BULLETIN 08-P

POLYPROPYLENE FILTER CARTRIDGES

MET PRO CORPORATION *Keystone Filter Division*

All Polypropylene

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
End Caps: Polypropylene

NOMINAL MICRON RATINGS:
0.1, 0.2, 0.45, 1.0, 3.0, 10.0, 20.0, 30.0
Ratings derived from independent laboratory tests using latex bead suspensions and particle counter readings.

EFFECTIVE FILTRATION AREA:
4½ square feet per layer per 10 inch length

DIMENSIONS:
2¾" or 2½" OD x 1"ID
Nominal 5",9.75", 10", 19.5", 20", 29.25", 30", 39", 40" lengths

OPERATING CHARACTERISTICS:
Maximum ΔP=60 psi at maximum recommended temperature of 140˚F. Change out recommended at 30 psid.

**All FDA Grade Materials*

Ordering Instructions

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

08P	002	10	H	E

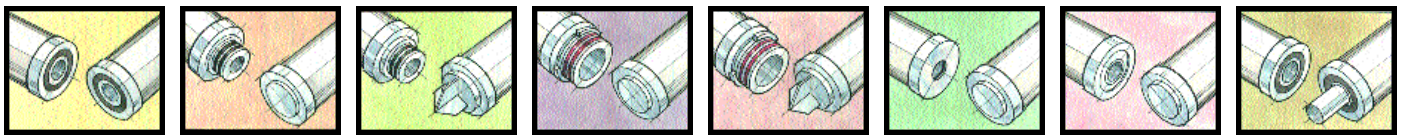
Polypropylene

Micron Rating (All with clear shroud)
00.1
00.2
00.4
01.0
03.0
10.0
20.0
30.0

Nominal Cartridge Length (Inches)
5, 9.75, 10, 19.5, 20, 29.25, 30, 39, 40

Gasket Material
E = EPR
S = Silicone
V = Viton
N = Buna
T = Teflon®

Cartridge Style
H = DOE PP (Double Open End)
J = 222 O-ring (Closed End)
K = 222 O-Ring (Fin End)
L = 226 O-ring (Closed End)
M = 226 O-ring (Fin End)
R = SOE 118 (Internal O-Ring)
T = SOE 020 (Gelman Style)
X = Extended Core



H J K L M R T X

Polypropylene with PVC

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)

NOMINAL MICRON RATINGS:
0.1, 0.2, 0.45, 1.0, 3.0, 10.0, 20.0, 30.0
Ratings derived from independent laboratory tests using latex bead suspensions and particle counter readings.

EFFECTIVE FILTRATION AREA:
4½ square feet per layer per 10 inch length

DIMENSIONS:
2¾" or 2½" OD x 1"ID
Nominal 5",9.75", 10", 19.5", 20", 29.25", 30", 39", 40" lengths

OPERATING CHARACTERISTICS:
Maximum ΔP=60 psi at maximum recommended temperature of 140˚F. Change out recommended at 30 psid

**All FDA Grade Materia*

Ordering Instructions

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

08P	002	10	D

08P — Polypropylene

002 — Micron Rating
00.1
00.2
00.4
01.0
03.0
10.0
20.0
30.0
All with clear netting

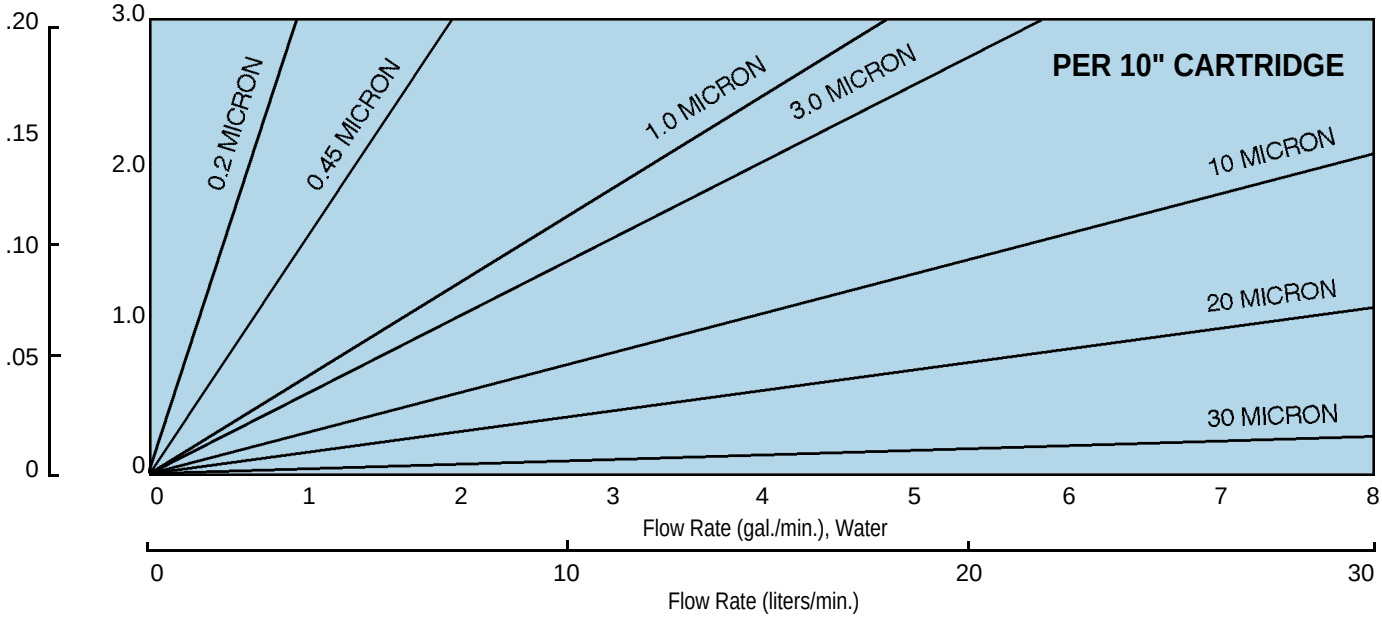
10 — Length

D — Cartridge Style
D = PVC Double Open End

Optional Bubble Point Testing

Keystone Filter offers Bubble Point test capability as an option for critical applications. Our state-of-the-art test stand provides verification of cartridges with common O-ring seals in 10, 20 and 30 inch continuous lengths.

Liquid Flow Rate



Retention Specifications

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
20.0	20.0	30.0	40.0	50.0
30.0	30.0	40.0	50.0	60.0

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)

 05-5538 398

MET PRO CORPORATION
Keystone Filter Division
2385 North Penn Road, Hatfield, PA 19440
1-800-822-1963; FAX 215-997-1839; E-mail: filters@keystone-filter.com
Web Sites:www.met-pro.com/Keystone.html
www.thomasregister.com/keystonefilter

Water Quality Association MEMBER