

FilterPEP

PRODUCT INFORMATION

The FilterPEP cartridges are built with a filter septum of polypropylene, to protect a polyethersulfone membrane.

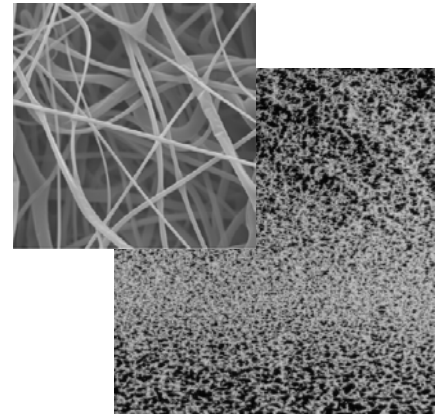
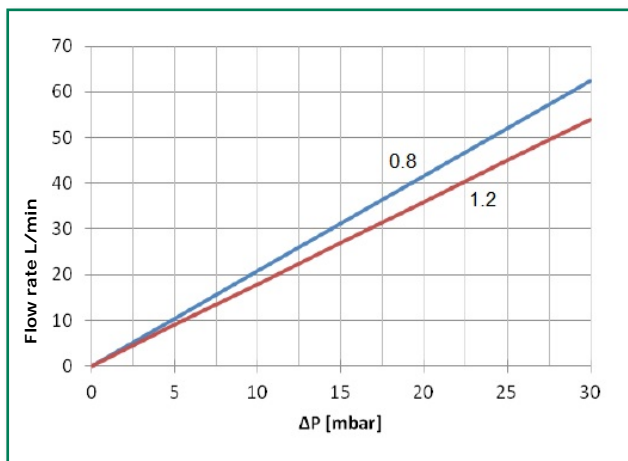
This technology combines the effective particle protection of the polypropylene septum with the precise sieving by size of the membrane. The result is a cartridge with exceptional accuracy and service life.

Filtration degree: 0.8 to 1.2 microns

Prefiltration and polishing of pharmaceutical, biological, chemical, solvent, wine, beer, beverage products

Typical Liquid Flow vs. Differential Pressure

Water at 20°C per 10" module



FilterPEP: Electron microscope photograph

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

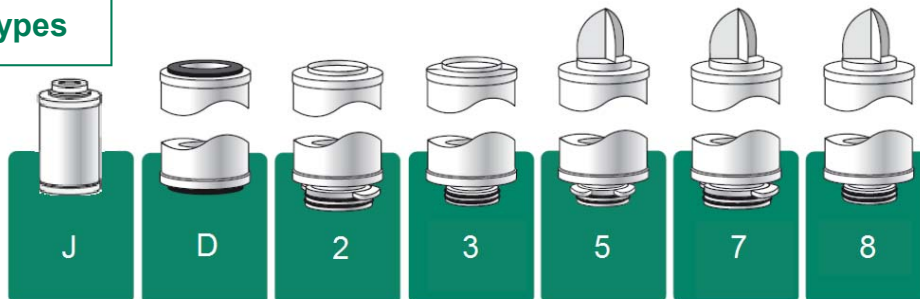
- ⇒ FilterPEP meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004 and Code of Federal Regulations, 21 CFR paragraphs 170-199

Specifications

Materials of Costruction		Microbial Removal Efficiency	
Pre-Filter Media	polypropylene	TR>10 ⁷ /cm ²	<i>Saccaromices cerevisiae</i>
Filter Membrane	polyethersulfone		
Support and drainage layers	polypropylene		
Cage	polypropylene		
Adapter insert	AISI316L		
Operating Parameters		Sterilization	
Maximum operating temperature	70°C in continuo	Steam	Up to 130 °C per 30 minuties
Maximum differential pressure	4,8 barg at 40°C	Hot water	Up to 90°C per 30 minutes
Forward direction	1,0 barg at 20°C		
Nominal Dimentions		Integrity Test Values	
<i>Junior</i> Lenght: 62, 125 mm, Diameter: 56 mm		NOT APPLICABLE TO NON-MEMBRANE FILTERS	
<i>Standard</i> Lenght: 250, 500, 750, 1000 mm, Diameter. 70 mm			

ORDERING INFORMATION

Adater types



PEP	7	10	008	S	I
Product identification	Adapter	Length	Filtration Rating	Gaskets o-rings	Insert
PEP	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"	008 = 0.8 µm 012 = 1.2 µm	E = EPDM S = Silicone V = FPM X = FEP	I = with (*) O = without (*) When filter has to be sterilized by steam

IPM s.r.l. - Sistemi di filtrazione - Via Madre Teresa, 22 - 20851 Lissone (MB) - Italy

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

For orders and requests for information
 E-mail: ipm@ipmfilters.com
 Tel. +39 0392145244
 Fax. +39 0392145245

Document n° DSPEPEN001/21 issued in Italy 09/2021

Web site www.ipmfilters.com

IPM
 SISTEMI DI FILTRAZIONE