IPM FILTRATION SYSTEMS
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FilterVIN

Pleated membrane in Polyethersulfone



Filtration rate: from 0.2 to 1.2 micron
Microbiological sterilization

FilterVIN cartridges are built with a polyethersulfone pleated membrane, have high mechanical, thermal and chemical resistance.
The asymmetrical structure of the membrane and the large filtering surface guarantee autonomy and long service life.

The polyethersulfone and polypropylene which build together the cartridge are chemically inert to proteins, colloids, aromas and color and do not alter the filtered fluid.

Filtration rate

0,2 - 0,45 - 0,65 - 0,8 and 1,2 micron

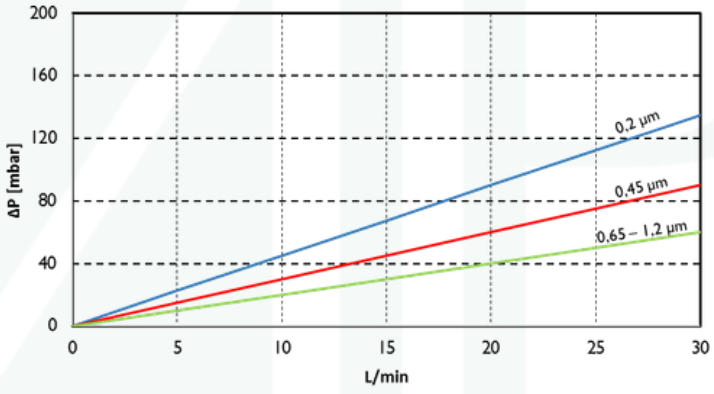
Height

10 - 20 - 30 - 40 inches in standard module

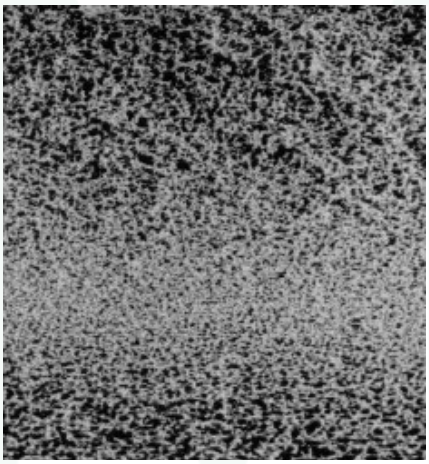
Adapters

Available with the most common connectors (see information to order)

FilterVIN Performances



Water flow rate at 20°C for 10" cartridge



FilterVIN: electron microscope photograph

SPECIFICATIONS

Construction materials

Filter Membrane	**Polyethersulfone**
Support and drainage layers	Polypropylene
Armor	Polypropylene
Insert	AISI316L

Microbial Removal Efficiency

0,45 µm	*Serratia marcescens* $TR>10^7/cm^2$
0,65 - 0,8 - 1,2 µm	*Saccaromices cerevisiae following* ASTM F838-15a

Operating parameters

Maximum operating temperature	70°C
Maximum ΔP in forward flow	5,0 bar a 24°C
Maximum ΔP in reverse flow	1,8 bar a 24°C

Sterilization and sanification

Steam	Up to 130°C for 30 minutes
Hot water	Up to 90°C for 30 minutes

Cartridge dimensions

Standard	Lenght: 250, 500, 750, 1000 mm
	External diameter: 70 mm

Integrity Test values

The specification values for the different filtration rates are shown in the instructions for use attached to the cartridge packaging

INFORMATION TO ORDER



D	2	3	5	7	8

VIN	7	10	002	S	I
Product identification	Adapters	Lenght	Filtration rate	Gaskets	Insert
	D = DOE (double opened end) **2** = OR226/2 bayonets/ without fin **3** = OR222/ without fin **5** = OR222/3 bayonets/ with fin **7** = OR226/2 bayonets/ with fin **8** = OR222/ with fin	10=10” 20=20” 30=30” 40=40”	002 = 0,2 µm 004 = 0,45 µm 006 = 0,65 µm 008 = 0,8 µm 012 = 1,2 µm	E= EPDM S= Silicone V= Viton ® X= Other	I = with (*) 0 = without (*) when filter has to be sterilized by steam

Quality standard

- *Produced in cleanroom*
- *Integrity check on each single module before shipment*
- *Conform to USA and CE rules*
- *Wide filtration rate range*
- *Complete range of adapters*

Bio - safety standard

Cartridges pass toxicity tests of particles and fibers release.
They conform to USP requests for TOC, conductivity and bacterial endotoxins (determined with LAL test)

Regulatory Compliance

Materials conform to requirements of CFR21 Part 177 from USP, IV Class - 121°C for plastic products and to the rule n. 1935/2004/CE for contact with food.

Document n° DSVINGB002 issued in Italy 11/2026

IPM reserves the right to modify any product feature for technical reasons and to offer customers the best technology.
For clarifications, please contact IPM.

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