

MicroSentry™ MEE Series

Economical Pleated Filter Cartridges



- High surface area provides greater dirt-holding capacity, lower initial pressure drop and longer change-out intervals
- Constructed of layers of economical polyester and polypropylene blended media, laminated to provide depth filtration
- Best alternative to string wound, resin-bonded or spun cartridges
- No resin binders to break down and contaminate the filtrate
- 100% synthetic fibers with no surfactants that cause foaming
- Available in standard 2 5/8" and 4 1/2" (BB Style) diameter configurations
- Washable and reusable - significantly reduces filtration costs (20 micron and larger)

Applications

RO Prefilters	Food & Beverage
Plating Solutions	Microelectronics
Electronics	Oil / Gas
Chemicals	Paint/Inks
Water & Wastewater	Cosmetics

Specifications & Operating Parameters

Pore Sizes

0.35, 1A, 1, 5, 10, 20, 50 microns

Nominal Lengths

9.75", 10", 19.5", 20", 29.25", 30", 40"

Materials of Construction

Filter Media: Polyester / Polypropylene blend

Core: Polypropylene

End caps: Plastisol

Maximum Temperature

140°F (60°C)

Recommended Change-out Differential Pressure

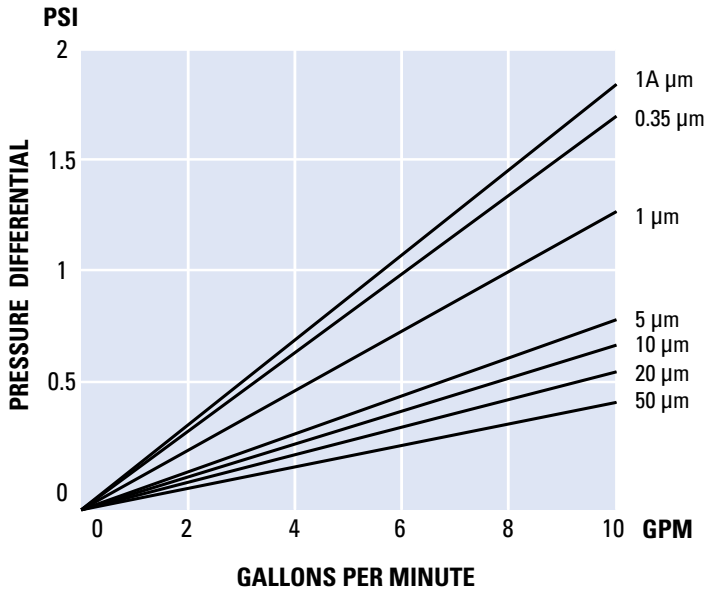
20 psid (1.4 bar)

FDA Compliance

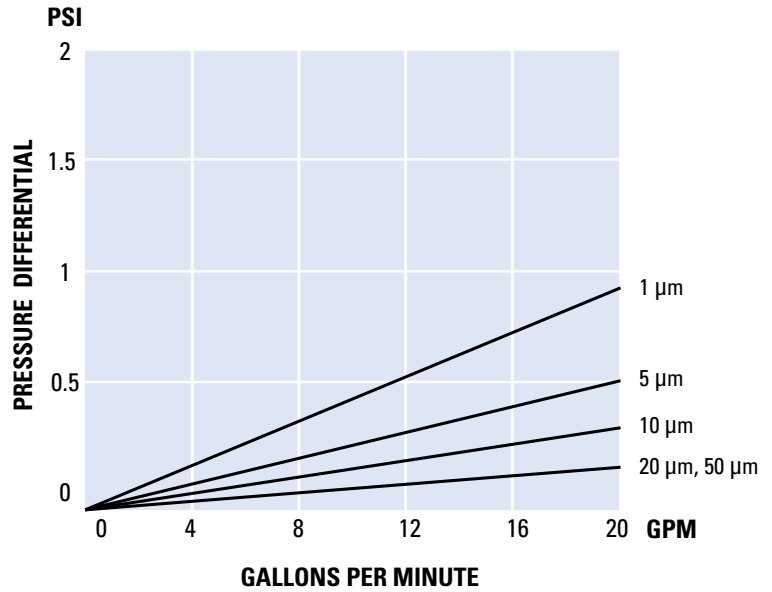
MEE products are manufactured of materials with no additives or other manufacturing agents. All materials used in the production of these cartridges meet the requirements of FDA Title 21 of The Code of Federal Regulations.

Filter Removal Efficiency

**Flow vs. Pressure Drop
2.5" OD Cartridges**



**Flow vs. Pressure Drop
4.5" OD Cartridges**



This chart represents the typical flow rate per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolations for multiple lengths tend to be linear, but as flows increase the differential pressure across the housing becomes more apparent.

Ordering Guide (Example: MEE5-10)

MEE	5	-	10	
PRODUCT CODE	MICRON		LENGTH	OD
MEE	0.35 1A 1 5 10 20 50		975 = 9 3/4" 10 = 10" 195 = 19.5" 20 = 20" 294 = 29 1/4" 30 = 30" 40 = 40"	Blank = 2 5/8" BB = 4.5"

Filter Housings

Shelco manufactures a full line of filter housings. From our rugged single cartridge housings to our heavy duty multi-cartridge housings and bag filter housings, Shelco is the perfect choice for your filtration solutions.