

3, 4, 7 & 12 HF & UHF Series

High Flow Multi-Cartridge Housings



- High Flow Multi-Cartridge Housings are designed for industrial and commercial high flow filtration requirements. Reduced filter costs and maintenance requirements provide an exceptional value.
- 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 3, 4, 7 and 12-round configurations
- Offered in 40" and 60" length designs
- Swing Bolt closure for quick and easy cartridge change-outs
- Holds multiple High Flow Series elements for fast and simple push / pull installation
- 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: 3" through 12" Flanges

See ordering guide for Max flange size

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 (Standard)

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 40" or 60" lengths

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

Custom Options

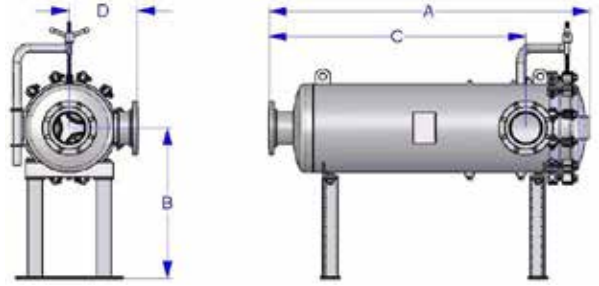
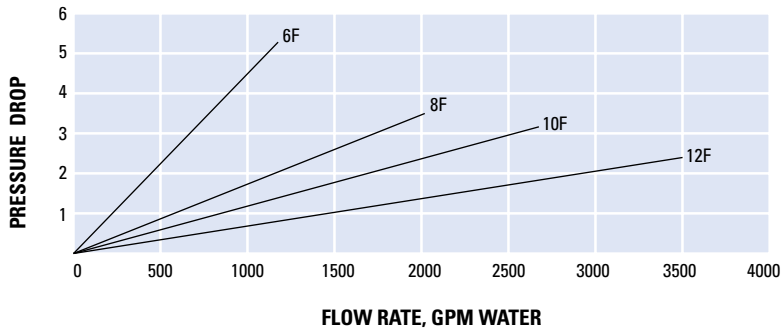
- Pressure gauges installed

- 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 |
|-------------|-------------|-------|------------|----------------|-----------|---------|---------|---------|
| 3HF4H-6F | 40" | H | 6F | 800 | 66 1/8" | 30 3/4" | 52 1/2" | 14" |
| 4HF4H-6F | 40" | H | 6F | 1100 | 65 11/16" | 31 3/4" | 51 7/8" | 15" |
| 7HF4H-8F | 40" | H | 8F | 1800 | 79 1/2" | 33 3/4" | 60 1/4" | 19 1/8" |
| 12HF4H-12F | 40" | H | 12F | 3000 | 85" | 36 3/8" | 61 3/4" | 21 1/2" |
| 3UHF4H-8F | 40" | H | 8F | 900 | 69" | 30 3/4" | 54 1/8" | 14 3/4" |
| 4UHF4H-8F | 40" | H | 8F | 1200 | 69 13/16" | 31 3/4" | 54 7/8" | 16 1/8" |
| 7UHF4H-12F | 40" | H | 12F | 1800 | 79 3/8" | 33 3/4" | 60 3/8" | 17 5/8" |
| 12UHF4H-12F | 40" | H | 12F | 3000 | 85" | 36 3/8" | 61 3/4" | 21 1/2" |
| 3HF6H-6F | 60" | H | 6F | 900 | 86 1/8" | 30 3/4" | 72 1/2" | 14" |
| 4HF6H-6F | 60" | H | 6F | 1200 | 85 11/16" | 31 3/4" | 71 7/8" | 15" |
| 7HF6H-8F | 60" | H | 8F | 2500 | 99 1/2" | 33 3/4" | 80 1/4" | 19 1/8" |
| 12HF6H-12F | 60" | H | 12F | 3600 | 105" | 36 3/8" | 81 3/4" | 21 1/2" |
| 3UHF6H-8F | 60" | H | 8F | 1000 | 89" | 30 3/4" | 74 1/8" | 14 3/4" |
| 4UHF6H-8F | 60" | H | 8F | 1400 | 89 13/16" | 31 3/4" | 74 7/8" | 16 1/8" |
| 7UHF6H-12F | 60" | H | 12F | 2500 | 99 3/8" | 33 3/4" | 80 3/8" | 17 5/8" |
| 12UHF6H-12F | 60" | H | 12F | 3600 | 105" | 36 3/8" | 81 3/4" | 21 1/2" |

* 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: 3HF4H6-6FB-135)

| 3HF | 4 | H | 6 | - | 6F | B | - | 135 |
|------------|---------|----------------|-------------|---|-------------------------|---------------------------|---|----------------------------|
| MODEL | LENGTH | STYLE | MATERIAL | | CONNECTIONS | GASKET | | OPTIONS |
| 3HF | 4 = 40" | H = Horizontal | 4 = 304L SS | | 3HF & 4HF | B = Buna N (Standard) | | GPA = Gauge ports w/gauges |
| 4HF | 6 = 60" | V = Vertical | 6 = 316L SS | | Max 6F | E = EPR | | 134W = Coating (NSF 61) |
| 7HF | | | | | 3UHF & 4UHF | V = Viton | | 135 = Coating |
| 12HF | | | | | Max 8F | S = Silicone | | EP = Electropolished |
| UHF | | | | | 7HF | T/S = Teflon Encapsulated | | P = Passivate |
| ASME CODE | | | | | Max 8F | Silicone | | NS = No stamp UHF only |
| | | | | | 7UHF | | | |
| | | | | | Max 12F | | | |
| | | | | | 12HF & 12UHF | | | |
| | | | | | Max 12F | | | |

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

100 Bradley Street
Middletown, CT 06457 USA

Tel: 800-543-5843 / Fax: 860-854-6120 / E-mail: info@shelco.com

MicroSentry™, MicroVantage™, Shelco Filters® and the Shelco logo are registered trademarks of the Tinny Corporation. Shelco Filters is a division of the Tinny Corporation.