

Avasan™ Filter Cartridges

High-purity melt blown depth cartridges

Avasan™ (AVS) cartridges are manufactured with a 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 fiber 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.



Benefits

- Continuous bonding of fibers throughout the filter matrix ensures non-fiber releasing construction
- Superior inter-layer bonding provides true three dimensional filtration & a construction that does not compress with increasing pressure
- Pure polypropylene construction
- Finish-free construction provides optimum fluid purity and eliminates foaming
- Graded density construction provides built-in pre-filtration and longer life
- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21

Applications

- DI Water
- R.O. Pre-filtration
- Potable Water
- Plating Solutions
- Chemical Processing Fluids

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Avasan™ Filter Cartridges

SPECIFICATIONS

Materials of Construction

Filter Medium

100% melt blown polypropylene

End Caps/Adapters (optional)

Various; refer to Ordering Information

Seal Options

Various; refer to Ordering Information

- All materials of construction are FDA listed as acceptable for potable and edible liquid contact according to CFR Title 21.

- Pending Certifications:
NSF - Materials only

Maximum Recommended Operating Conditions

Temperature

@ 50psid (3.45bar): 80°F (27°C)

@ 25psid (1.72bar): 140°F (60°C)

Flow Rate

5gpm (18.9 lpm) per 10" length

Recommended Maximum

Change Out ΔP: 35psi (2.4bar)

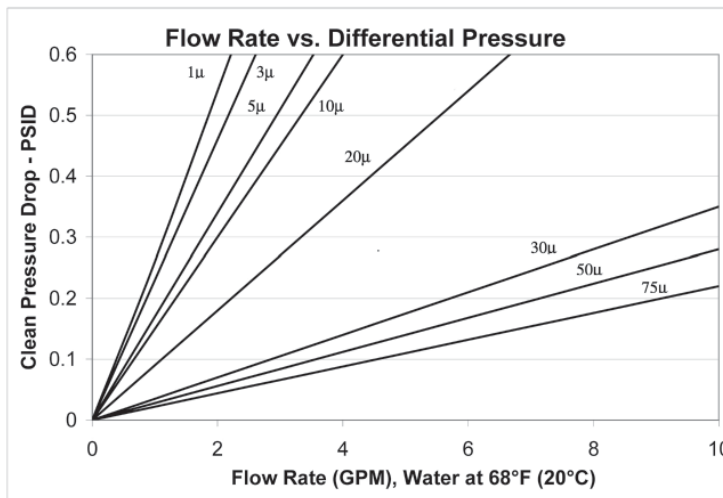
Dimensions (Nominal)

1-1/16 in. (27mm) ID x 2-7/16 in. (62mm) OD (max.)

4, 10, 20, 30, and 40 in. continuous nominal lengths

Nominal Filtration Ratings (90%)

1μm, 3μm, 5μm, 10μm, 20μm, 30μm, 50μm and 75μm



Flow rate is per 10" cartridge. For liquids other than water, multiply the pressure drop by the fluid viscosity in centipoise.

Ordering Information

AVS	□	M	□	—	□	—	□		
Cartridge Code		Micron Rating	Nominal Length			End Cap Configuration		Seal Material	
AVS	AVS Cartridge	1	CODE	INCHES	MM	CODE	DESCRIPTION	CODE	MATERIAL
		3	None	4	102	None	Double Open End (DOE) w/o gaskets	None	Omit
		5	DO	9.75	248	DO	DOE	A	Poly foam gaskets w/ collars (DO only)
		10	LL	10	254	LL	120 O-ring both ends**	E	EPR
		20	LR	19.5	495	LR	120 O-ring/Recessed**	N	Buna-N
		30	OB	20	508	OB	Std. open end/Polypropylene spring closed end	S	Silicone (o-ring only)
		50	PR	29.25	743	PR	213 O-ring/Recessed**	T	PFA Encapsulated Viton® (222, 226 O-ring only)
		75	SC	30	762	SC	226 O-ring/Flat	V	Viton®
			SF	39	991	SF	226 O-ring/Fin	W	Poly foam gaskets w/o collars (DO only)
			TB	40	1016	TB	222 Open end, poly spring closed end		
			TC			TC	222 O-ring/Flat		
			TF			TF	222 O-ring/Fin		
			TX			TX	222 O-ring/Flex fin		
			XA			XA	DOE w/extended core		
			XB			XB	Ext. core open end polypropylene spring closed end		

**Available only in 9-3/4" and 19-1/2" lengths.

Specifications are subject to change without notification. For User Responsibility Statement, see www.parker.com/safety

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