

FulFlo® Abso-Mate™

Pleated Filter Cartridges



Absolute, Cost-Effective Filtration from All Polypropylene Cartridges

Fulflo® Abso-Mate™ Cartridges provides the ultimate in economical filtration for even the most critical process fluids. The proprietary melt blown media are rigidly controlled for reliable results time after time. Abso-Mate™ cartridges are produced without adhesives that can potentially contaminate fluids. Absolute ratings for consistent and reliable performance (99.98%; $\beta = 5000$).



Applications:

- Water
- Electronics
- Membrane Prefilter
- Food & Beverage
- Chemicals
- Precious Metal Recovery
- Catalyst Recovery
- Pharmaceutical intermediates

Product Features:

- All components are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- Non-fibre releasing per FDA Part 210.3B (5) and (6)
- Meets USPXXI VI requirements for plastics
- Backwashable media reduces replacement maintenance and cartridge disposal costs.
- One-piece construction eliminates bypass concerns on multi-length cartridges
- Non-toxic per WI-38 Human Cell Cytotoxicity Test

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Specifications

Filtration Rating

99.98% at specified micron rating

Materials of Construction

Filter Media: Polypropylene
 Support Layers: Polypropylene
 Support Cage: Polypropylene
 Support Core: Glass-filled Polypropylene

Dimensions

OD: 68.6 mm
 ID: 25.4 mm

Maximum Operating Conditions

Max Temperature: 80°C at 2.1 bar
 Max Pressure: 4.8 bar at 25°C
 2.1 bar at 80°C
 Max Flow Rate: 38 l/min per 10"

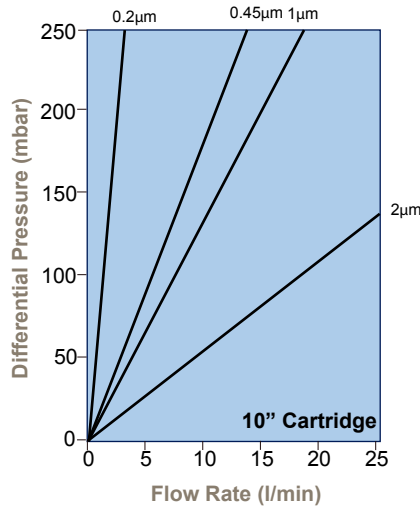
Recommended Operating Conditions

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

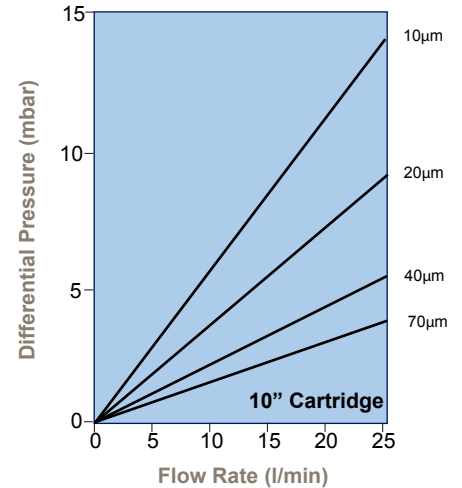
Sterilisation Parameters

Maximum 10 cycles at 121°C for 15 minutes at 1.3 bar
 Hot Water at 82°C for 30 minutes

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



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

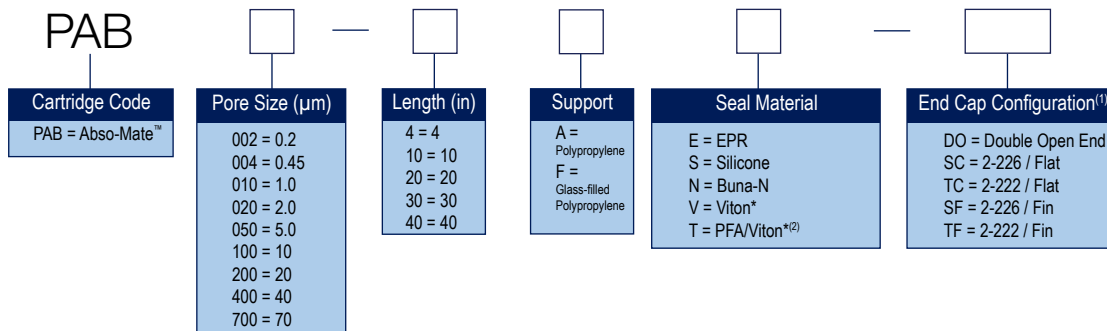


Cartridge Code	99.98%	99.9%	99%	98%	95%
PAB002	0.2	<0.2	<0.2	<0.2	<0.1
PAB004	0.45	0.4	0.2	<0.2	<0.1
PAB010	1.0	0.8	0.4	<0.2	<0.1
PAB020	2.0	1.9	0.8	<0.2	<0.1
PAB050	5.0	3.8	1.4	0.4	0.15
PAB100	10	7.0	2.0	0.5	0.25
PAB200	20	13	4.0	1.8	0.35
PAB400	40	22	7.0	3.2	0.8
PAB700	70	52	22	15	5.5

Flow Factor Table**

Abso-Mate	0.2µm	0.45µm	1µm	2µm	5µm	10µm	20µm	40µm	70µm
Flow factor (mbar / l/min @ 1cks)	56.4820	18.2200	13.6650	5.4660	1.3118	0.5648	0.3826	0.2186	0.1458

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](#)