

# M Series High Efficiency Pleated Paper Filter Cartridges



## BENEFITS

- Higher efficiency and longer service life = lower operating costs
- High efficiency cartridge provides superior solids holding capacity
- New spirally wound core reduces cartridge weight resulting in lower freight costs
- All metal components are epoxy powder coated to protect against corrosion
- Gaskets are Buna-N-other materials available upon request
- Available in both self-centering rod mount and screw base
- Available in numerous micron ratings: 0.5, 1, 2, 5, 10, 15, 25, 40, and 75
- Flow direction: Outside to In
- Design collapse pressure: 75 psid (5.25 kg/cm<sup>2</sup>)
- Initial differential pressure: 2 psi (014 kg/cm<sup>2</sup>) or less

## DESCRIPTION

Facet **M Series** high efficiency pleated paper filter cartridges are designed to effectively remove solid contaminants such as rust, dirt, scale, granular and other types of solids. These cartridges known as the **MP Series** high efficiency filter cartridges are constructed to meet the demanding requirements of the industrial filter market. Media with high efficiencies throughout the life of the cartridges are available in ratings of 0.5 to 75 microns. The filtration of potable liquids is not recommended with this series of filter cartridges.

Facet also offers a **MPM Series** multimedia, pleated extended area, depth filter cartridge for removing colloidal, slimy, or sludge type solids, as well as extremely fine solids, from process streams. They are available in 0.5, 1, and 2 micron ratings. The combination of multimedia pleated paper fiberglass sheets provides a unique depth filter with a large surface area.

Our pleated paper filter media is made from a variety of natural and synthetic fibers. The fibers are bonded using various resins to provide excellent filtration and solids holding characteristics.

## APPLICATIONS

- Fuels
- Rolling Oils
- Insulating Oils
- Paints
- Liquid Plastics
- Waxes
- Lube Oils
- Coolants
- Industrial Water
- Varnishes
- Base Oils
- Solvents (Stoddard Based)
- Petroleum Based and Synthetic Hydraulic Fluids

*Due to our continuing program of improvement, specifications are subject to change without notice.*

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## PERFORMANCE SPECIFICATION

NOMINAL REMOVAL									
MICRON	0.5	1	2	5	10	15	25	40	75
MPM	•	•	•						
MP	•	•	•	•	•	•	•	•	•

## MATERIALS OF CONSTRUCTION

### FILTER MEDIA OPTIONS:

0.5-2 $\mu$ m:	Multimedia Pleated Paper & Fiberglass
5-75 $\mu$ m:	Resin Impregnated Pleated Paper

### GASKET MATERIALS:

Standard:	Buna-N
Optional:	Other materials available upon request

### COMPONENTS:

Center Core:	Epoxy Powder Coated Spiral Wound Steel
End Caps:	Epoxy Powder Coated Steel
Outer Body:	Perforated Oil Board

**ADHESIVES:** Thermoset PVC

## FILTER SIZES AND DIMENSIONS

SERIES	OD (inches)	ID (inches)	LENGTH (inches)
MPM $\mu$ L	6	3 1/2	14 1/2
MP $\mu$	6	3 1/2	14 1/2
MP $\mu$ L	6	3 1/2	14 1/2
MPM $\mu$ LX2	6	3 1/2	28 3/4
MP $\mu$ X2	6	3 1/2	28 3/4
MP $\mu$ LX2	6	3 1/2	28 3/4
MPM $\mu$ LX3	6	3 1/2	43 1/4
MP $\mu$ X3	6	3 1/2	43 1/4
MP $\mu$ LX3	6	3 1/2	43 1/4
MP $\mu$ LX4	6	3 1/2	57 3/4

Note: The dimensions are nominal. These are standard sizes. Many other sizes and combinations are available. Please call us for special sizes.

$\mu$  = Micron rating

## TEMPERATURE/COMPATIBILITY GUIDE

MEDIA	MAXIMUM TEMPERATURE	pH RANGE	PETROLEUM PRODUCTS	CHEMICALS	AQUEOUS SOLUTIONS
Multimedia	240 °F	5-9	Excellent	Good	Fair
Pleated Paper	240 °F	5-9	Excellent	Good	Fair

## CARTRIDGE ORDERING INFORMATION

SERIES	MICRON RATING	OUTER BODY DESCRIPTION	LENGTH	SPECIAL FEATURES
MPM	0.5	L	X2	
MP	5		X3	SB
	0.5, 1, 2, 5, 10, 15, 25, 40, 75	L = Outer Body No designation = No Outer Body	No Designation = 14 1/2" X2 = 28 3/4" X3 = 43 1/4" X4 = 57 3/4"	SB = Screw Base V = Viton Gasket J = Non Asbestos Gasket N = Neoprene Gasket

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