirements. Contact Shelco's technical support staff or your distributor for more information.



## High Flow Cartridges

Ask us about our compatible High Flow Cartridges.



## Shelco Filters

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