

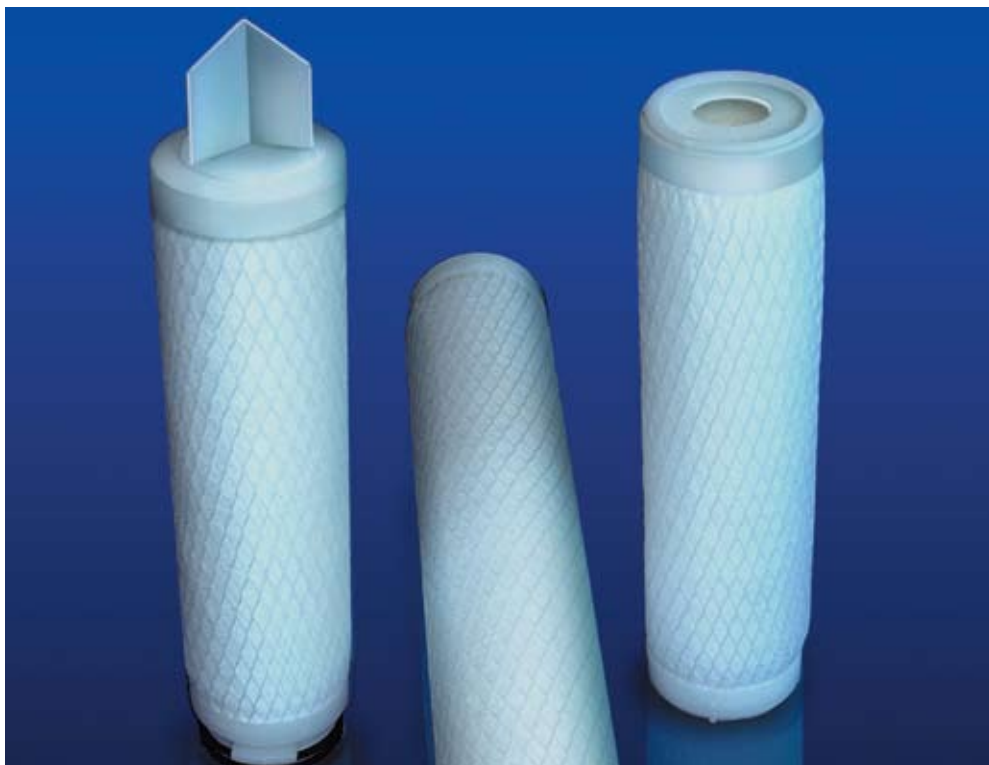
MegaBond™ Plus

Depth Filter Cartridges



Fixed Pore Structure Depth Cartridges with High Dirt Holding Capacity & Absolute Rated Filtration Efficiency

MegaBond™ Plus cartridges are absolute rated depth filters. Using a new innovative manufacturing process, the MBP has higher dirt holding capacities offering long service life and virtually no contaminant migration. It also has a fixed core inner structure of thermally bonded continuous microfibre polypropylene fibres. The outer layer fixed pore structure has been modified to maximise the graded density surface area to enhance dirt holding capacity. MegaBond™ Plus cartridges are available in absolute ($\beta = 5000$) ratings of 1 to 120 micron



Applications:

- High Technology
- Coatings
- Deionised Water
- Plating Solutions
- Food & Beverages
- Membrane Pre-filtration
- Chemical Processing

Product Features:

- All components are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21
- Non-fibre releasing, continuous fibre matrix
- No surfactants or binders present; no foaming
- Pore sizes do not change as ΔP increases; consistent particle retention
- Superior inter-layer bonding eliminates contaminant unloading and channelling
- Pore sizes are achieved using fibres of differing diameters and maintaining uniform density throughout the cartridge
- Fixed pore structure provides absolute rated media

MegaBond™ Plus

Specifications

Filtration Rating

99.98% at specified micron rating

Materials of Construction

Filter Media: Melt-blown Polypropylene
Support Core: Polypropylene
End Caps: Polypropylene

Dimensions

OD: 65.8 mm
ID: 25.4 mm

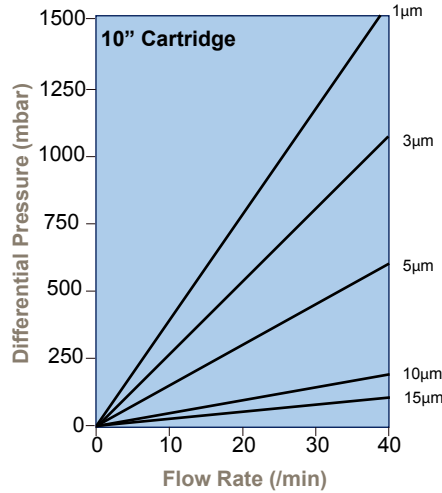
Maximum Operating Conditions

Max Temperature: 93°C at 1 bar
Max Pressure: 4.1 bar at 27°C
2.4 bar at 71°C
Max Flow Rate: 38 l/min per 10"

