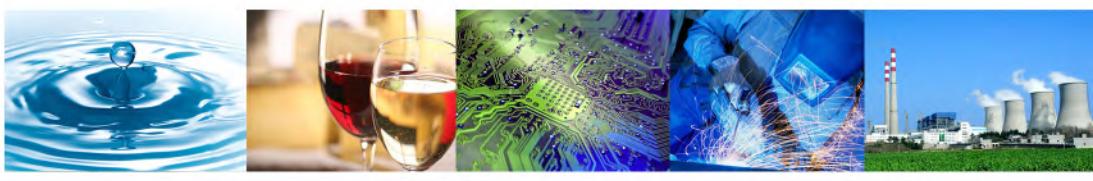
Hongtek®
Make Better Filtration



HFE Series

Pleated High Flow Cartridge Filters

Description

HFE Series Pleated High Flow Cartridges are designed for an economical and reliable filter system for high flow applications. Different from ordinary high flow cartridge filters, HFE Series high flow cartridge has a high strength 40 inch overall thick outer cage that can withstand higher water pressure. The inside-to-outside flow configuration and hard cage construction of the pleated high flow cartridge allows it to be tightly compacted to further minimize replace and disposal costs.

High flow cartridge filters have high performance filter media, strong dirt holding capacity, low delta pressure to flow for longer periods of time, reliable particle removal and long service life. Scientific large area pleated geometric design, complete thermal welding structure and high quality filtration effect can meet the needs for high flow filter systems.

Features

- Higher flow rates and more cost savings
- High filtration efficiency and wide chemical compatibility
- Advanced hot melt welding technology and 100% integrity testing
- 40 inch overall thick outer cage that can withstand high water pressure
- Lower waste disposal costs, lower replacement and maintenance costs
- High performance filter media, low resistance to flow for long service life

Specification

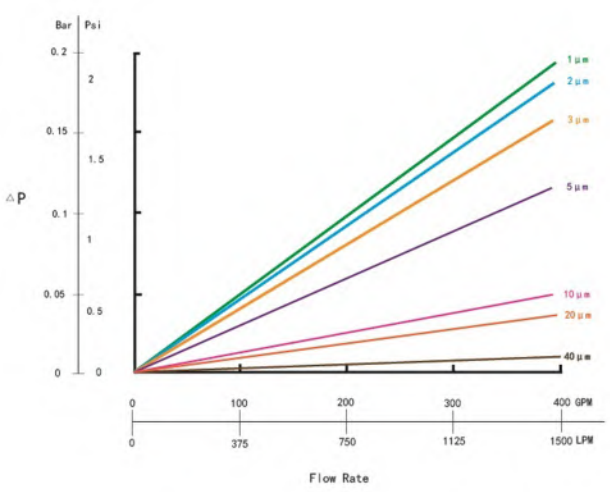
Filter Media	Polypropylene (PP) Pleated
Length	40" (1016mm), 60" (1524mm)
Outside Diameter	6 inch (152mm)
Inside Diameter	73.5mm
Filtration Rating	1μm, 2μm, 3μm, 5μm, 10μm, 20μm, 40μm, 70μm, 100μm
Support/Drainage	Polypropylene (PP)
End Cap Material	Glass fiber reinforced Polypropylene (PP)
Outside	40" Overall Rigid Hard Cage
Seal Material	EPDM, Buna-N, Viton

Application

- Microelectronics
- Food & Beverage
- Water Processing
- Power Generation
- Fuels & Chemicals
- Biopharmaceutical
- Machinery & Equipment
- Industrial Wastewater Treatment

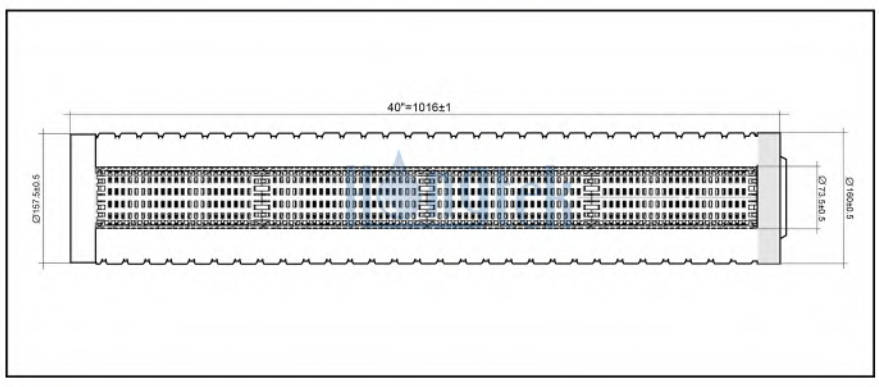
Operation Data

Max. Operating Temperature	180°F @ 20 psid (82°C @ 1.4 bar)
	160°F @ 30 psid (71°C @ 2.1 bar)
	77°F @ 50 psid (25°C @ 3.4 bar)
Suggested Max. Flow Of Water	40inch length: 1,300 LPM
	60inch length: 1,900 LPM
Liquid Flow Direction	Inside to outside
Typical Surface Area	7m² per 40" filter cartridge
	10.5m² per 60" filter cartridge
Maximum Pressure	4.2 bar
Recommend Change out Differential Pressure	2.5 Bar at 20 ℃



Flow Rate vs Pressure Drop for Per 40" Filter

Tech Support



Order Information

HFE	Material	Length	Filtration Rating	O-ring Material	Inside (selective)
HFE Series Pleated High Flow Cartridges	P = PP Pleated	40 = 40"(1016mm)	1 = 1μm	E = EPDM	C = Central PP core
			2 = 2μm		
			3 = 3μm		
			5 = 5μm	B = Buna-N	
			10 = 10μm		
		60 = 60"(1524mm)	20 = 20μm		
			40 = 40μm		
			50 = 50μm	V = Viton	
			70 = 70μm		
			100 = 100μm		

HFE-P-40-5-E

HFE Series Pleated High Flow Cartridge Filters - Material: PP Pleated - Length = 40" - Filtration Rating = 5μm - O-ring Material = EPDM

Special specifications high flow cartridge filters can be customized, such as, special length & end caps or Stainless Steel outside cage etc.

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