

Product Features

This cost effective, disposable filter element can be used for a wide range of applications. The filter is constructed of pleated polypropylene filter media with high surface area that allows for greater system flow rate.

Advantages

- Micron rating from 0.2 to 50 μm —Broad application range
- Fixed pore structures—Resists unloading of captured contaminant
- Polypropylene construction—Inert to many process fluids
- Various gasket and o-ring materials—Compatible with a variety of fluids
- Economically efficient filtration
- Manufactured in continuous lengths up to 40 inches

Certifications

- USP Class VI: Meets USP Class VI Biological Tests for Plastics FDA Listed Materials: All materials comply with FDA Title 21 of the
- Code of Federal Regulations Sections 174.5 and 177.1520, as applicable for food and beverage contact
- European Directive for Direct Food Contact: European Regulation No. 1935/2004 and European Regulation 10/2011: Tested for migration behaviour and is suitable for contact with all kinds of foodstuffs with minimal rinse-up

Product Specifications

Media:

Polypropylene

Core, End Caps, Cage:

Polypropylene

Gasket/O-Rings:

Many options available

Dimensions:

Outside Diameter: 2.7" (6.86 cm)

Inside Diameter: 1.0" (2.54 cm)

Operating Parameters

Maximum Operating Temperature:

176 °F (80°C)

Maximum Differential Pressure:

75 psid @ 70°F (5.2 bar @ 21°C)

30 psid @ 176°F (2.0 bar @ 80°C)

**Recommended Change Out
Pressure:**

35 psid (2.4 bar)

Maximum Reverse Pressure:

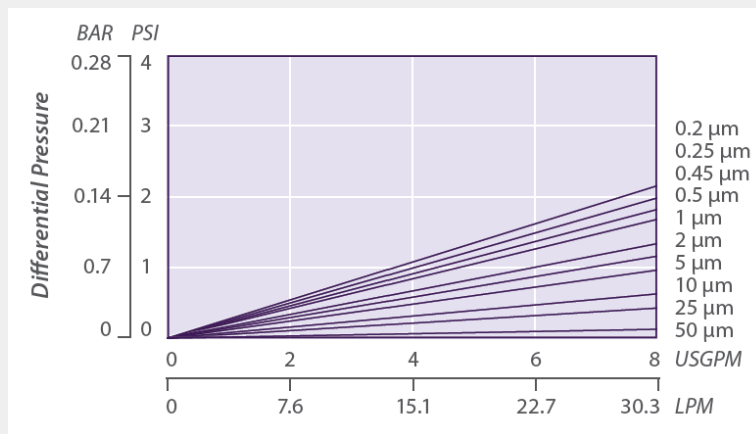
40 psid at 70°F (2.8 bar at 21°C)

PP5 NOMENCLATURE INFORMATION

Filter Type	Retention Rating (microns)	Nominal Length (inches)	End Configuration	Gasket or O-Ring
PP5	0.2	-5	-P (double open end)	B (Buna-N)
	0.25	-9.75	-P2 (226/flat single open end)	E (EPDM)
	0.45	-10	-P3 (222/flat single open end)	S (Silicone)
	0.5	-20	-P7 (226/fin single open end)	T (Teflon encap. Viton, o-rings only)
	1	-30	-P8 (222/fin single open end)	T (Teflon, gaskets)
	2	-40	-AM (single open end, internal o-ring)	V (Viton)
	5			
	10			
	25			
	50			

PP5 Flow Rate

Typical Flow Rate Clean Water at Ambient Temperature
(per 10" cartridge)



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

Removal Efficiency

Micron Rating	Beta 50 (98%)	Beta 10 (90%)
0.2 μ m	0.28	0.20
0.25 μ m	0.35	0.25
0.45 μ m	0.6	0.45
0.5 μ m	0.7	0.5
1.0 μ m	1.5	1.0
2.0 μ m	2.7	2.0
5.0 μ m	7.0	5.0
10 μ m	12	10
25 μ m	32	25
50 μ m	70	50



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