

Fulflo® Poly-Mate™

Pleated Filter Cartridges



High Retention Polyethersulfone Membrane Cartridge

Parker's Poly-Mate™ Cartridges incorporate a unique combination of polypropylene melt blown and spun-bonded media to provide high surface area, finish-free and non-fibre releasing filtration. All-polypropylene construction maximises chemical resistance to acids, bases, salts and most organic solvents.

Poly-Mate™ Pleated Cartridges are available in 0.5µm, 1µm, 5µm, 10µm, 30µm, and 60µm pore sizes (99% removal; $\beta = 100$)



Applications:

- Food & Beverage
- High-Technology Coatings
- Deionised Water
- RO Membrane pre-filtration
- Process Water
- Fine Chemicals
- Waste water
- Plating Chemicals

Product Features:

- High pleated surface area for extended service life, low pressure drop and high flow capacity
- Poly-Mate™ Xtra Duty™ (PXD) cartridge features glass-filled polypropylene core for high temperature and high pressure use with rigid outer cage supporting pleated media in backwash applications.
- Optional stainless steel O-ring adaptor inserts provide added strength for in-situ sterilisation
- All components are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- One piece, continuous to 40" length, integrally sealed pleated filter media

Fulflo® Poly-Mate™

Specifications

Filtration Rating

99% at specified micron rating

Materials of Construction

Poly-Mate™ (PM)

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

Poly-Mate™ Xtra Duty™ (PXD)

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

Dimensions

OD: 68.6 mm

ID: 25.4 mm

Maximum Operating Conditions

Poly-Mate™ (PM)

Max Temperature: 93°C at 0.7 bar

Max Pressure: 4.1 bar at 21°C

2.4 bar at 52°C

Max Flow Rate: 38 l/min per 10"

Poly-Mate™ Xtra Duty™ (PXD)

Max Temperature: 93°C at 2.4 bar

Max Pressure: 6.1 bar at 21°C

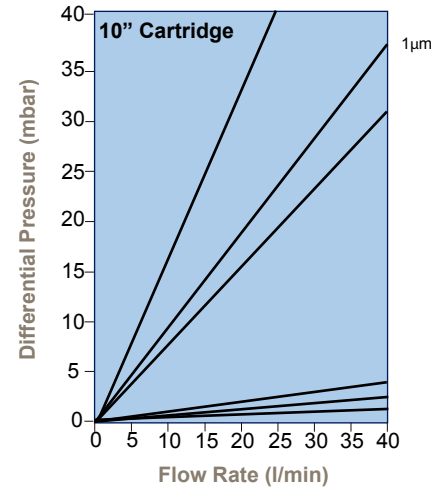
Max Flow Rate: 38 l/min per 10"

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)

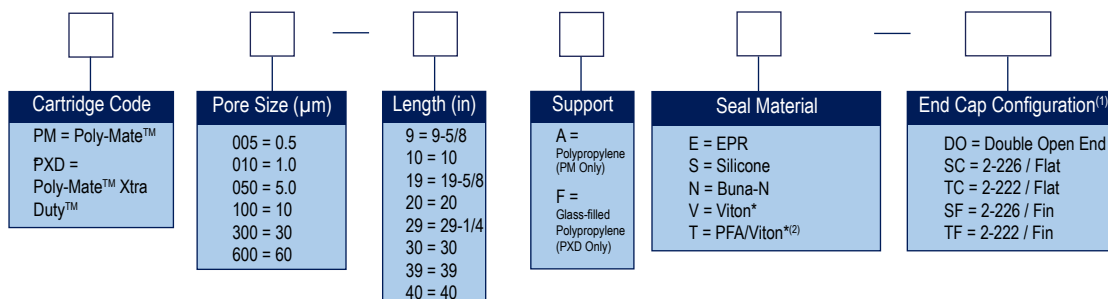


Flow Factor Table**

Poly-Mate / Poly-Mate Xtra Duty	0.5µm	1µm	5µm	10µm	30µm	60µm
Flow factor (mbar / l/min @ 1cks)	1.6398	0.9657	0.5284	0.1239	0.0875	0.0547

Cartridge Code	99.98%	99.9%	99%	98%	95%	90%
PM/PXD005	3	3	0.5	0.25	<0.1	<0.1
PM/PXD010	5	4.5	1.0	0.5	0.2	<0.1
PM/PXD050	15	10	4	2.0	0.7	0.25
PM/PXD100	30	28	10	6	3	1.2
PM/PXD300	45	43	30	18	8	4.5
PM/PXD600	95	90	50	40	20	12

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](#)