

# Fulflo® Poly-Mate™ Plus

## Pleated Filter Cartridges



### High Surface Area and High Efficiency All-Polypropylene Pleated Cartridges

Fulflo® Poly-Mate™ Plus Cartridges, made of pleated polypropylene microfibre, provide high efficiency and high purity filtration. The high efficiency of the Poly-Mate™ Plus line makes it an ideal membrane pre-filter or cost-effective alternative to membrane cartridges in a wide range of applications.



### Applications:

- Chemicals
- Electronic
- Deionised Water
- Food & Beverage
- Process Water
- Membrane Pre-Filter
- Cosmetics
- Plating Chemicals

### Product Features:

- All components are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- Fixed pore construction provides ultimate particle retention
- Poly-Mate™ Plus cartridges are non-fibre releasing and ensure consistent quality filtration performance
- One-piece integral construction
- High surface area design provides superior flow rates and extended service life
- All components comply with biological, USP XXI Class VI requirements for plastic and are nontoxic per WI-38 Human Cell Cytotoxicity Test

# Fulflo® Poly-Mate™ Plus

## Specifications

### Filtration Rating

90% at specified micron rating

### Materials of Construction

Filter Media: Polypropylene  
 Support Layers: Polypropylene  
 Support Cage: Polypropylene  
 Support Core: Polypropylene

### Dimensions

OD: 68.6 mm  
 ID: 25.4 mm

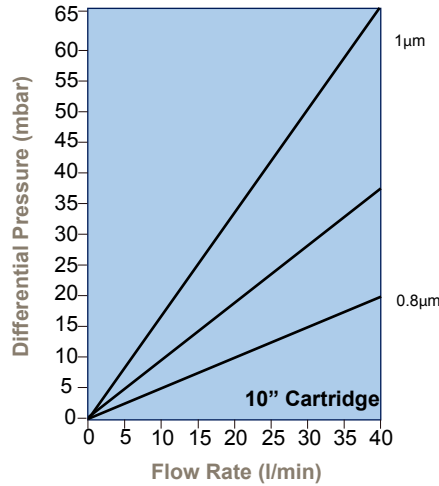
### Maximum Operating Conditions

Max Temperature: 93°C at 1.4 bar  
 Max Pressure: 4.8 bar at 28°C  
 2.4 bar at 71°C  
 Max Flow Rate: 38 l/min per 10"

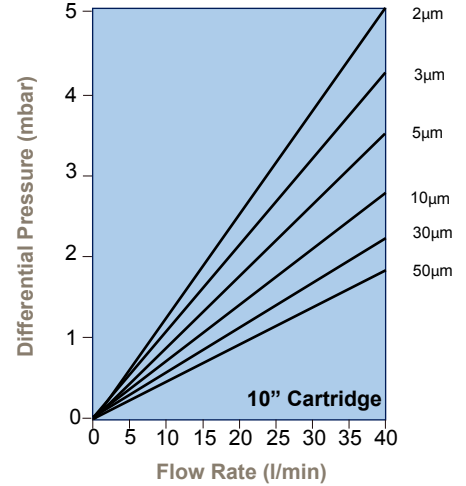
### Recommended Operating Conditions

Change-Out Pressure: 2.4 bar  
 Flow Rate: 9.5 l/min per 10"

Flow rate vs. ΔP  
 (1 cks liquid @ 23°C)



Flow rate vs. ΔP  
 (1 cks liquid @ 23°C)

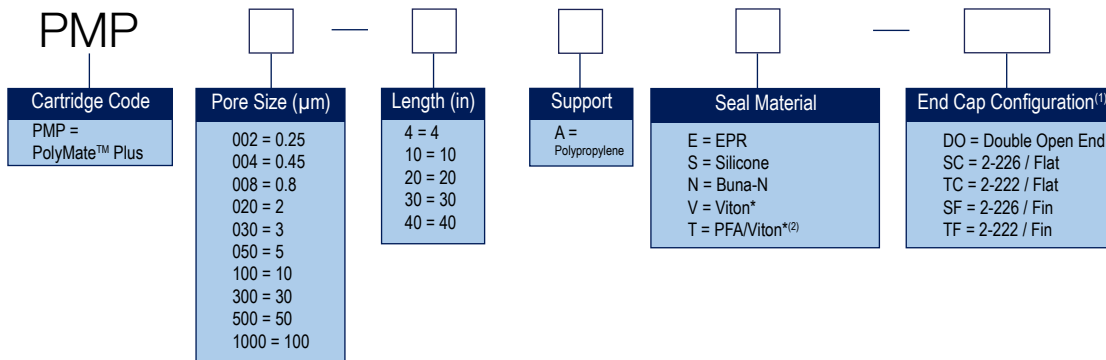


Cartridge Code	90%	95%	98%	99.9%	99.98%
PMP002	0.30	0.45	0.90	1.6	2.2
PMP004	0.45	0.75	1.4	2.9	3.1
PMP008	0.8	1.5	3.2	8.0	9.2
PMP020	1.7	3.1	8.6	9.5	15.0
PMP030	3.0	4.6	6.1	11.0	12.0
PMP050	5.0	8.4	10.6	12.0	14.0
PMP100	10.0	12.0	15.0	17.0	21.0
PMP300	15.0	24.0	35.0	44.0	52.0
PMP500	50.0	56.0	62.0	68.0	71.0
PMP1000	100.0	109.0	117.0	126.0	138.0

### Flow Factor Table\*\*

Poly-Mate Plus	0.25µm	0.45µm	0.8µm	2µm	3µm	5µm	10µm	30µm	50µm	100µm
Flow factor (mbar / l/min @ 1cks)	1.6398	0.9657	0.5284	0.1239	0.1093	0.0875	0.0729	0.0547	0.04555	0.0364

## Ordering Information:



1 - More options available, please consult with manufacturing

2 - O-Rings Only

\* - Trademark of E.I. duPont de Nemours & Co.

\*\* - Flow factor required for sizing. Refer to page 62 for further information



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**Map and Directions to Prosep Filters Limited**



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)