

Product Features

This all-polypropylene filter retains particles with absolute efficiency. Available in a broad range of pore sizes, it is suitable for a wide range of applications. The pleated construction allows for a larger surface area to offer an outstanding overall filtration economy.

Advantages

- Micron rating from 0.2 to 100 μm —Broad application range
- Absolute efficiency—rated at 99.98% removal
- Competitive surface area—High flow rates and long online service to minimize maintenance cost
- Fixed pore construction—Resists dirt unloading at maximum differential pressure
- Polypropylene construction—Inert to many process fluids
- 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)

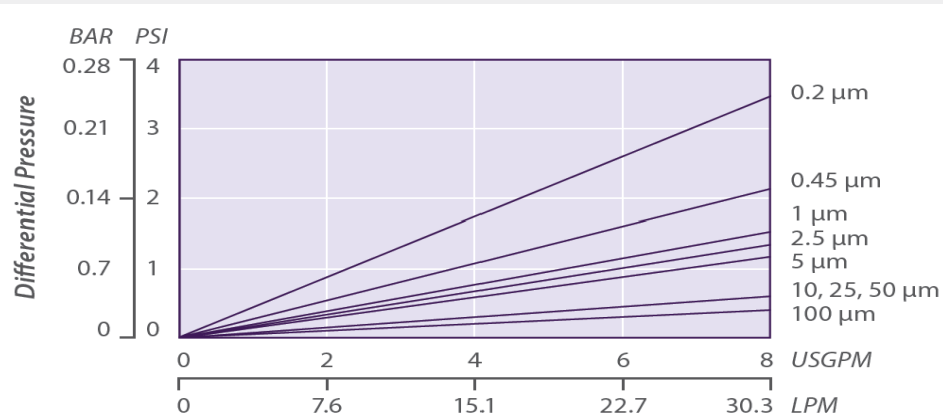


PP4 NOMENCLATURE INFORMATION

Filter Type	Retention Rating (microns)	Nominal Length (inches)	End Configuration	Gasket or O-Ring	Options
PP4	0.2	-5	-P (double open end)	B (Buna-N)	-I (End Cap Insert)
	0.45	-9.75	-P2 (226/flat single open end)	E (EPDM)	-R (Factory Pre Rinse)
	1	-10	-P3 (222/flat single open end)	S (silicone)	
	2.5	-20	-P7 (226/fin single open end)	T (Teflon encap. Viton, o-rings only)	
	5	-30	-P8 (222/fin single open end)	T (Teflon, gaskets)	
	10	-40	-AM (single open end, internal o-ring)	V (Viton)	
	25		-PX (extended core)		
	50		-NPC (double open end, internal o-ring)		
	100				

PP4 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 5000 (99.8%)	Beta 100 (99%)	Beta 50 (98%)
0.2 µm	0.2	0.1	0.05
0.45 µm	0.45	0.3	0.2
1.0 µm	1.0	0.6	0.3
2.5 µm	2.5	2.0	1.5
5.0 µm	5.0	4.0	3.0
10 µm	10	8.0	7.0
25 µm	25	19	15
50 µm	45	35	28
100 µm	-	100	85



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