

FilterPOG

Pleated filter media made of paired fiberglass and polypropylene

Filtration rate: 0.5 - 1.0 micron

Prefiltration and polishing of water, wine, beer and beverage.

Colloidal elimination by electrostatic adsorption.

FilterPOG cartridges are built with a positively charged borosilicate fiber filter media paired with a polypropylene filter media; this technology provides high mechanical resistance to the combined filter media, which is free from fiber release.

The polypropylene filter media has a precise sieving by size, the filter media in glass fiber with a positive charge combines the retention by adsorption of colloids, organic material and bacteria with a negative electrical charge.



Filtration rate

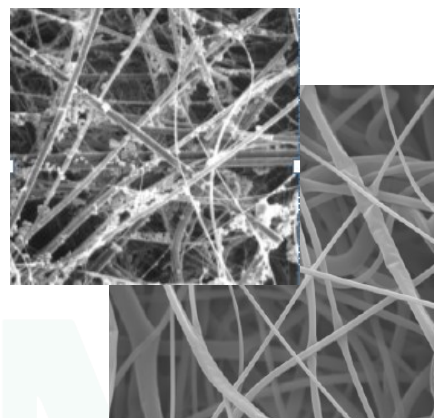
0,5 - 1,0 micron

Height

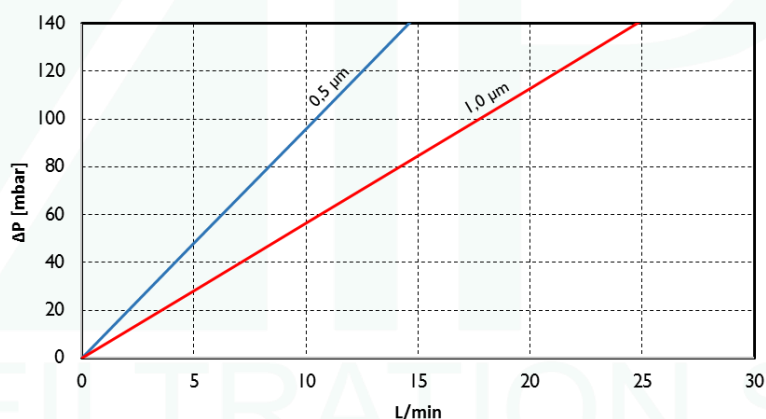
10 - 20 - 30 - 40 inches in standard module

Adapters

Available with the most common connectors (see ordering information)



FilterPOG: electron microscope photograph of the fiberglass and the polypropylene filter media



FilterPOG performances

Water flow rate at 20°C for a 10" cartridge

SPECIFICATIONS

Construction materials

Final filter media	Glass microfiber
Prefiltration filter media	Polypropylene
Support and drainage layers	Polypropylene
Armor	Polypropylene
Insert	AISI316L

Operating parameters

Maximum operating temperature	70°C
Maximum ΔP in forward flow	4,8 bar at 40°C
Maximum ΔP in reverse flow	1,0 bar at 20°C

Cartridge dimensions

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

Microbial Removal Efficiency

< 99.9% (ASTM795)	Absolute rated—Filter performance
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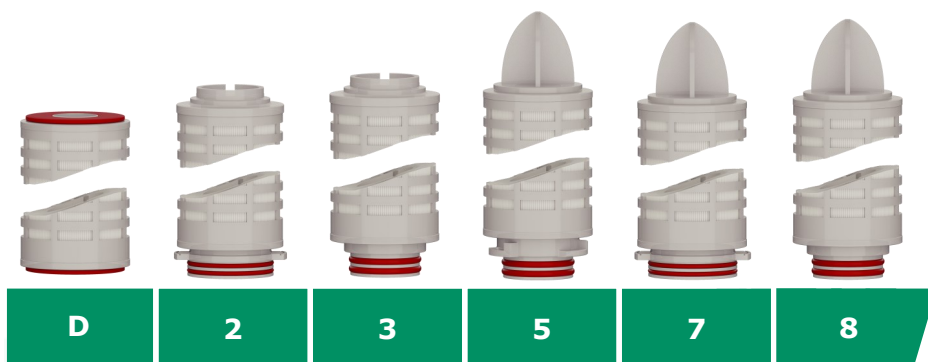
Sterilization and sanification

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

Integrity Test values

NON APPLICABLE TO NON MEMBRANE FILTERS

INFORMATION TO ORDER



POG	7	10	005	S	I
Product identification	Adapters	Length	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"	005 = 0,5 μm 010 = 1,0 μm	E = EPDM S = Silicone V = FPM X = FEP	I = with (*) 0 = without (*) when filter has to be sterilized by steam

Quality standard

- Produced in clean room
- Conform to USA and CE rules
- 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.

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

IPM
FILTRATION SYSTEMS

Via Madre Teresa 22
20851 Lissone - Italy
Tel. +39.039.2145244
Fax +39.039.2145245
E-mail: ipm@ipmfilters.com