HVV

Depth Filter Cartridge

Constructed of 100% polypropylene media for chemical compatibility with a variety of process fluids. The unique Crystal Core prevents collapse even at elevated temperatures.



Features:

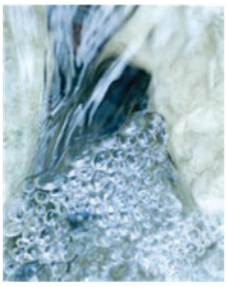
- Available in nominal ratings from 1 to 75 microns
- Formed Crystal Core for excellent collapse strength
- Graded pore construction for long on-stream life
- Melt blown media resists dirt unloading as differential pressure increases
- Non-shedding
- High dirt holding capacity
- ***Premium 4 zone construction***
- Thermal bonded endcaps optional
- Free of binders, adhesives and surfactants
- Highly consistent performance

NSF

Certified to ANSI-NSF 61





HVV NOMENCLATURE INFORMATION

Filter Type	Retention Rating (microns)	Nominal Length (inches)	End Configuration	Gasket or O-Ring
HVV Series	1 20 3 30 5 50 10 75	–5 –29.25 –9.75 –30 –10 –39 –19.5 –40 –20	P Double Open End P2 226/Flat Single Open End P3 222/Flat Single Open End P6 Self-Seal Spring on One End P7 226/Fin Single Open End P8 222/Fin Single Open End PX Extended Core N None (Cut Ends) DBG Direct Bond Santoprene Gaskets AM SOE Internal O-Ring	B Buna-N E EPDM V Viton S Silicone F TEV (O-Rings) Blank None
Example: HVV 10–20PE				
HVV	10	–20	P	E

Applications:

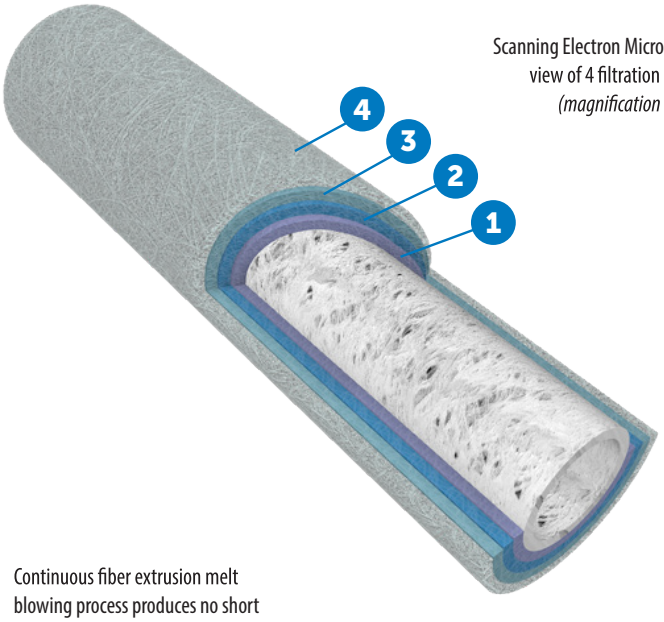
- RO Prefilters
- Wastewater
- Food and beverages
- Chemicals
- Blowdown post filter
- RAD Waste
- Aqueous solutions
- Inks

End Cap Adders (Other than NN style):
P, P3, P8, AM, P2, P7, P6, PX, direct bond gasket

O-Ring/Gasket Adders:
FKM O-rings, FKM Gaskets, PTFE encapsulated FKM

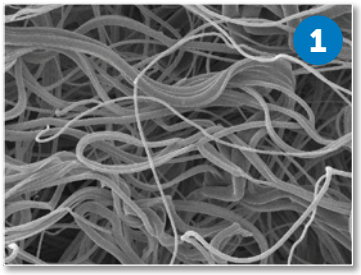
COMMERCIAL INDUSTRIAL SUPPLY

1-866-777-8001 - www.commercial-industrial-supply.com

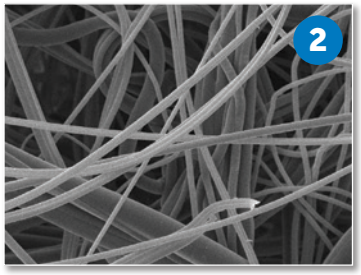


Scanning Electron Microscope
view of 4 filtration zones
(magnification 300x)

