

Product Features

This filter is constructed with a high surface area melt blown polypropylene media for low initial pressure drop, high dirt holding capacity, and high efficiency performance.

Advantages

- Micron rating from 0.2 to 20 μm —Broad application range
- Absolute efficiency—rated at 99.98% removal
- High surface area—high flow rate and long service life—minimize maintenance cost
- Fixed pore construction—resists dirt unloading at maximum differential pressure
- Polypropylene construction—inert to many process fluids
- Heavy duty molded cage—high structural strength
- Highly consistent melt blown media for consistent performance

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)

Surface Area: Up to 7.0 ft²

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:

40 psid at 70°F (2.8 bar at 21°C)

Maximum Reverse Pressure:

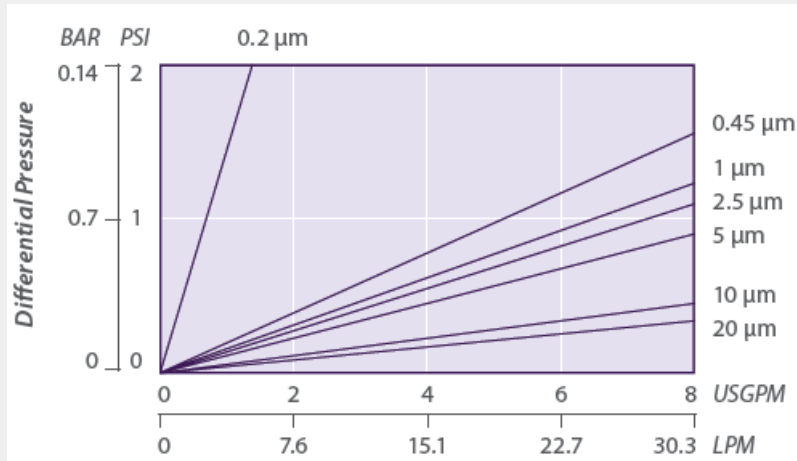
40 psid at 70°F (2.8 bar at 21°C)

PP2 NOMENCLATURE INFORMATION

Filter Type	Retention Rating (microns)	Nominal Length (inches)	End Configuration	Gasket or O-Ring	Options
PP2	0.2 0.45 1 2.5 5 10 20	-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)	-I (End cap insert) -R (Factory pre-rinse)

PP2 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 99.98%	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 µm	1.0	0.6	0.3
2.5 µm	2.5	2.0	1.5
5 µm	5	4.0	3.0
10 µm	10	8.0	7.0
20 µm	25	17	15

Performance Specifications

- Cleaning/sanitization: Compatible with most common chemical cleaning, sanitizing, and sterilizing agents with a pH range of 1-14. Consult factory for specific compatibility information.
- Steam/autoclave: Cartridges may be autoclaved for 30 minutes at 250°F (121°C) under no end load conditions. Cartridges fitted with steam insert may be steamed for at least 10 30-minute cycles at 275°F (135°C) not to exceed 3 psid (0.21 bar).



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