



# HFA Series Pleated High Flow Filter Cartridges

## Description

HFA Series Pleated High Flow Filters are superior pleated cartridges manufactured by Hongtek. The outer diameter usually made 6 inch (152mm). High flow filters can be made coreless or inner central core with outer hard cage, single open end when the another end is sealed by O-ring end cap.

Liquid flow pattern is from inside to outside. The large diameter geometrical design of polypropylene pleated high flow filter cartridges enlarge surface filtration area, strengthen dirt holding capacity to save the quantities of filter cartridges and improve flow rate when filtration efficiency exceed 99%. High flow pleated cartridges have wide range of chemical compatibility and applications, making them the ideal option for industrial high flow water filtration system to protect RO membrane.



## Features

- Gradient pore structure of pleated high flow filters provide layered filter functions
- Outer hard cage can withstand higher pressure than high flow filters made by soft netting
- The reduction of filtration system space could be maximized to 50% so as to lower maintenance costs
- The highest flow rate of high flow pleated filters could get 110 M<sup>3</sup>/H and Beta 5000 rated (99.98% efficiency)
- Inside to outside filtration pattern of high flow filters ensure holding all impurities stayed inside the pleated media
- High flow pleated cartridges are more economical because of high filtration efficiency and lower waste disposal costs
- Materials meet FDA requirements with wide chemical compatibility, no resins, binders, or adhesives and 100% integrity testing

## Specification

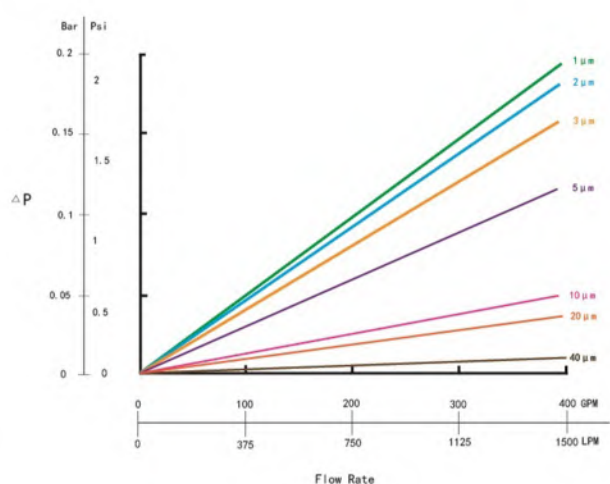
<b>Filter Media</b>	Polypropylene (PP) Pleated
<b>Length</b>	20"(508mm), 40"(1016mm), 60"(1524mm)
<b>Outside Diameter</b>	6 inch (152mm)
<b>Inside Diameter</b>	73.5mm
<b>Filtration Rating</b>	1µm, 2µm, 3µm, 5µm, 10µm, 20µm, 40µm, 70µm, 100µm
<b>Support/Drainage</b>	Polypropylene (PP)
<b>End Cap Material</b>	Glass fiber reinforced Polypropylene (PP)
<b>Outside</b>	Rigid Hard Cage
<b>Seal Material</b>	EPDM, Buna-N, Viton

## Application

- Paints and coatings
- Microelectronic, film and resin
- Bottled water, edible oil, soft drink
- Water treatment in Power generation
- Sea water desalination RO pre-filtration
- Solvents, API and water filtration in Bio field

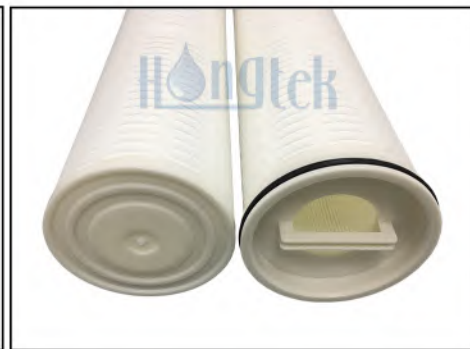
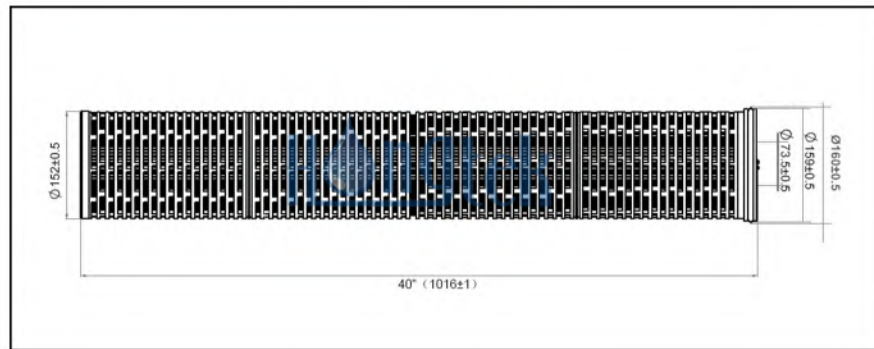
## Operation Data

<b>Max. Operating Temperature</b>	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)
<b>Suggested Max. Flow Of Water</b>	20inch length: 660 LPM 40inch length: 1,300 LPM 60inch length: 1,900 LPM
<b>Liquid Flow Direction</b>	Inside to outside
<b>Typical Surface Area</b>	3.5m <sup>2</sup> per 20" filter cartridge 7m <sup>2</sup> per 40" filter cartridge 10.5m <sup>2</sup> per 60" filter cartridge
<b>Recommend Change out Differential Pressure</b>	2.5 Bar at 20 °C



Flow Rate vs Pressure Drop for Per 40" Filter

## Tech Support



## Order Information

HFA	Material	Length	Filtration Rating	O-ring Material	Inside (selective)
HFA Series Pleated High Flow Filters	P = PP Pleated	20 = 20"(508mm)	1 = 1µm	E = EPDM	C = Central PP core
			2 = 2µm		
			3 = 3µm		
		40 = 40"(1016mm)	5 = 5µm	B = Buna-N	
			10 = 10µm		
			20 = 20µm		
		60 = 60"(1524mm)	40 = 40µm	V = Viton	
50 = 50µm					
			70 = 70µm		
			100 = 100µm		

For Example:

HFA-P-40-5-E

HFA Series Pleated High Flow Filter Cartridge - Material: Polypropylene - Length = 40" - Filtration Rating = 5µm - O-ring Material = EPDM

Special specifications high flow pleated cartridges can be customized, such as central PP core, special end caps or Stainless Steel outside cage etc.

