

# HFEC Series

*High Flow Eco Cartridge Filters*



- High Flow Eco Cartridges are designed for residential, commercial and light industrial 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
- 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

## Applications

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

## Specifications & Operating Parameters

### Pore Sizes

0.5, 1, 5, 10, 20, 50, 70 micron

### Dimensions Nominal

Length: 23" (58.4 cm)

Outside Diameter: 6" (15.2cm)

Surface area: 25 ft<sup>2</sup> (2.32 m<sup>2</sup>)

### Materials of Construction

Filter Media: Polypropylene

End Caps: Polypropylene

Cage: Polypropylene

Gaskets: EPDM standard

*Optional: Buna-N, Viton, Silicone*

### Operating Parameters

Maximum operating

Temperature: 140°F @ 20 psid (60°C @ 1.4 bar)

### Recommended changeout

Differential Pressure: 15 psid (1.0 bar)



## Flow vs Pressure Drop – GPM (LPM)

Recommended max flow is 150 GPM ( 567.8 LPM )

Micron	PSID	GPM	LPM
.5	1 psid	60	227.2
1	1 psid	80	302.8
5	1 psid	120	454.2
10	<1 psid	150	567.8
20	<1 psid	150	567.8
50	<1 psid	150	567.8
70	<1 psid	150	567.8

Consult factory for sizing assistance based on particle loading

## Ordering Guide (Example: HFEC5-23P-E)

HFEC	5	-	23	P	-	E
PRODUCT CODE	MICRON		LENGTH	MATERIAL		GASKET/O-RING
HFEC	.5 1 5 10 20 50 70		23	Polypropylene		E = EPR (Standard) B = Buna N V = Viton S = Silicone

## 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.



## Shelco Filters

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