HPF-HD series

Heavy Duty Pleated High-Flow Cartridges

Major applications

Oil & gas
Petrochemical
Speciality Chemical
Power Generation
Clean Energy
Desalination & Water treatment
Steel Mill
Food & Beverage
Pharmaceutical

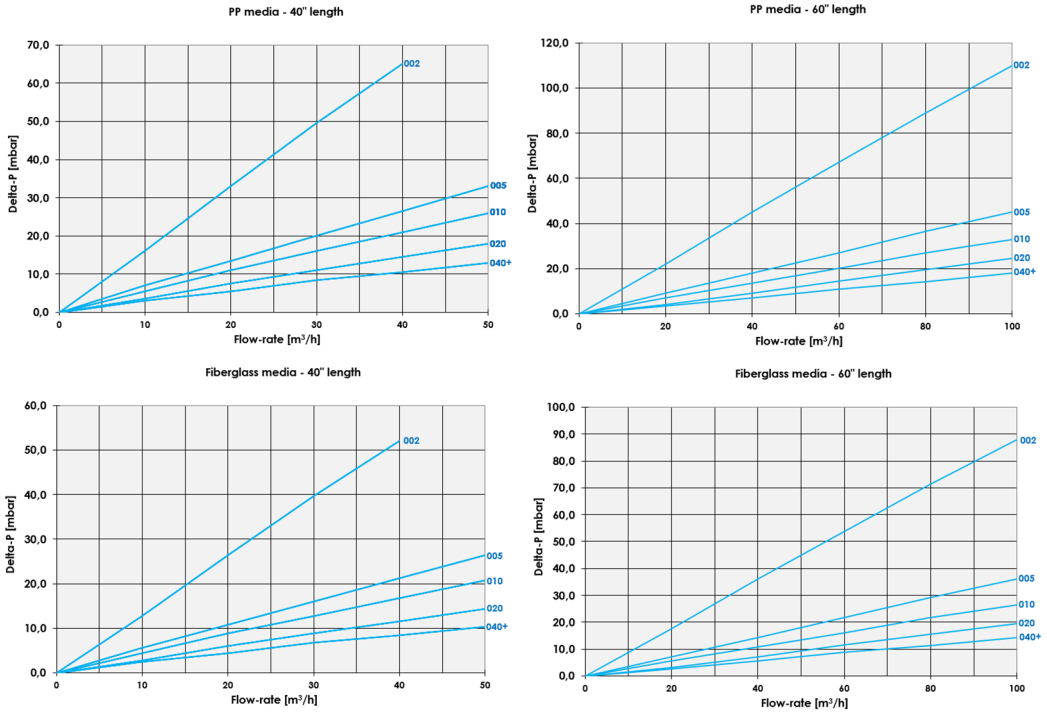
Characteristics

- 100% polymeric construction
- Thermo-welded construction (no binders or glues)
- Reduced filter housing dimension
- Heavy-duty design
- Heavy polymeric outer cage for increased strength
- Heavy polymeric inner core for increased rigidity
- Two hardware materials available
- High flow rate
- High filtration area
- High dirt holding capacity
- Filtration direction from in to out
- Wide range of fluid compatibility even at high temperature
- High temperature material available
- Suitable for both liquids and gases filtration

SPECIFICATIONS			
Micron rating	from 2 to 100 µm		
Filtration efficiency	99.98%		
Filtering area	20": up to 3.7 m^2	40": up to 7.5 m^2	60": up to 11.2 m^2
Filter media	Polypropylene	Fiberglass	
Filter media support	Polypropylene	Polypropylene	Polyester
Core / cage / end caps	Glass filled polypropylene	Glass filled polypropylene	Glass filled acetal
Max. working temperature	82 °C	82 °C	150 °C
Max. allowable Delta-P	3.5 bar @ 20 °C 2.5 bar @ 75 °C	3.5 bar @ 20 °C 2.5 bar @ 100 °C	3.5 bar @ 20 °C 2.5 bar @ 130 °C
OD	6" (152mm)		
Nominal length	20" / 40" / 60"		

Liquid flow-rate vs. Delta-P information

Liquid: clean water @ 20 °C



Flow-rate valid for clean water, reduce the flow-rate according to the application.
Delta-P valid for 1 cP viscosity liquids; for different viscosity, multiply the indicated Delta-P by the fluid viscosity in cP.
For total assembly filter Delta-P, the filter housing Delta-P must be always added.

Dirt holding capacity / Efficiency / Available rating:

	DHC [kg]			
	PP		Fiberglass	
Rating	40"	60"	40"	60"
002	6.0	9.0	6.9	10.3
005	6.0	9.0	6.9	10.3
010	6.4	9.6	7.3	11.0
020	6.4	9.6	7.3	11.0
040+	6.4	9.6	7.3	11.0

DHC valid for the optimal cartridge flow-rate:
30 m³/h @ L 40" or 45 m³/h @ L 60".
Adjust DHC value according to the solids nature, displayed data are obtained in laboratory with calibrated dusts.

	Efficiency		
	Liquids		Gas
Rating	99.98%	99%	99.98%
002	2 µm	1.5 µm	0.5 µm
005	5 µm	2.5 µm	2 µm
010	10 µm	6.5 µm	3 µm
020	20 µm	18 µm	5 µm
040	40 µm	30 µm	10 µm
070	70 µm		20 µm
100	100 µm		40 µm

Available rating	
Filter media	
P	G
X	X
X	X
X	X
X	X
X	X
X	
X	

Filtration efficiency for liquids defined by ISO 4572 test.

Contact us for any further information.

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