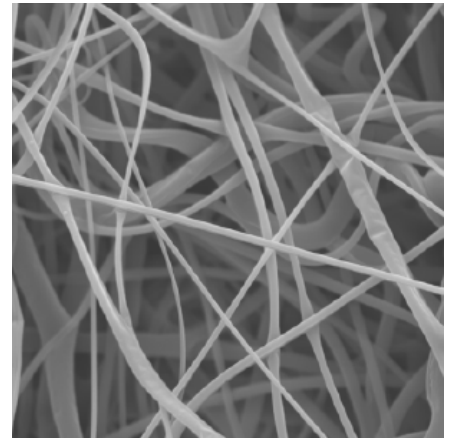


# FilterPOL



FilterPOL: Electron microscope photography

## PRODUCT INFORMATION

FilterPOL cartridges are built with polypropylene filter media and have high mechanical, thermal and chemical resistance; the optimized pleating and the large filtering surface guarantee maximum autonomy and long service life.

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

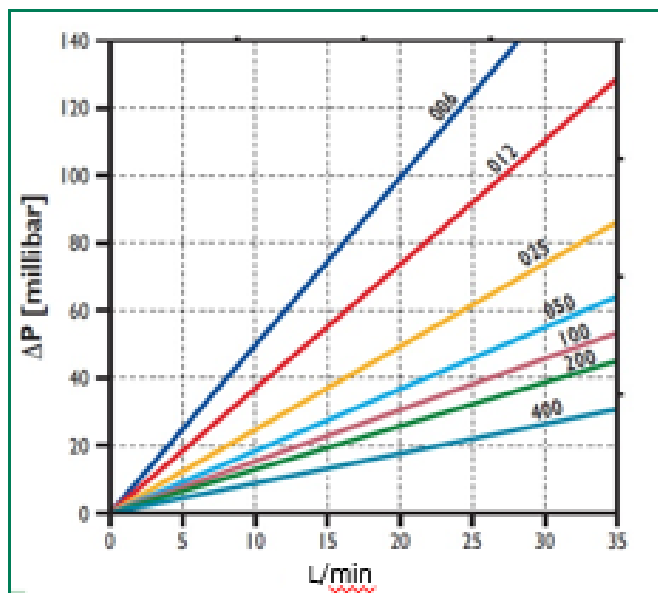
Pleated polypropylene filter media with filtration degree: from 0.6 to 40 microns.

Typical applications are prefiltration and polishing of pharmaceutical, biological, chemical, solvents, perfumes, mouthwashes, water, wine, beer, beverages

Absolute retention > 99.98% on particles of the indicated filtration degree.

### Typical Liquid Flow vs. Differential Pressure

Water at 20°C per 10" module



## QUALITY STANDARDS

⇒ Designed, developed and manufactured in accordance with an ISO 9001 certified Quality Management System

## BIO-SAFETY STANDARDS

⇒ Non-pyrogenic according to USP <85>Bacterial Endotoxins

⇒ Pass USP Plastic Class VI Test Non-fiber releasing according to 21 CFR

## REGULATORY COMPLIANCE

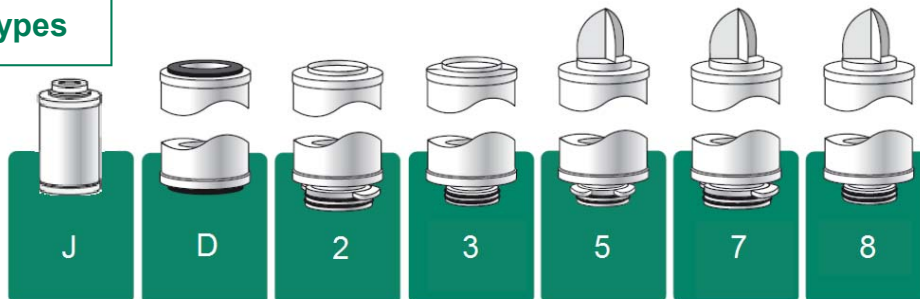
⇒ FilterPOL meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004 and Code of Federal Regulations, 21 CFR paragraphs 170-199

## Specifications

<b>Materials of Costruction</b>		<b>Microbial Removal Efficiency</b>	
Filter Media	polypropylene	< 99,98 % (ASTM795)	Absolute rated– Filter performance
Support and drainage layers	polypropylene		Consistent and reproducible contaminant removal
Cage	polypropylene		
Adapter ilnsert	AISI316L		
<b>Operating Parameters</b>		<b>Sterilization</b>	
Maximum operating temperature	Up to 70°C	Steam	Up to 130 °C per 30 minutes
Maximum differential pressure	5,5 bar at 24°C	Hot water	Up to 90°C per 30 minutes
Forward direction	1,8 bar at 24°C		
<b>Nominal Dimintions</b>		<b>Integrity Test Values</b>	
<i>Junior</i> Length: 62, 125 mm, Diameter: 56 mm		NOT APPLICABLE TO NON-MEMBRANE FILTERS	
<i>Standard</i> Length: 250, 500, 750, 1000 mm, Diameter. 70 mm			

## ORDER INFORMATION

### Adater types



<b>POL</b>	<b>7</b>	<b>10</b>	<b>006</b>	<b>S</b>	<b>I</b>	<b>PH</b>
Product identification	Adapter	Length	Filtration Rating	Gaskets o-rings	Insert	Version
<b>POL</b>	D = DOE (double open end) 2 = OR226/2 bayonet without fin 3 = OR222/without fin 5 = OR222/ 3 bayonet s with fin 7 = OR226/2 bayonet with fin 8 = OR222/ with fin	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 = FPM X = FEP	I = with (*) 0 = without  (*) When filter has to be sterilized by steam	PH = Pharma version
	J = JUNIOR	02=2.5" 05=5.0"				

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

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