



These cartridges feature the latest technology in filter media. Layers of melt-blown and spun-bonded polypropylenes combine to produce nominal retentions from 0.1 micron to 30 micron. Polypropylene cartridges feature popular end cap styles which fit most standard and sanitary style housings. Ideal as low cost membrane prefilters, these high efficiency cartridges serve a wide range of applications.

SPECIFICATIONS:

MATERIALS OF CONSTRUCTION:*

- Media: Polypropylene
- Support Materials: Polypropylene
- Thermal Bonded End Caps: Polypropylene

DIMENSIONS:

- 2³/₄" or 2¹/₂" OD x 1"ID
- Nominal 5", 9.75", 10", 19.5", 20", 29.25", 30", 39", 40" lengths

NOMINAL MICRON RATINGS:

- 0.1, 0.2, 0.45, 1.0, 3.0, 10.0, 30.0
- Ratings derived from independent laboratory tests using latex bead suspensions and particle counter readings.

OPERATING CHARACTERISTICS:

- Maximum ΔP=60 psi at maximum recommended temperature of 140°F.
- Change out recommended at 30 psid.

EFFECTIVE FILTRATION AREA:

4½ square feet per layer per 10 inch length

**The materials used are acceptable for potable and edible liquid contact according to FDA CFR Title 21.*

ORDERING INSTRUCTIONS: Please use the chart below to determine the exact filter cartridge you require.

08PT	002	10	H	E
Polypropylene			Gasket Material	
Micron Rating			E = EPR V = Viton T = Teflon®	
00.1			S = Silicone N = Buna	
00.2			Cartridge Style	
00.4			H = DOE PP (Double Open End)	
01.0			J = 222 O-ring (Closed End)	
03.0			K = 222 O-Ring (Fin End)	
10.0			L = 226 O-ring (Closed End)	
30.0			M = 226 O-ring (Fin End)	
All with clear shroud			R = SOE 118 (Internal O-Ring)	
Nominal Cartridge Length (Inches)			T = SOE 020 (Gelman Style)	
5, 9.75, 10, 19.5, 20, 29.25, 30, 39, 40			X = Extended Core	

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H



J



K



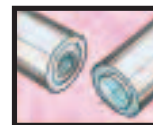
L



M



R



T



X



These cartridges feature the same high quality filter media as the all polypropylene series combined with self-gasketing FDA grade PVC endcaps. Typical applications for these economical cartridges include food and beverage, water purification, bottled water and cosmetics.

SPECIFICATIONS:

MATERIALS OF CONSTRUCTION:*

- Media: Polypropylene
- Support Materials: Polypropylene
- End Caps: Plastisol (self-gasketing PVC)

DIMENSIONS:

- 2³/₄" or 2¹/₂" OD x 1"ID
- Nominal 5", 9.75", 10", 19.5", 20", 29.25", 30", 39", 40" lengths

NOMINAL MICRON RATINGS:

- 0.1, 0.2, 0.45, 1.0, 3.0, 10.0, 30.0
- Ratings derived from independent laboratory tests using latex bead suspensions and particle counter readings.

OPERATING CHARACTERISTICS:

- Maximum ΔP=60 psi at maximum recommended temperature of 140°F.
- Change out recommended at 30 psid.

EFFECTIVE FILTRATION AREA:

4½ square feet per layer per 10 inch length

**All FDA Grade Materials*

ORDERING INSTRUCTIONS: Please use the chart below to determine the exact filter cartridge you require.

08P 002 10 D

Polypropylene	All with clear netting	Cartridge Style D = PVC Double Open End
Micron Rating		
00.1		
00.2		
00.4		
01.0		
03.0		
10.0		
30.0		

RETENTION SPECIFICATIONS

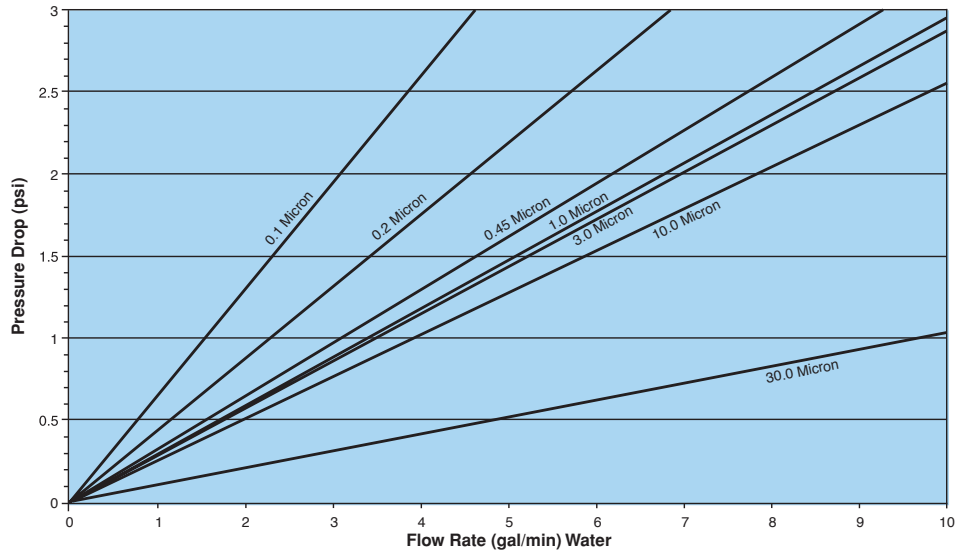
Ratings are based on laboratory tests using AC Fine Test Dust and Latex Spheres in water at a flow rate of 2.5 gpm per 10 inch cartridge at room temperature. Field results will be influenced by the type of fluid and contaminant as well as flow rate and temperature.

BETA RATIO is an alternate method of expressing efficiency.
Beta= 1/(1-Efficiency)

Nominal Micron Rating	Particulate Removal Efficiency			
	90%	99%	99.9%	99.99%
	Beta Ratio			
	10	100	1,000	10,000
0.1	0.1	0.45	0.8	1.0
0.2	0.2	0.6	1.0	2.0
0.45	0.45	1.0	2.0	3.0
1.0	1.0	3.0	7.0	10.0
3.0	3.0	7.0	10.0	15.0
10.0	7.0	10.0	15.0	25.0
30.0	30.0	40.0	50.0	60.0

LIQUID FLOW RATE

Polypropylene Filters-Flow vs. dP



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