

HPF series

PLEATED CARTRIDGES
PLEATED - HIGH FLOW
OD 6" (152 mm)

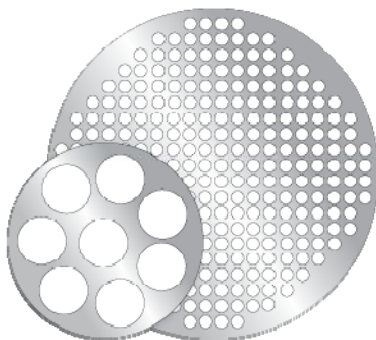


MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINT AND RESINS
- PHARMACEUTICAL
- MICROELECTRONIC
- HYDRAULIC
- STEEL MILL
- GENERAL INDUSTRY

CHARACTERISTICS:

- Multiple pleated layers construction
- High filtration area
- High flow-rate
- High dirt holding capacity
- Filtration direction from in to out
- Inner core for high mechanical strength
- Outer cage to protect the pleated media
- Reduced filter housing dimension
- No fibre releasing
- Wide range chemical compatibility
- Suitable for both liquid and gas filtration
- FDA approved materials (*only for full polypropylene model*)
- 1935/2004/CE certification available upon request (*only PP version*)
- Absolute filtration rating from 0.6 to 80 µm



HPF series cartridges are designed to reduce filter housing dimension.

One HPF series cartridge is equivalent to:

- 36 standard melt-blown filter cartridges
- 15 pleated cartridges
- 5 filtering bag size 2



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TECHNICAL DATA

MAX. WORKING TEMPERATURE

Hardware PP: 80 °C

Hardware nylon: 121 °C

DIFFERENTIAL PRESSURE

Cartridge replacement:

1.5 bar @ 20 °C

Max. allowable:

2.4 bar @ 20 °C

1.8 bar @ 50 °C

CONSTRUCTION MATERIALS

Filter media:

- Polypropylene
- Fibre glass/polyester

Hardware:

- Polypropylene
- Nylon + tinned steel
(only with fiberglass media)

Gaskets:

- Buna-n
- EPDM (standard)
- Viton
- Silicone
- FEP

DIMENSIONS

External diameter:

6" (152 mm)

Length:

20" (510 mm)

40" (1020 mm)

60" (1520 mm)

FILTERING AREA

Standard pleated

20": 2.97 m²

40": 5.94 m²

60": 8.91 m²

Depth pleated

20": 1.12 m²

40": 2.24 m²

60": 3.36 m²

Flow-rate / Delta-P data - DHC:

Filtration (µm)	Polypropylene		Fibre glass		DHC	
	40"	60"	40"	60"	40"	60"
0.6	10	15	12	17	3500	5200
1	27	41	31	47	3700	5500
3	34	68	39	78	3850	5850
5	45	80	52	90	3850	6150
10	60	90	60	95	4000	6500
25	60	90	60	100	4300	7300
≥50	60	100	60	100	4950	8100

Liquid flow-rate (m³/h) - Clean Delta-P 0.1 bar - DHC (gr)

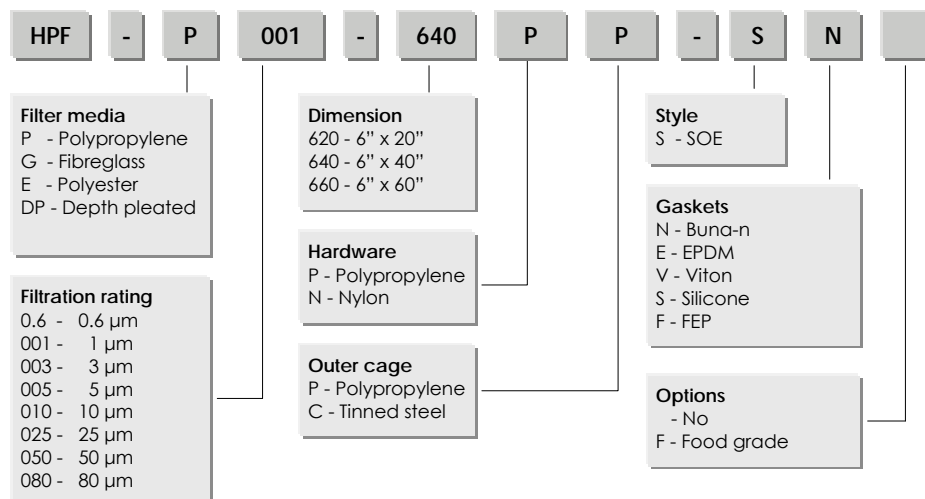
Flow-rate valid for clean water and air, reduce the flow-rate according to the application.

Filtration efficiency:

Filtration (µm)	Efficiency	
	99.98%	90%
0.6	0.6 µm	0.25 µm
1	1 µm	0.45 µm
3	3 µm	0.80 µm
5	5 µm	2.0 µm
10	10 µm	4.5 µm
25	25 µm	10 µm
50	50 µm	25 µm
80	80 µm	60 µm

Filtration efficiency for liquids defined with Multipass ISO 4572 test

Ordering information:



We reserve the right to change the data of this specification without notice.

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