



PP100-HF

ABSOLUTE POLYPROPYLENE HIGH FLOW FILTER ELEMENTS

fits competitive housings

Process Filtration

High flow polypropylene filter elements compatible with competitive housings

PP100-HF elements are manufactured in a ISO-9001 quality management system to ensure the highest quality. The PP100-HF filter elements comply with FDA requirements for food contact per CFR Title 21 & EC/1935/2004.

These elements are produced in 1016 mm and 1524 mm (40" and 60") lengths and feature plug connection end caps with handles to allow for quick and easy change outs.

APPLICATIONS

- RO pre-filters
- Process water
- Plating solutions
- Chemicals
- Waste and wastewater
- Food & beverage
- Bottled water
- Brewery and spirits
- Dairy and yogurt
- Food and ingredients



PP100-HF

FEATURES	BENEFITS
Polypropylene filter media	Wide range of chemical compatibility
Absolute rated	High particle retention
Low clean flow resistance	High throughput; longer service life and reduced maintenance costs
Inside-to-outside flow	Captures contaminants on the inside of the element, avoiding potential contamination during change out.

SPECIFICATIONS

MATERIALS	
Filter Media	Polypropylene
Support	Polypropylene
Outer Cage	Polypropylene
Core	Polypropylene
End Caps	Polypropylene
Sealing Method	Thermal Bonding
O-Rings	Standard: EPDM Optional: Viton [®] *, Silicone

DIMENSIONS		
Lengths	1034 ±6 mm	40"
	1551 ±6 mm	60"
Outside Diameter	152 mm	(6")

* Viton is a registered trademark of DuPont Performance Elastomers L.L.C.

* Viton is a registered trademark of DuPont PerformanceElastomers L.L.C.

SPECIFICATIONS

AVAILABLE MICRON RATINGS

1, 2, 5, 10, 20, 40 microns

MAXIMUM TEMPERATURE

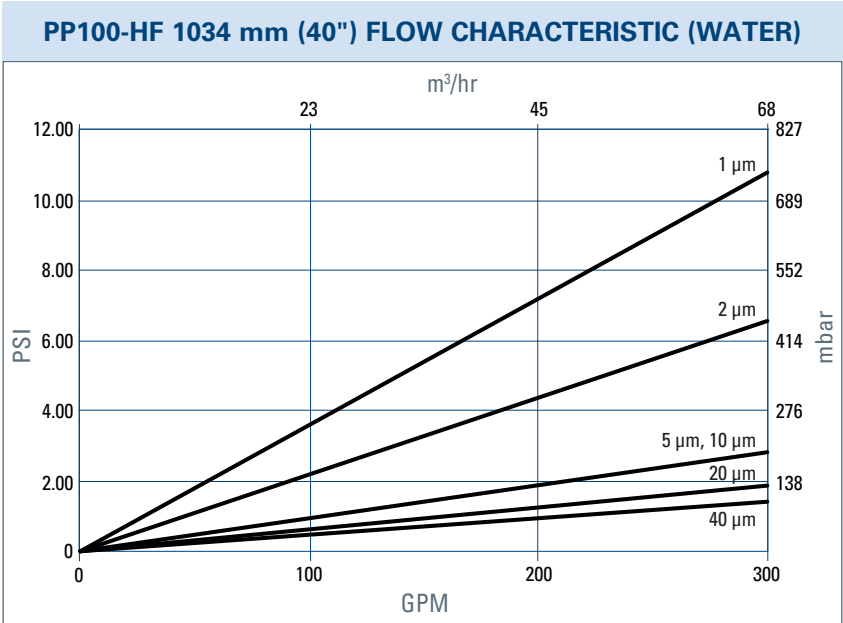
82° C (180° F)

DIFFERENTIAL PRESSURE

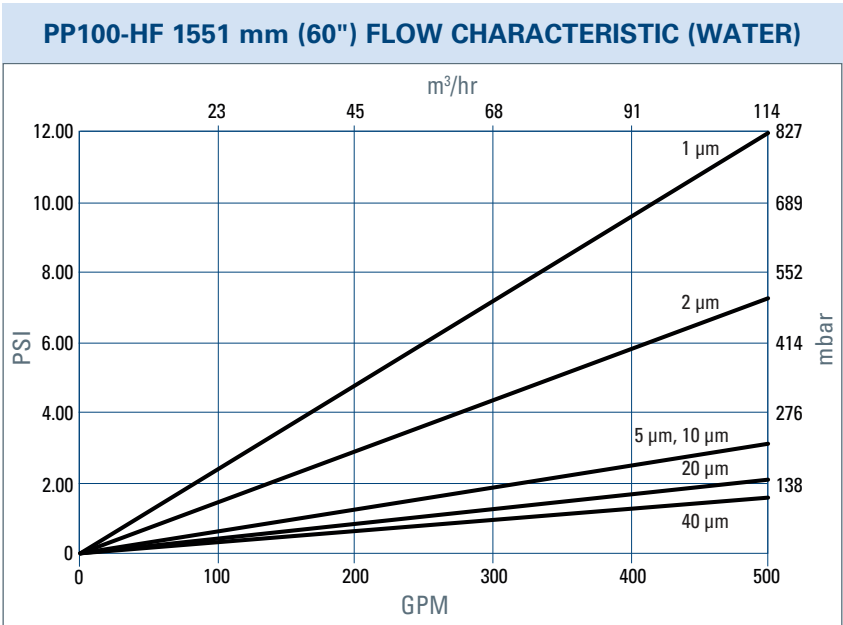
Recommended change-out differential pressure:
2.4 bar (35 psi)

Maximum differential pressure:
2 bar (29 psi) @ 82° C (180° F)
3.4 bar (49 psi) @ 20° C (68° F)

PORE SIZE	BETA 5000 99.98%
1 micron	1.0
2 micron	2.0
5 micron	5.0
10 micron	10.0
20 micron	20.0
40 micron	40.0



The chart does not account for pressure drop contributed by the housing.



The chart does not account for pressure drop contributed by the housing.



donaldson.com/process

Donaldson Company, Inc.
Minneapolis, MN

Contact us



Important Notice: Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, specifications, availability and data are subject to change without notice, and may vary by region or country.

F119146 ENG (05/24) PP100-HF ©2024 Donaldson Co., Inc. Donaldson and the color blue are marks of Donaldson Company, Inc. All other marks belong to their respective owners.