

ABSFLU PO™

Hydrophobic PTFE Membrane Filters for the Pharmaceuticals



INDUSTRIES & APPLICATIONS



Pharmaceuticals: Process chemicals

ABSFLU PO[™] is a hydrophobic PTFE membrane filter designed for sterilization and particulate removal from aggressive chemicals including acids, ba and solvents in a wide range of critical processing for bio and pharmaceutical industries.

ABSFLU PO[™] utilizes a high security expended PTFE membrane with high surface area, providing low pressure drop and long filter service life.

FEATURES & BENEFITS

- Reliable particle removal efficiency with lower differential pressure drops
- 100% flushed with 18MΩ ultrapure water
- Fully validated
- Repeatedly integrity testable and steam sterilizable
- No binders are present to interrupt product quality
- All polypropylene construction provides excellent chemical compatibility and very low level of extractables
- Available in a wide range of end styles and micron ratings

TECHNICAL DATA

Nominal Dimensions

Cartridge 68Ø

· Length: 250, 500, 750, 1000 mm · Inner Diameter: 30 mm

· Outer Diameter : 68 mm

CAPI

· Length: 143, 216 mm · Outer Diameter: 71, 73 mm

CAP II

· Length: 203, 212 mm · Outer Diameter: 97 mm



Outer Diameter: 68 mm

Capsule series CAP I and CAP II





* For details, see the Appendix II - Capsule Filter Types

Materials of Construction

• Filtration Media Hydrophobic PTFE (Polytetrafluoroethylene)

Polypropylene · Support Media Polypropylene · Inner Core Polypropylene · Outer Cage · End Caps Polypropylene ·Shell Polypropylene STS 304 Insert Silicone · O-rings / **EPDM** Gaskets Viton TEV

Max. Operating Temperature

· Cartridge: 80°C (176°F) · Capsules: 60°C (140°F)

Max. Operating Forward Differential Pressure

4 bard (58.0 psid) at 20 °C 3 bard (43.5 psid) at 40 °C 2 bard (29.0 psid) at 60 °C 1 bard (14.5 psid) at 80 °C

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Recommended Change Out Differential Pressure

2 bard (29.0 psid)

Endotoxin

Meet the requirements of the USP <85> LAL Test, ≤ 0.25 EU/ml

Filtration Area

- · Cartridge 68Ø: 0.7 m² / 10 inch
- · CAP I: 0.14 m² / unit
- · CAP II: 0.34 m² / unit

Nominal Pore Sizes

 $0.1, 0.2, 0.45, 1 \, \mu \text{m}$

TOC (Total Organic Carbon)

Meet the requirements of the USP <643> TOC, <500ppb

Bacterial Retention

≥ LRV7

* Performed in accordance with ASTM F 838-15, ATCC 19146 Brevundimonas diminuta

Conductivity

Meet the requirements of the USP <645> Conductivity, <1.3uS/cm

Food Contact Compliance

All materials of construction are FDA listed and conform to the relevant requirements of 21 CFR 177

NVR (Non-Volatile Residue)

Meet the requirements of the USP <661> NVR, <15mg

Biological Safety

All materials of construction are conform to the relevant requirements of USP <88> Class VI-121°C, plastics

Autoclave Sterilization

Can be repeatedly autoclaved up to 10 cycles of 30 minutes at 121°C

Particle Releasing

Meet the requirements of USP<788> Particulate matter, ≤ 25particles/ml at 10um, ≤ 3particles/ml at 25um

Pre-Flush

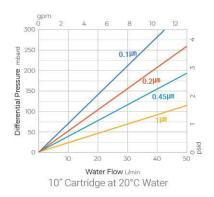
Pre-flushed with 18 $M\Omega$ UPW at 10LPM for 5min

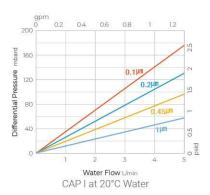
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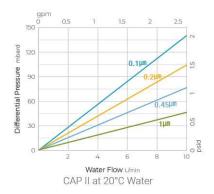


TYPICAL CLEAN WATER FLOW

CARTRIDGE & CAP







ORDERING INFORMATION



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001:1μm

FE

1.5" Ferrule

1/4" Hose Barb