



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

Sterilization

PP7 single open end style filters may be autoclaved under no end load conditions for 30 minutes at 121°C.

Maximum Differential Pressure:

150 psid @ 68°F (10.3 bar @ 20°C)

90 psid @ 150°F (6.2 bar @ 66°C)

35 psid @ 176°F (2.4 bar @ 80°C)

Recommended Change Out Pressure:

35 psid (2.4 bar)

Product Features

PP7 series melt blown depth filters deliver 99.9% efficiency at the state micron for the most demanding applications. By utilizing the ultra fine fibers and controlled thermal bonding, the PP7 series retains captured contaminant even at higher differential pressures.

Advantages

- Absolute retention from 0.3 to 100 micron
- Multi-zone melt blown depth filter with a graded pore structure for maximum dirt holding capacity
- Thermally bonded fibers for high void volume and long on-stream service life
- Lot traceable filters come with certificate of conformance
- 100% pure virgin polypropylene
- Molded center core fort higher temperatures and pressure capability
- Free of surfactants, binder and adhesives

Certifications

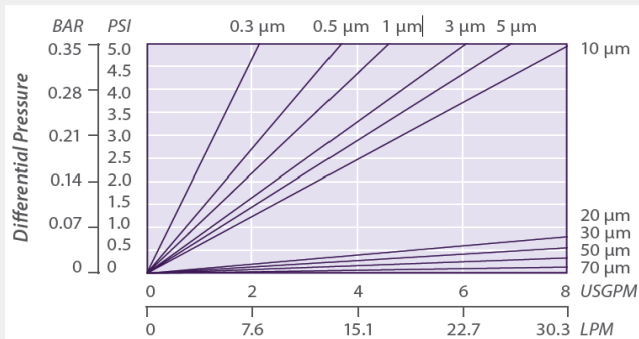
- USP Class VI: Meets USP Class VI Biological Tests for Plastics
- FDA Listed Materials: All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5 and 177.1520, as applicable for food and beverage contact.
- NSF 651: Certified to NSF/ANSI STD 61 for materials requirements only
- 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

PP7 NOMENCLATURE INFORMATION

Filter Type	Retention Rating (microns)	Nominal Length (inches)	End Configuration	Gasket or O-Ring
PP7	0.3	-5	-P (double open end)	B (Buna-N)
	0.5	-9.75	-P2 (226/flat single open end) -P3 (222/flat single open end)	E (EPDM)
	1	-10	-P6 (Self-seal spring on one end)	N (None)
	3	-19.5	-P7 (226/fin single open end) -P8 (222/fin single open end)	S (Silicone)
	5	-20	-N (none; cut ends)	T (Teflon encap. Viton, o-rings only)
	10	-29.25	-PX (extended core)	V (Viton)
	20	-30	-DBG (direct bonded santoprene gaskets)	
	30	-40	-AM (single open end, internal o-ring)	
	50			
	70			
	100			

PP7 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 1000 99.9%	Beta 100 99%	Beta 10 90%
0.3 µm	0.5	0.4	0.3
0.5 µm	0.6	0.5	0.4
1.0 µm	1.0	0.8	0.5
3.0 µm	3.0	2.3	1.4
5.0 µm	5.0	4.0	2.7
10 µm	10	7.0	4.0
20 µm	20	15	12
30 µm	30	20	14
50 µm	50	34	25
70 µm	70	50	39
100 µm	100	85	60



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