Donaldson
FILTRATION SOLUTIONS

PP100-HF

ABSOLUTE POLYPROPYLENE HIGH FLOW FILTER ELEMENTS

fits competitive housings

Process Filtration

High flow polypropylene filter elements.

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.

PP100-HF

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

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	1016 mm and 1524 mm (40" and 60")
Outside Diameter	152 mm (6")

* 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)

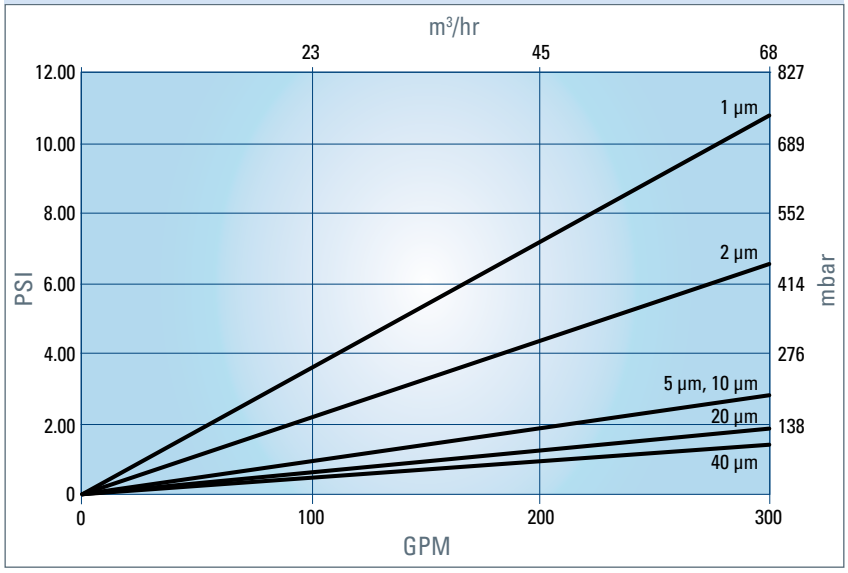
DIFFERENTIAL PRESSURE

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)

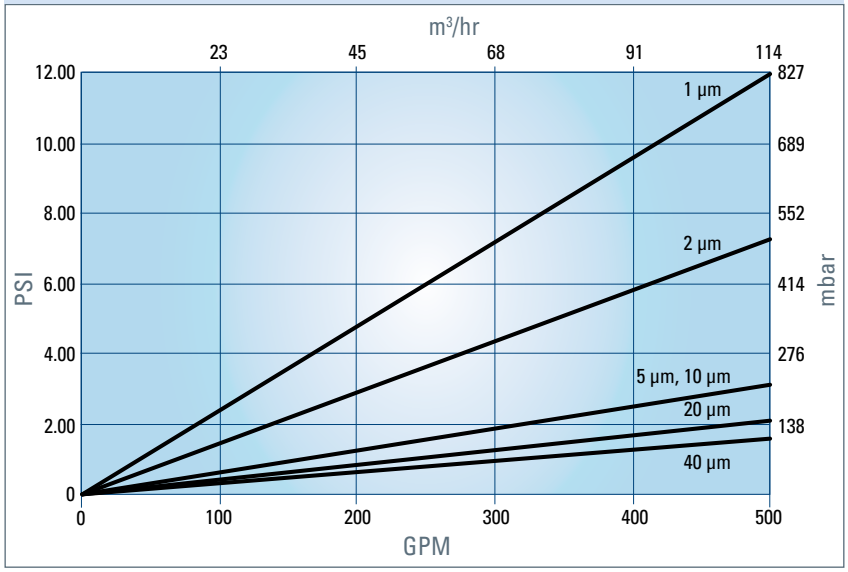
PORE SIZE	BETA 5000 99.98%
1 micron	1.0
2 micron	2.0
5 micron	5.0
10 micron	10.0
20 micron	20.0
40 micron	40.0

PP100-HF 1016 mm (40") FLOW CHARACTERISTIC (WATER)



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

PP100-HF 1542 mm (60") FLOW CHARACTERISTIC (WATER)



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

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Registered: Quality Management System 9001:2008 ISO

Donaldson Company, Inc.
Minneapolis, MN

donaldson.com
shop.donaldson.com

Australasia 61-02-4350-2066
marketing.australia@donaldson.com

Brazil 55-11-4894-6035
vendas.brasil@donaldson.com

China 86-400-921-7032
info.cn@donaldson.com

EMEA 49-2129-569-0
cap-europe@donaldson.com

India 91-124-4807-400
indiainquiries@donaldson.com

Japan 81-42-540-4123
ndl-ultrafilter-web@donaldson.com

Korea 82-2-517-3333
cap-kr@donaldson.com

Latin America 52-449-300-2442
industrialair@donaldson.com

North America 800-543-3634
processfilters@donaldson.com

South Africa 27-11-997-6000
samarketing@donaldson.com

Southeast Asia 65-6311-7373
sea.salesenquiry@donaldson.com

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