

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

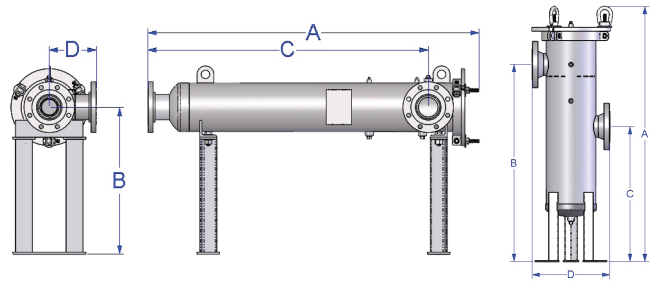
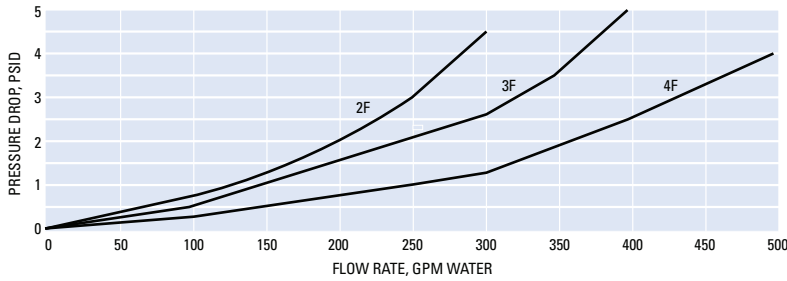
HFC – High Flow cartridge, 6" Dia nom x 20", 40" or 60" lengths
Heavy-duty exterior hard cage. See HFC data sheet for cartridge selection.

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.