

# FiberFlo™ “PM” Pleated Cartridge Filters

- ✓ Hydrophobic membrane
- ✓ Absolute rated
- ✓ Homogenous high purity media
- ✓ Rigorous quality standards
- ✓ Economical filtration
- ✓ Long service life

FiberFlo “PM” polypropylene cartridges are absolutely rated cartridge filters. Made of polypropylene membrane, the filters have an increased surface area with excellent flow rates per 10 inch lengths. Their compatibility with a broad range of chemicals makes them suitable for the filtration of acids, bases, water and solvents. The hydrophobic nature of the membrane makes “PM” filters an economical alternative to PTFE membrane filters in air, process gas and vent filter applications.

## Dependable Performance

FiberFlo “PM” cartridges consist of a polypropylene membrane with thermally bonded polypropylene components to provide a very durable filter with a single material of construction.

The unique hydrophobic polypropylene membrane contains no surfactants or surface wetting agents. Manufactured under QSR, the filters are 100% integrity tested in manufacturing to ensure consistent and reliable performance, and rinsed with 17+ magohm cm water to remove any manufacturing debris.

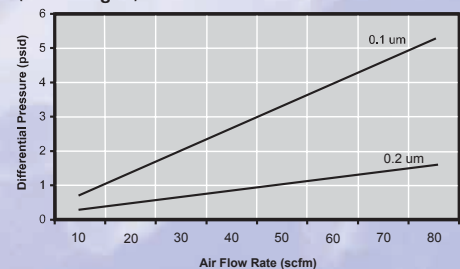
All FiberFlo “PM” cartridges pass USP XXI class VI plastic tests as well as tests for cytotoxicity, hemolysis and pyrogenicity.

## Applications

- Final filtration for high purity process chemicals
- Economical air or process gas filtration
- Tank vent filtration

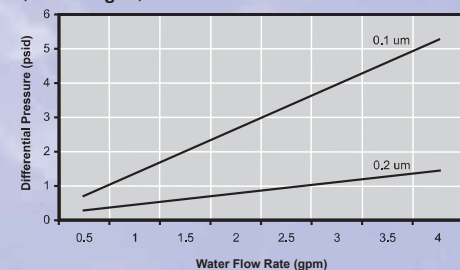
## Typical Air Flow Rate

(10" length)



## Typical Water Flow Rate

(10" length)



## Specifications

Filter Media:	Pleated Polypropylene Membrane
Membrane Support, Core Tube and End Caps:	Polypropylene
Sealing Technology:	Thermal Bonding
Endotoxins:	Less than 0.5 EU/ml
Biosafety:	All components meet or exceed USP Class VI-121 <sup>0</sup> plastic tests
Oxidizable Substances:	Filtrate meets or exceeds USP XXI requirements for purified water after 1 liter flush
O-Ring:	Silicone
O-Ring Color:	Red

## Cartridge Dimensions

Nominal Length*	Filtration Area
10 inch	7.0 ft <sup>2</sup> / 0.65 M <sup>2</sup>
20 inch	14.0 ft <sup>2</sup> / 1.3 M <sup>2</sup>
30 inch	21.0 ft <sup>2</sup> / 1.95 M <sup>2</sup>
40 inch	28.0 ft <sup>2</sup> / 2.6 M <sup>2</sup>

\*Actual overall length of cartridge will vary depending on configuration. Cartridge performance is as specified regardless of configuration.

Outside Diameter: 2.77 in / 7 cm

## Max. Differential Pressure

50 p.s.i. (4.1 bar) at 77°F (25°C) pressure drop across filter.

## Pore Sizes

0.1 & 0.2 microns.

## Operating Characteristics

### Typical Water Flow Rate

Pore Size	Gpm/psid/ 10 inch length	Lpm/0.1 bar/ 10 inch length
0.1 µm	0.75	2.8
0.2 µm	2.75	10.4

### Typical Air Flow Rate

Pore Size	scfm/psid/ 10 inch length	m <sup>3</sup> /psid/hour 10 inch length
0.1 µm	15	25.5
0.2 µm	50	85.0

## Max. Operating Pressure

120 p.s.i. (7 bar) at inlet.

## Max. Operating Temperature

80° C/176° F

## Recommended Integrity Test

Pore Size	Diffusional Flow cc/min @ Test Pressure per 10" length*
0.1 µm	≤30 cc/min @ 40 psi (2.76 bar)
0.2 µm	≤30 cc/min @ 35 psi (2.41 bar)

\* Using water wet membrane.

Call: (800) 328-3370  
www.minntech.com



**MINNTECH**<sup>®</sup>  
FILTRATION TECHNOLOGIES GROUP

Minntech Corporation  
14605 29th Avenue North  
Minneapolis, MN 55447-4822  
U.S.A.  
Tel: (763) 553-3370  
Toll Free: (800) 328-3370  
Fax: (763) 553-3587

Minntech B.V.  
Sourthweg 11  
6422PC Heerlen  
The Netherlands  
Tel: (31) 45 5 471471  
Fax: (31) 45 5 423695  
www.minntech.com

Minntech Japan Corporation  
4F Sumitomo Seimei Yochomachi Bldg.  
10-10 Yochomachi, Shinjuku-ku  
Tokyo 162-0355  
Japan  
Tel: (81) 3 (3225) 8680  
Fax: (81) 3 (3225) 8681

Minntech International  
Singapore Representative Office  
No. 138 Robinson Road  
#1E-09/1C The Corporate Office  
Singapore 068906  
Tel: +65 6227 9698  
Fax: +65 6225 6846