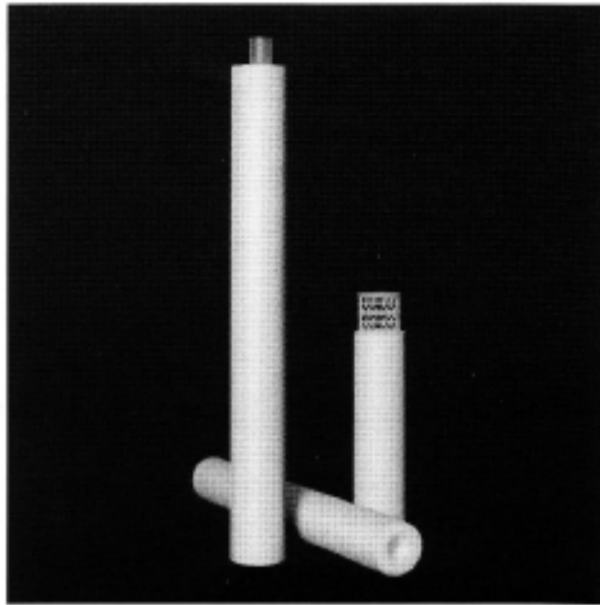


# AVASAN™ FILTER CARTRIDGES

High purity melt-blown depth cartridges



Avasan™ (AVS) cartridges are manufactured by a proprietary melt-blown manufacturing process using a specially formulated polypropylene. 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 filter's long service life. The finish-free construction provides optimum fluid purity and eliminates foaming. Avasan's broad fluid compatibility and graded density pore matrix make it the economical filter choice for high clarity requirements.

## BENEFITS

- Graded density construction provides consistent filtrate quality and excellent particle retention
- Continuous bonding of fibers throughout the filter matrix ensures non-fiber-releasing construction
- Superior inter-layer bonding provides true three-dimensional filtration and a construction that does not compress with increasing pressure
- All-polypropylene construction
- Finish-free construction provides optimum fluid purity and eliminates foaming
- All materials are biosafe in accordance with USP Class VI-121°C Plastic Test
- All materials listed as acceptable for potable and edible according to CFR Title 21
- Parker Division is ISO9000:2000 Certified

## APPLICATIONS

- DI water
- Food & beverages
- R.O. prefiltration
- Potable water

## SPECIFICATIONS

### Materials of Construction

Filter Medium	100% melt-blown polypropylene
End Caps/Adapters (optional)	polyolefin copolymer
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

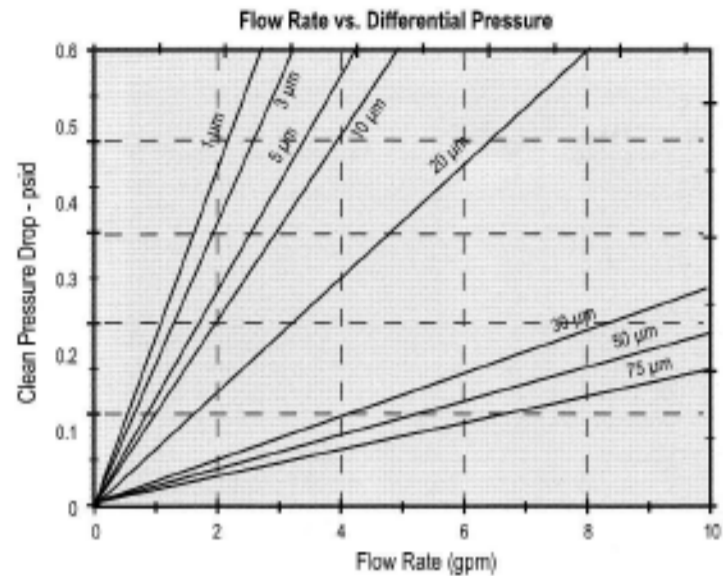
Temperature	
@ 50 psid (3.45 bar)	80°F ( 27°C)
@ 25 psid (1.7 bar)	140°F (60°C)
Changeout ΔP	35 psi (2.1 bar)

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## PERFORMANCE ATTRIBUTES

### Water Flow Rates



## ORDERING INFORMATION

AVS		M						
Micron Rating		Filter Medium	Nominal Length		End Cap Configuration		Seal Material	
CODE	(μm)	M = FDA Grade Polypropylene	CODE	IN (mm)	CODE	DESCRIPTION	CODE	DESCRIPTION
1	1		4	4 (102)	None	None	A	Poly Foam gaskets with Collars (DO only)
3	3		9.75	9.75 (248)	DO	DOE (w/gaskets)	E	EPR
5	5		10	10 (254)	LL	120 O-ring (Both Ends)**	N	Buna-N
10	10		19.5	19.5 (495)	LR	20 O-ring/Recessed**	S	Silicone
20	20		20	20 (508)	OB	Std. Open End/Polypro Spring Closed End	T	PFA Encapsulated
30	30		29.25	29.25 (743)	PR	213 O-ring/Recessed**	V	Viton* (222, 226 O-Ring Only)
50	50		30	30 (762)	SC	226 O-ring/Flat Cap	W	Poly Foam gaskets without Collars (DO only)
75	75		39	39 (991)	SF	226 O-ring/Fin		
			40	40 (1016)	TC	222 O-ring/Flat Cap		
					TF	222 O-ring/Fin		
					TX	222 O-ring/Flex Fin		
					XA	DOE with Core Extender		
					XB	Ext. Core Open/Polypro Spring Closed End		

## TECHNICAL SUPPORT AND PRODUCT INFORMATION

Parker provides our customers with unsurpassed product consistency and cost efficiency. Our experienced professionals can help you select the right solution for your application. Orders can be emailed directly to [PAFsales@parker.com](mailto:PAFsales@parker.com). For additional information contact your local distributor. Information on product specifications, applications and chemical compatibility can be found on our web site at [www.parker.com](http://www.parker.com) or through the Oxnard office.

Parker designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Coatings and Inks, Process and Chemical industries.

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