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

FilterPOL

Cartridges built with polypropylene filter media



Filtration rate: from 0.6 to 40 micron
Prefiltration and polishing of pharmaceutical, biological, chemical, solvents, perfumes, mouthwashes, wine, beer, beverages.
Retention >99.98% of particles of indicated filtration grade.

FilterPOL cartridges are built with a polypropylene filter media pleated membrane, have high mechanical, thermal and chemical resistance.

Polypropylene, the only component of FilterPOL cartridges, is chemically inert to proteins, colloids, aromas and color and do not alter the filtered fluid.

Filtration rate (µm)

0,6 - 1,2 - 2,5 - 5,0 - 10 - 20 - 40

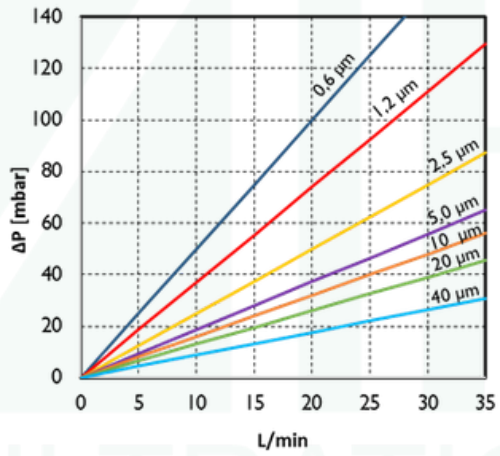
Height

5 -10 - 20 - 30 - 40 inches in standard version
5 inches in Junior version

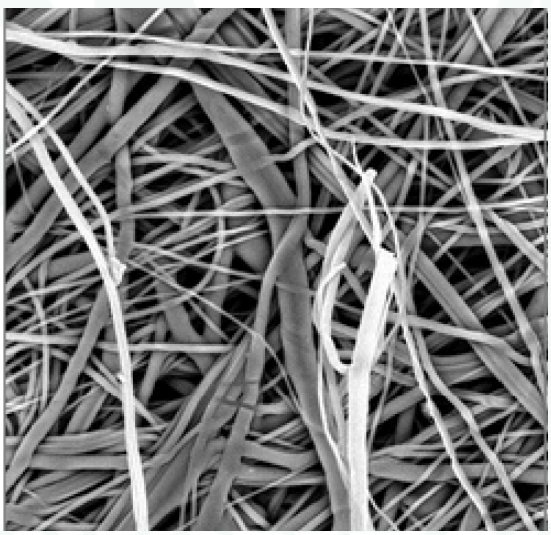
Adapters

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

FilterPOL performances



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



FilterPOL: electron microscope photograph

SPECIFICATIONS

Construction materials

Filter Media	**Polypropylene**
Support and drainage layers	Polypropylene
Cage	Polypropylene
Adapter insert	AISI316L

Microbial Removal Efficiency

<99.98% (ASTM795) Absolute rated - Filter performance

Operating parameters

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

Sterilization and sanification

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

Cartridge dimensions

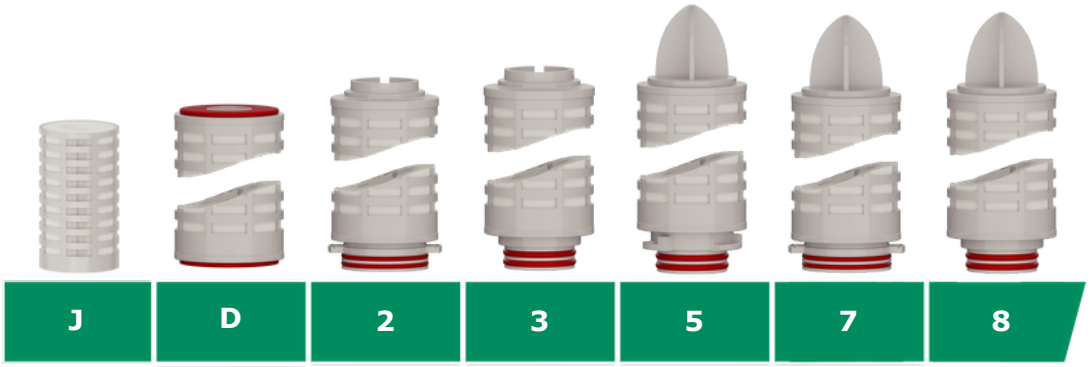
Junior Lenght: 125 mm
External diameter: 56 mm

Standard Lenght: 125, 250, 500, 750, 1000 mm External diameter: 70 mm

Integrity Test values

NON APPLICABLE TO NON MEMBRANE FILTERS

INFORMATION TO ORDER



POL	7	10	006	S	I	PH
Product identification	Adapters	Lenght	Filtration rate	Gaskets	Insert	Version
	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	05=5.0" 10=10” 20=20” 30=30” 40=40”	006 = 0,6 µm 012 = 1,2 µm 025 = 2,5 µm 050 = 5,0 µm 100 = 10 µm 200 = 20 µm 400 = 40 µm	E= EPDM S= Silicone V= Viton ® X= Other	I = with (*) 0 = without (*) when filter has to be sterilized by steam	PH = Pharma version
	J = JUNIOR	02= 2.5” 05=5.0”				

Quality standard

- *Produced in clean room*
- *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° DSPOLGB002 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.

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