

Product Features

An innovative product manufactured with multiple layers of melt blown polypropylene media. This unique structure allows high flow rates while maintaining low differential pressure and ideal depth filtration characteristics.

Advantages

- Micron rating from 0.1 to 10 μm —Broad application range
- High filtration efficiency—rated at 95% removal
- Graded pore structure—multilayer media for high dirt holding capacity
- Fixed pore construction—resisted dirt unloading at maximum differential pressure
- Polypropylene construction—inert to many process fluids

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

Specifications for Cleaning & Sanitization

- Hot water at 176 °F (80°C) at 5 psid (0.35 bar) for 30 minutes
- In-line steam at 257 °F (125°C) at 1psid (0.07 bar) for 30 minutes
- Autoclavable at 257 °F (125°C) for 30 minutes

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:

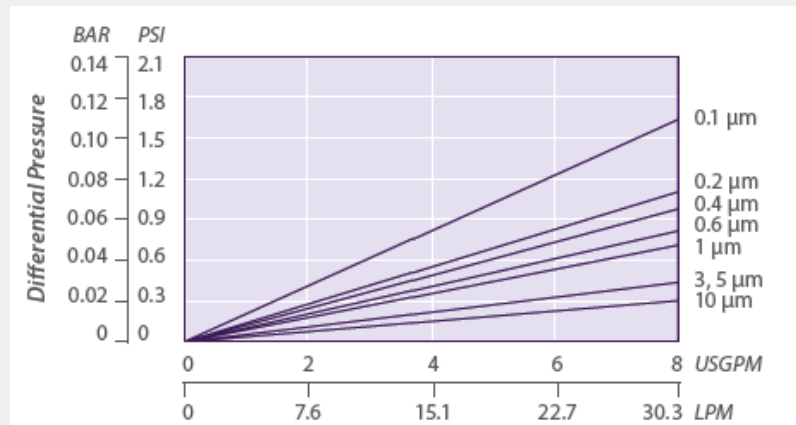
40 psid at 70°F (2.8 bar at 21°C)

PP3 NOMENCLATURE INFORMATION

Filter Type	Retention Rating (microns)	Nominal Length (inches)	End Configuration	Gasket or O-Ring
PP3	0.1 0.2 0.4 0.6 1 3 5 10	-5 -9.75 -10 -20 -30 -40	-P (double open end) -P2 (226/flat single open end) -P3 (222/flat single open end) -P7 (226/fin single open end) -P8 (222/fin single open end) -AM (single open end, internal o-ring) -PX (extended core) -NPC (double open end, internal o-ring)	B (Buna-N) E (EPDM) S (silicone) T (Teflon encap. Viton, o-rings only) T (Teflon, gaskets) V (Viton)

PP3 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 100 (99%)	Beta 20 (95%)
0.1 µm	0.8	0.1
0.2 µm	1.0	0.2
0.4 µm	2.0	0.4
0.6 µm	3.0	0.6
1.0 µm	6.0	1.0
3.0 µm	14	2.0
5.0 µm	17	5.0
10 µm	25	10



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