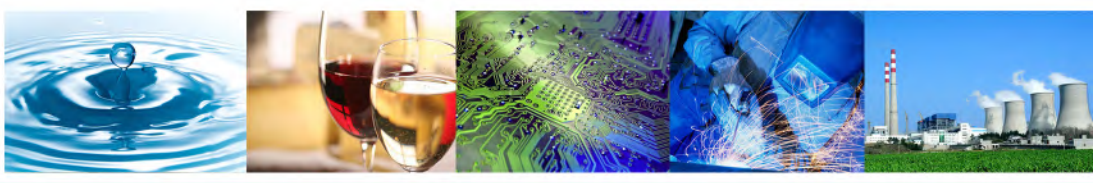
Hongtek®
Make Better Filtration



HFG Series

Pleated High Flow Filter Cartridges

Description

HFG Series Pleated High Flow Filters are designed for the applications of liquid filtration with large flow requirements, high flow capacity and high efficiency, inside to outside flow direction. The cartridges with inner core, outer wrap band and netting, have good integrity design with advanced hot melt technology. High flow filter cartridges fit into the standard high flow filter housings, easy to install and replace, so save a lot of labor cost. The pleated high flow filters have unique crescent-shaped pleat geometry, combined with its large 6 inch diameter, reduces the number of cartridges and size of housing required compared to the traditional OD 2.5" depth filter cartridges. High flow pleated filter elements help to remove particles and other contaminants from water, compatible industrial chemicals, and liquid food & beverage fluids with absolute rating.

Features

- High particle removal efficiency and long service life
- Advanced pleat technology results in large filtration area
- Advanced hot melt welding technology and 100% integrity testing
- High flow filter cartridges fit into the standard high flow filter housings
- Higher flow rates compared to conventional OD 2.5" depth filter cartridges
- High flow filter cartridges are easy to install and replace, save a lot of labor cost

Specification

Filter Media	Polypropylene (PP)
Length	20" (508mm), 40" (1016mm), 60" (1524mm)
Outside Diameter	6 inch (152mm)
Filtration Rating	5μm, 10μm, 20μm, 40μm, 70μm, 100μm
Support/Drainage	Polypropylene
End Cap Material	Polypropylene
Inner Core	Polypropylene
Outer Netting	Polyethylene
Outer Wrap Band	Polyethylene and Polypropylene
Seal Material	EPDM, Buna-N, Viton

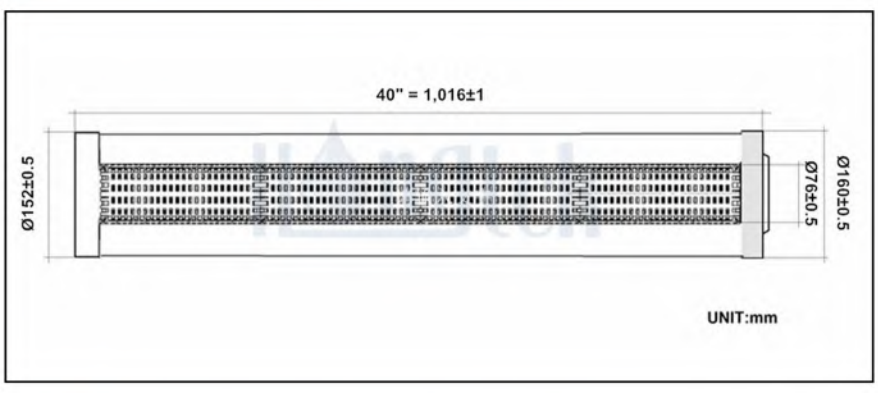
Application

- Process Waters
- Produced Waters
- Food & Beverage
- Wastewater Treatment
- Pre-RO Water Filtration
- Condensing Water Filtration

Operation Data

Max. Operating Temperature	70°C(160°F)
Suggested Max. Flow Of Water	20inch length: 35m³/h(150gpm)
	40inch length: 70m³/h(310gpm)
	60inch length: 100m³/h(440gpm)
Liquid Flow Direction	Inside to outside flow path
Typical Surface Area	3m² per 20" filter element
	6m² per 40" filter element
	9m² per 60" filter element
Maximum Pressure	4.2 bar
Maximum Forward Differential Pressure	3.5 bar at 20°C (50psid at 68°F)
	1.5 bar at 70°C (20psid at 160°F)
Recommend Change out Differential Pressure	2.5 bar at 20°C (35psid at 68°F)

Tech Support



Order Information

HFG	Material	Length	Filtration Rating	O-ring Material
HFG Series Pleated High Flow Filter Elements	P = PP Pleated	20 = 20" (508mm)	5 = 5μm	E = EPDM
			10 = 10μm	
		40 = 40"(1016mm)	20 = 20μm	B = Buna-N
			40 = 40μm	
		60 = 60"(1524mm)	70 = 70μm	V = Viton
			100 = 100μm	

For Example:

HFG-P-60-5-E

HFG Series Pleated High Flow Filter Elements - Material: PP Pleated - Length = 60" - Filtration Rating = 5μm - O-ring Material = EPDM

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