

Avasan™

Depth Filter Cartridges



High Purity Melt Blown Depth Cartridges

Avasan™ (AVS) cartridges are manufactured with Parker's proprietary melt blown manufacturing process using a specially formulated polypropylene polymer.

This formulation provides a uniquely graded density filter cartridge designed for high purity applications. The fibre matrix of the cartridge has been engineered to provide structural integrity throughout the long service life of the cartridge and the finish-free construction provides optimum fluid purity and eliminates foaming.

Avasan's inherent fluid compatibility properties plus graded density make it the economical filter choice for high clarity requirements.



Applications:

- Deionised Water
- RO Prefiltration
- Food & Beverages
- Potable Water

Product Features:

- Fixed pore construction provides consistent product quality and particle retention
- Continuous bonding of fibres ensures non-fibre releasing construction
- Superior inter-layer bonding provides three-dimensional filtration and a construction that does not compress with increasing pressure
- Finish-free construction provides optimum fluid purity and eliminates foaming
- All materials biosafe in accordance with USP Class VI-121°C Plastic Test
- All materials listed as acceptable for potable and edible contact according to CFR Title 21

Avasan™

Specifications

Filtration Rating

90% at specified micron rating

Materials of Construction

Filter Media: Melt-blown Polypropylene
Support Core: Coreless
End Caps: Polyolefin copolymer

Dimensions

OD: 62 mm
ID: 27 mm

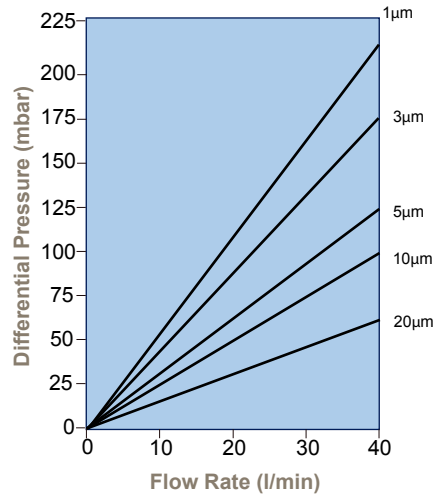
Maximum Operating Conditions

Max Temperature: 60°C at 1.4 bar
Max Pressure: 2.7 bar at 27°C
Max Flow Rate: 38 l/min per 10"

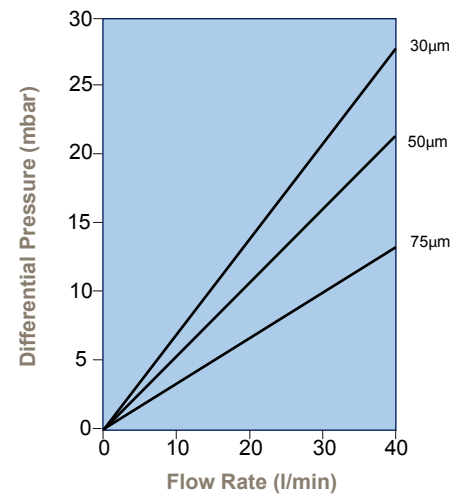
Recommended Operating Conditions

Change-Out Pressure: 2.1 bar
Flow Rate: 9.5 l/min per 10"

Flow rate vs. ΔP
(1 cps liquid @ 20°C)



Flow rate vs. ΔP
(1 cps liquid @ 20°C)



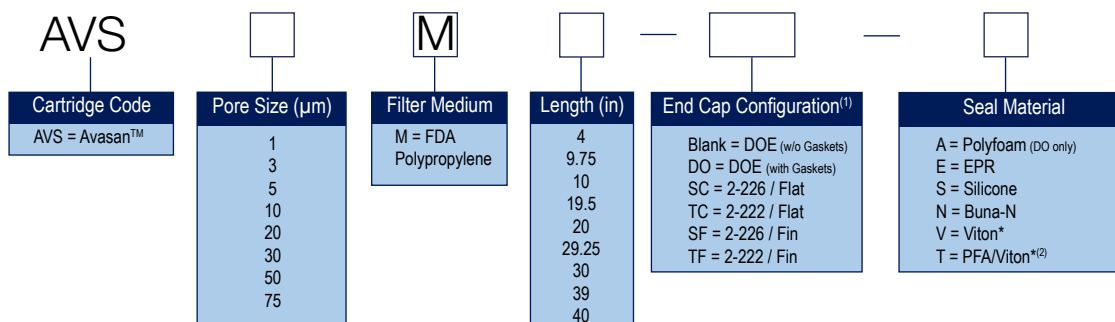
Nominal Rating/Density Number Equivalent Table

Density Number	6R	8R	10R	11R	12R	13R	14R	15R	17R	19R	21R	23R	27R	39R	blank
Rating (µm)	150	100	75	50	40	30	25	20	15	10	7	5	3	1	0.5
Baked Glass Rating (µm)	40	30	20	-	15	-	-	10	-	5	-	3	1	0.5	-

Flow Factor Table**

Avasan	1µm	3µm	5µm	10µm	20µm	30µm	50µm	75µm
Flow factor (mbar / l/min @ 1cks)	0.714224	0.595794	0.44639	0.38262	0.23686	1.02032	0.073973	0.05794

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](#)