BULLETIN 08-HP

HIGH PERFORMANCE CELLULOSE FILTER CARTRIDGES

MET PRO CORPORATION *Keystone Filter Division*

Pleated phenolic impregnated cellulose cartridges for industrial applications

- High flow rate, high dirt holding capacity and low pressure drop create optimal system operation
- Cellulose media supported by polypropylene components
- Three removal ratings
- Available with PVC or polypropylene endcaps
- Extensive choice of endcap configurations allows for easy substitution in a variety of filter housings
- Pleated configuration
- Compatible with a wide range of industrial fluids

Typical Applications:

Chemical
- Aqueous ammonia solutions
- Organic solvents
- Plastics processing feed chemicals
- Silicone fluids

Coatings, Paint, Ink & Resins
- Emulsions
- Monomers
- Printing Inks

Electronic
- Deionized water prefilter
- Photoresists

OilField
- Completion fluids
- Gas scrubbing amines
- Water flooding

Petroleum
- Fuel oil
- Lubrication oil

Photographic Film & Paper
- Developer chemicals
- Emulsions
- Gelatins

Process Water
- Boiler Feed
- Cooling
- Reverse osmosis prefilter
- Washing

Specifications:

MATERIALS OF CONSTRUCTION:
Media: Cellulose/Microfiberglass
Support Materials: Polypropylene
Netting: Clear Polypropylene
Center Core: Polypropylene or Polyester (Optional)
End Caps: Polypropylene, Plastisol (Self-gasketing PVC) or Polyester (Optional)

NOMINAL MICRON RATINGS:
2.0, 10.0, 20.0

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

DIMENSIONS:
2¾" or 2½" OD x 1"ID
Nominal 10", 20", 30", 40" lengths

OPERATING CHARACTERISTICS:
Maximum ΔP=60 psi at maximum recommended temperature of 125˚F. Change out recommended at 30 psid.

Retention Specifications

Nominal Micron Rating	Material	LIQUID SERVICE			Clean Pressure Drop
		Particulate Removal Efficiency			
		90%	99%	99.9%	
		Beta Ratio			
		10	100	1,000	
2.0	Cellulose/Microfiberglass	2.0	5.0	10.0	0.35
10.0	Cellulose	10.0	16.0	20.0	0.1
20.0	Cellulose	20.0	30.0	45.0	<0.1

Ratings are based on laboratory tests using AC Fine Test Dust 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)

Ordering Instructions

08HP 020 10 H E

High Performance Cellulose

Micron Rating

02.0
10.0
20.0

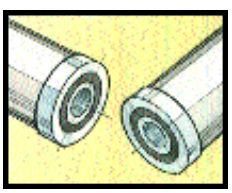
All with clear netting

Nominal Cartridge Length (Inches)
10, 20, 30, 40

Gasket Material
E = EPR
S = Silicone
V = Viton
N = Buna

Note: Cartridge Style 'D' (see below) is self-gasketing

Cartridge Style
D = PVC (Double Open End)
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)
X = Extended Core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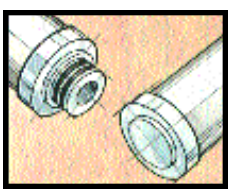
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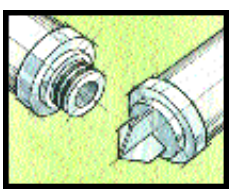
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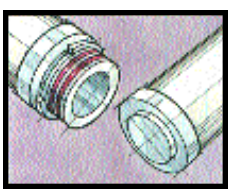
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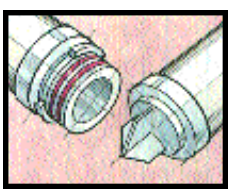
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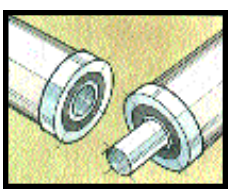
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Water Quality Association