HFC Series
High Flow Cartridge Filters

Request a Quote Today!

Applications
Water Desalination RO Systems
Coolants Electronics Power
Food & Beverage Chemicals
Sea Water Waste Water

Specifications & Operating Parameters

Pore Sizes
0.5, 1, 3, 5, 10, 20, 50, 70 micron

Filter Removal Efficiency
Micron 98% 90%
0.5 Micron 0.5 0.3
1.0 Micron 1.0 0.6
3.0 Micron 3.0 1.5
5.0 Micron 5.0 3.0
10 Micron 10 7.0
20 Micron 20 14
50 Micron 50 20
70 Micron 70 45

Dimensions Nominal
Length: 20” (50.8 cm), 40” (101.6 cm), 60” (152.4)
Outside Diameter: 6” Cage (15.2cm)
Surface area: 20” Length: 24 ft² (2.23 m²)
40” Length: 49 ft² (4.55 m²)
60” Length: 74 ft² (6.87 m²)

Materials of Construction
Filter Media: Polypropylene
End Caps: Polypropylene
Cage: Polypropylene
Gaskets: EPDM standard
Optional: Buna-N, Viton, Silicone

Operating Parameters
Maximum Operating 170°F @ 20 psid (77°C @ 1.4 bar)
Temperature: 155°F @ 25 psid (68°C @ 1.7 bar)
77°F @ 30 psid (25°C @ 2.1 bar)

Recommended Changeout
Differential Pressure: 20–25 psid (1.4–1.7 bar)

Maximum Flow Rates*
20” element up to 175 GPM (662 L/min)
40” element up to 350 GPM (1325 L/min)
60” element up to 500 GPM (1892 L/min)

*Consult the factory for sizing assistance based on your application and particle loads.

• Shelco’s High Flow Cartridges are designed for industrial and commercial filtration at an economic price and an exceptional value
• All Polypropylene construction
• 98% retention ratings from .5 to 70 microns
• Heavy-duty outer cage replaces costly stainless steel support basket
• Handle provides fast and easy push / pull installation
• O-ring seal on cartridge eliminates bypass
• Inside out flow retains contaminant during change out
• Multi-layer pleated media designed for high flow and long service life
• Thermally bonded construction
• FDA listed materials – All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5 and 177.1520, as applicable for food and beverage contact
• Retrofits competitive high flow filter housings

www.commercialfiltrationsupply.com
**Ordering Guide (Example: HFC5-60P-E)**

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**Customization**

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

**Filter Housings**

Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings and bag filter housings, Shelco is the perfect choice for your filtration solutions.