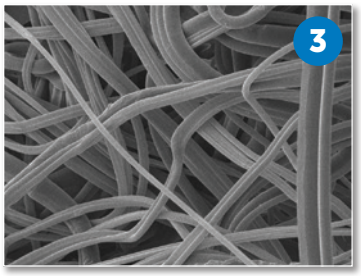
Continuous fiber extrusion melt blowing process produces no short fibers that can break loose.



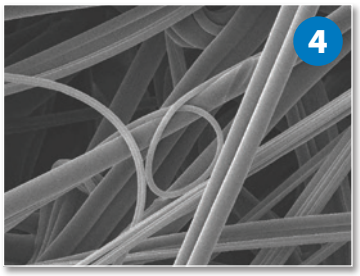
Final filtration zone with finest filtration fibers



Final prefilter zone



Inner prefilter zone



Outer prefilter zone with coarsest filtration fibers

Product Specifications

Media: Polypropylene

End caps/Center Core: Polypropylene

Gaskets/O-Rings: Buna-N, EPDM, Santoprene, Silicone, Teflon Encapsulated Viton (O-Rings only), Viton

Micron rating: 1, 3, 5, 10, 20, 30, 50, 75 µm

Dimensions

Nominal lengths:
5", 9.75", 10", 19.5", 20", 29.25", 30", 39", 40"
(12.7, 24.8, 25.4, 49.5, 50.8, 74.3, 76.2, 99.1, 101.6 cm)

Outside diameter:
2.5" (6.35 cm), 2.63" (6.7 cm) End capped

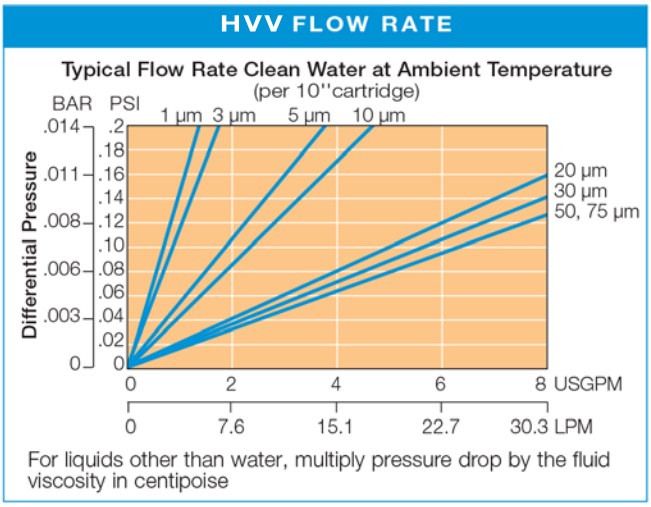
Inside diameter: 1.0" (2.54 cm)

Operating Parameters

Maximum differential pressure:
65 psid @ 68°F (4.5 bar @ 20°C)
50 psid @ 100°F (3.4 bar @ 38°C)
25 psid @ 170°F (1.7 bar @ 77°C)

Recommended change-out pressure:
35 psid (2.4 bar)

Steam Sterilization:
HVV single open end style filters may be autoclaved under no end load conditions for 30 minutes at 121°C. Filters should be cooled to normal operating temperatures prior to use.



Certifications:

USP Class VI: Meets USP Class VI Biological Test for Plastics.

FDA Listed Materials: All Materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, and 177.1520, as applicable for food and beverage contact.

NSF 61 - Certified to NSF/ANSI STD 61 for materials requirements only - Component.



Made In the U.S.A.