

# AVASAN™ (AVS) High Purity Melt Blown Cartridge



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 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.

## Applications

- DI Water
- R.O. Prefiltration
- Food & Beverages
- Potable Water

## Specifications

### Nominal Filtration Ratings (90%) :

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

### Maximum Recommended Operating Conditions:

- Temperature:
  - @ 50 psid (2.7 bar): 80°F ( 27°C)
  - @ 25 psid (1.4 bar): 140°F (60°C)
- Flow Rate: Actual flow rate is dependent on fluid viscosity, micron rating, contaminant and media type.
- Change Out ΔP: 35 psi (2.1 bar)

### Materials of Construction:

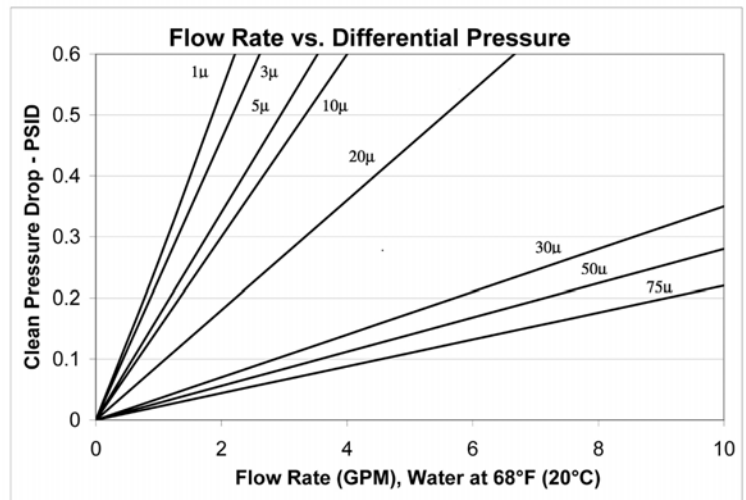
- Filter Medium: 100% melt blown polypropylene
- End Caps/Adapters (optional): polyolefin copolymer
- Seal Options: Various; refer to Ordering Information

- 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

### Dimensions (Nominal):

- 1-1/16 in. (27mm) ID x 2-7/16 in. (62mm) OD (max.)
- 10, 20, 30, and 40 in. continuous nominal lengths

## AVS Pressure Drop Graph



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

AVS Cartridge Code	10 Micron Rating (µm)	M Filter Medium	10 Nominal Length	TC End Cap Configuration	N Seal Material
AVS = AVS Cartridge	1 3 5 10 20 30 50 75	M = FDA Grade Polypropylene	Code in. mm 9.75 = 9.75 248 10 = 10 254 19.5 = 19.5 495 20 = 20 508 29.25 = 29.25 743 30 = 30 762 39 = 39 991 40 = 40 1016	None = DOE w/o gaskets TC = 222 O-Ring Flat Cap	E = EPR N = Buna N S = Silicone T = PFA Encapsulated Viton* ( 222 only) V = Viton*

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