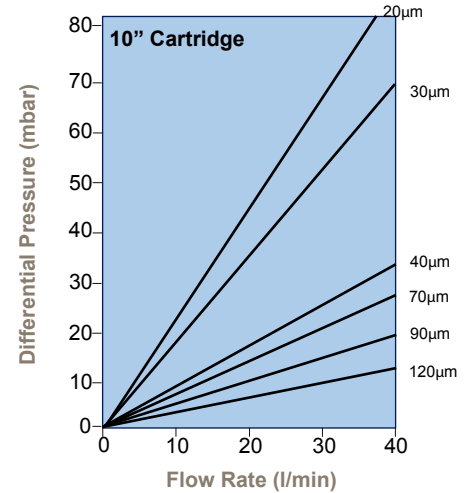
Recommended Operating Conditions

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)

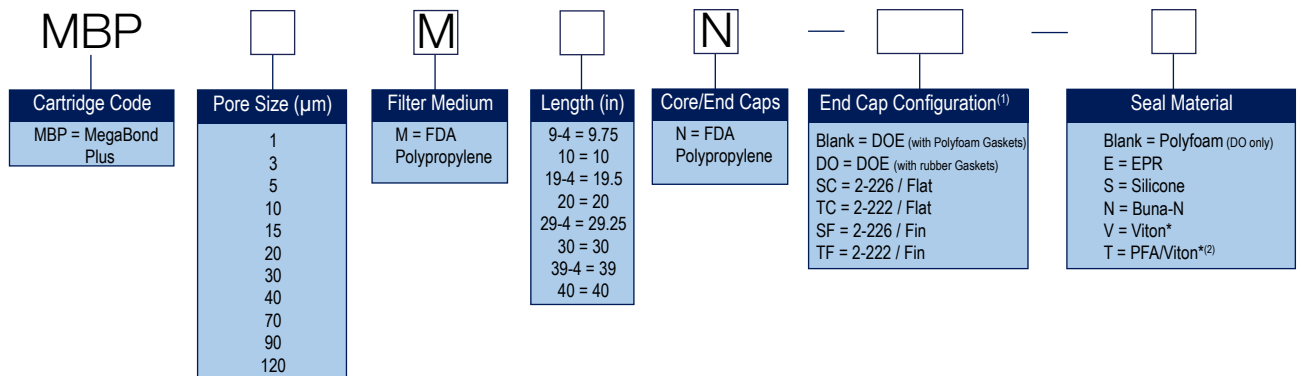


Cartridge Code	99.98%	99.9%	99%	98%	95%
MBP1	1	0.9	0.5	0.4	0.2
MBP3	3	2.8	1.9	1.7	0.8
MBP5	5	3.7	2.3	1.6	1.2
MBP10	10	9.1	8.0	7.8	6.7
MBP15	15	12	9.6	8.9	7.2
MBP20	20	18	13	12	8.7
MBP30	30	25	20	18	13
MBP40	40	35	28	25	18
MBP70	70	60	48	42	30
MBP90	90	80	72	63	48
MBP120	120	105	95	85	70

Flow Factor Table**

MegaBond	1µm	3µm	5µm	10µm	15µm	20µm	30µm	40µm	70µm	90µm	120µm
Flow factor (mbar / l/min @ 1cks)	39.5374	29.152	16.398	5.8304	2.9152	2.1864	1.822	0.911	0.8199	0.7288	0.5466

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



PROSEP FILTER SYSTEMS LTD
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Elland
West Yorkshire
HX5 9DN

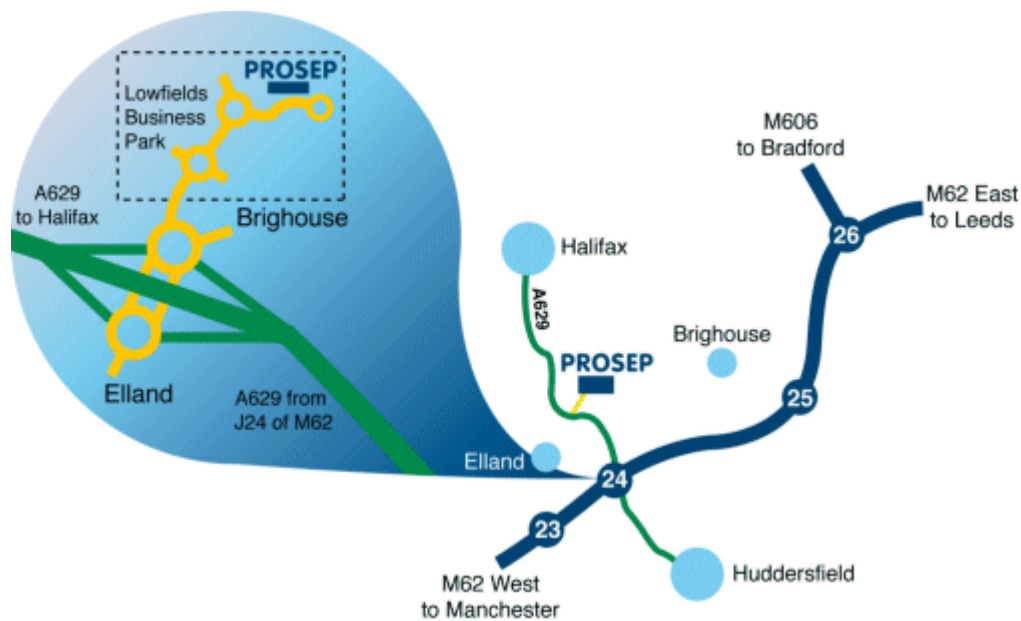
Tel: 01422 377367

Fax: 01422 377369

Email: enquiries@prosep.co.uk

www.prosep.co.uk

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](#)