

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 and 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 prefiltration and longer life
- 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
- Parker Process Filtration Division is an ISO9000:2000 Certified Division

Applications

- DI Water
- RO Prefiltration
- Potable Water
- Plating Solutions
- Chemical Processing Fluids



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:

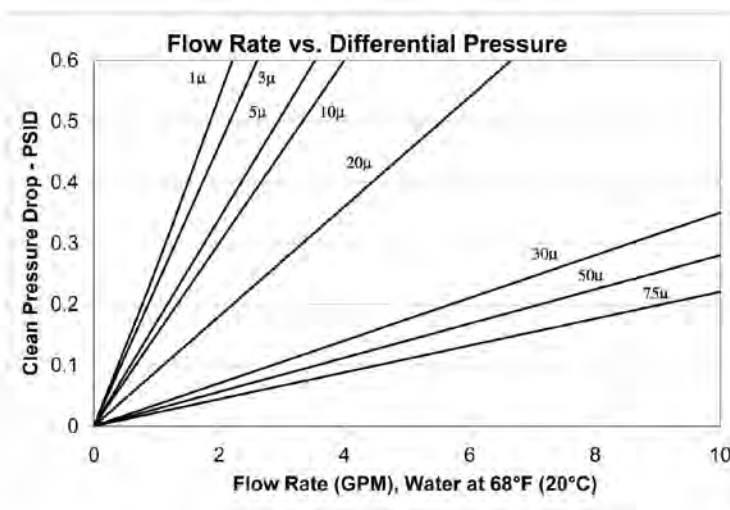
- Temperature:
 - @ 50 psid (3.45 bar): 80°F (27°C)
 - @ 25 psid (1.72 bar): 140°F (60°C)
- Flow Rate:
 - 5 gpm (18.9 lpm) per 10" length
- Recommended Maximum:
 - Change Out ΔP: 35 psi (2.4 bar)

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 | Micrometer Rating (μm) | Filter Medium | Nominal Length (in) | End Cap Configuration | Seal Material |
|---------------------|---|-----------------------------|---|--|--|
| AVS = AVS Cartridge | 1 3 5 10 20 30 50 75 | M = FDA Grade Polypropylene | Code in mm 4 = 4 102 9.75 = 9.75 248 10 = 10 254 19.5 = 19.5 495 20 = 20 508 29.25= 29.25 743 30 = 30 762 40 = 40 1016 | None = DOE (w/o gaskets) DO = Double open end (DOE) LL = 120 O-Ring both ends** LR = 120 O-Ring/Recessed** OB = Std. Open End/Polypro spring closed end PR = 213 O-Ring/Recessed** SC = 226 O-Ring/Flat SF = 226 O-Ring/Fin TC = 222 O-Ring/Flat TF = 222 O-Ring/Fin TX = 222 O-Ring/Flex Fin XA = DOW w/Extended Core XB = Ext. Core Open End Polypro spring closed end | None = Omit P = Poly Foam Gaskets w/Collars (DO only) E = EPR N = Buna-N S = Silicone (O-Ring only) T = PFA Encapsulated Viton* (222, 226 O-Ring Only) V = Viton* W = Poly Foam Gaskets without Collars (DO only) |

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

Specifications are subject to change without notification.
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