

# 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.



## Contact Information

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## 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 bio-safe 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
- ISO9000:2008 Certified Division

## 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)

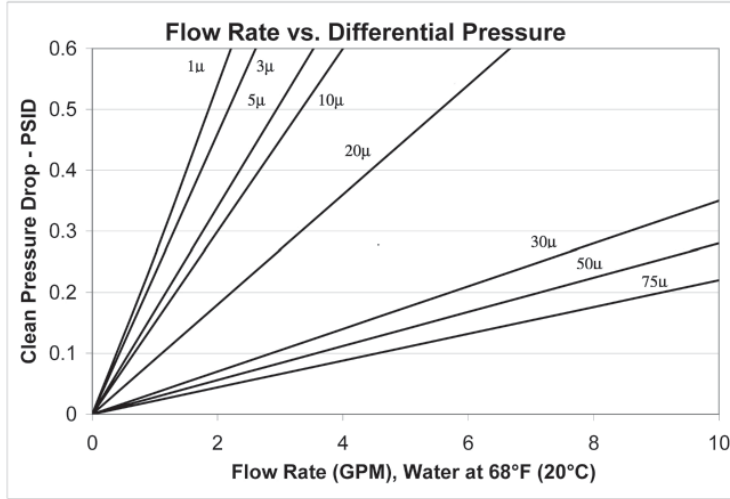
### Dimensions (Nominal):

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

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

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*for all your filter requirements*