

FilterPRO

PRODUCT INFORMATION

FilterPRO cartridges are built with graded-density media structure, it removes particles sequentially by size. The exceptional accumulation capacity of contaminants of different sizes guarantees maximum service life and retention efficiency.

Polypropylene, the only component of FilterPRO, confers high mechanical, thermal and chemical resistance.

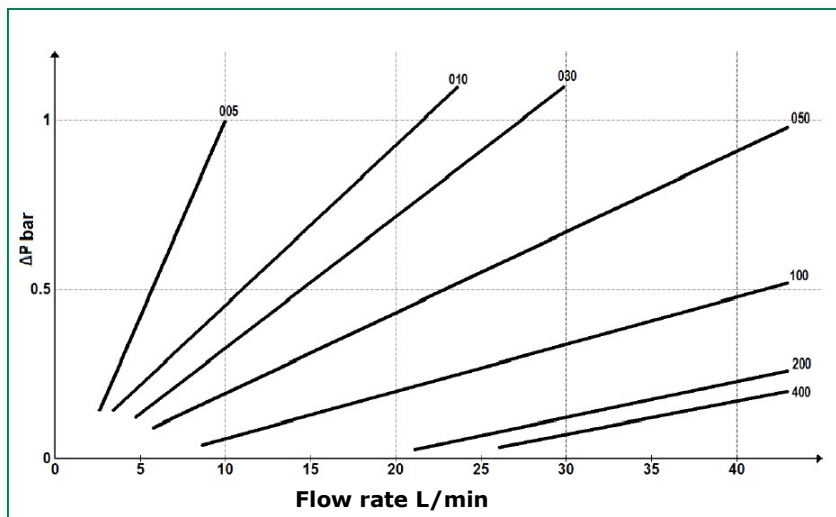
Filtration degree: from 1.0 to 40 microns.

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



FilterPRO: Cross section

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

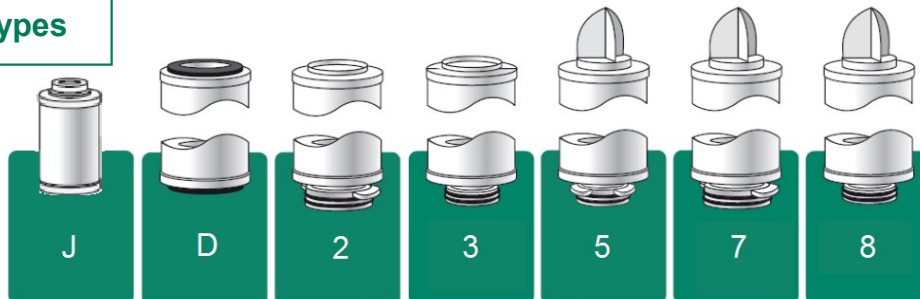
- ⇒ FilterPRO meets the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004 and Code of Federal Regulations, 21 CFR paragraphs 170-199

Specifications

| | | | |
|--|------------------|--|-----------------------------|
| Materials of Costruction | | Microbial Removal Efficiency | |
| Filter Media | polypropylene | < 99,98 %(ASTM795) Absolute rated– Filter performance Consistent and reproducible contaminant removal | |
| Support and drainage layers | polypropylene | | |
| Cage | polypropylene | | |
| Adapter ilnsert | AISI316L | | |
| Operating Parameters | | Sterilization | |
| Maximum operating temperature | Up to 70°C | Steam | Up to 121 °C per 30 minutes |
| Maximum differential pressure | 5,5 barg at 24°C | Hot water | Up to 90°C per 30 minutes |
| Forward direction | 1,8 barg at 24°C | | |
| Nominal Dimintions | | Integrity Test Values | |
| Standard Length: 250, 500, 750, 1000 mm, Diameter. 70 mm | | NOT APPLICABLE TO NON-MEMBRANE FILTERS | |

ORDERING INFORMATION

Adater types



| PRO | 7 | 10 | 030 | C | S | PH |
|------------------------|---|--------------------------------------|---|---|--|---------------------|
| Product identification | Adapter | Length | Filtration Rating | External Cage | Gaskets o-rings | Version |
| PRO | K = DOE without adapter/cage 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" | 010 = 1.0 µm 030 = 3.0 µm 050 = 5,0 µm 100 = 10 µm 200 = 20 µm 400 = 40 µm | C = With external cage Y = without external cage | E = EPDM S = Silicone V = FPM X = FEP | PH = Pharma version |

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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.

For orders and requests for information
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