



# PFG Series Pleated High Flow Cartridge Filters

## Description

PFG Series Pleated High Flow Cartridge Filters are cost effective alternative to large flow filtration system. OD 6inch(152mm) pleated high flow filter equal to 8 standard 2.5inch OD x 40inch long depth filter cartridges. High flow rate reduce the number of cartridges required and allows for smaller housings, and widely used in high flow applications, such as reverse osmosis pre-filtration, where need good filtration effect. Positive O-ring seals and a convenient built-in handle make high flow cartridge filters installation reliable, fast and easy.



## Features

- Cost effective alternative to large flow filtration system to protect UF & RO membrane
- High flow capacity of high flow filter means fewer cartridges & change-outs which reduces labor costs
- High flow filters are available in pleated polypropylene media with nominal ratings of 0.5, 1, 5 & 10 micron
- High surface area pleated design of high flow cartridge provides lower pressure drop and longer service life
- Good performance with consistent good filtration efficiency and wide chemical compatibility for different applications

## Specification

<b>Filter Media</b>	Polypropylene Pleated
<b>Length</b>	40" (1016mm)
<b>Outside Diameter</b>	6 inch (152mm)
<b>Filtration Rating</b>	0.5µm, 1µm, 5µm, 10µm
<b>Support/Drainage</b>	Polypropylene (PP)
<b>End Cap Material</b>	Polypropylene (PP)
<b>Inside</b>	Polypropylene (PP) Core
<b>Outside</b>	Netting
<b>Seal Material</b>	EPDM, Silicone, Buna-N, Viton

## Application

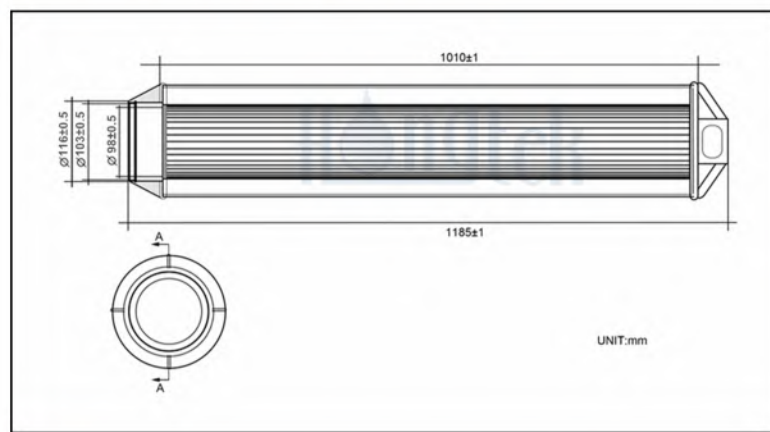
- Waste water
- Potable water
- RO pre-filtration
- Chemical industry
- Power generation
- Food and beverage
- Sea water desalination

## Operation Data

<b>Maximum Operating Temperature</b>	90°C
<b>Change Out Differential Pressure</b>	35psid (2.4bar)
<b>Suggested Maximum Flow Rate</b>	175GPM (662LPM)
<b>Maximum Differential Pressure</b>	150psid (10bar)
<b>Filtration Surface Area</b>	5 - 5.5m <sup>2</sup>
<b>Liquid Flow Direction</b>	Outside to inside

Length of Cartridge	Rating	Media	Removal Rating (µm) @ Efficiency				
			90%	95%	98%	99%	99.99%
40" (1010mm)	0.5µm	PP	0.5	1	5	10	20
	1µm		1	5	10	20	40
	5µm		5	10	20	30	50
	10µm		10	25	60	70	80

## Tech Support



## Order Information

PFG	Material	Length	Filtration Rating	Open End Type	O-ring Material
PFG Series Pleated High Flow Cartridges	P = PP Pleated	40 = 40"(1016mm)	0.5 = 0.5µm	S = Single O-ring	E = EPDM
			1 = 1µm		B = Buna-N
			5 = 5µm		V = Viton
			10 = 10µm		C = Silicon
			20 = 20µm		
			50 = 50µm		
70 = 70µm					

For Example:

PFG-P-40-5-S-E

PFG Series Pleated High Flow Cartridge Filters - PP Pleated - 40" - 5µm - Single O-ring - EPDM

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