



# ABS NOS FO™

Hydrophobic PVDF Nanofibrous Membrane Filters



## INDUSTRIES & APPLICATIONS

-  **Electronics** : Process chemicals
-  **Chemicals** : Acids, Bases, Solvents

ABSNOF FO™ are hydrophobic PVDF membrane filters designed for particulate matter removal in a wide range of applications.

ABSNOF FO™ is made up of PVDF nanofiber webs thinner than 200 nanometers, which maximizes the porosity of the filter media, which maximizes porosity of the filter media and results in high flow rate with a lower pressure drop and exceptional filter service life. The filter media has very narrow pore size distributions and provide higher particle removal efficiency as well.

## FEATURES & BENEFITS

- Nano fiber web provides higher particle removal efficiency with high flow rates
- High dust holding capacity reduces processing time and maintenance cost
- Cost-effective to reduce expenses
- No binders are present to interrupt product quality
- All polypropylene construction provides excellent chemical compatibility
- 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

### CAP I

- Length : 143, 216 mm
- Outer Diameter : 71 mm / 73 mm

### CAP II

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



### Capsule series CAP I and CAP II



\* For details, see the Appendix II – Capsule Filter Types

### Materials of Construction

- **Filtration Media** Hydrophobic PVDF (Polyvinylidene fluoride)
- **Support Media** Polypropylene
- **Inner Core** Polypropylene
- **Outer Cage** Polypropylene
- **End Caps** Polypropylene
- **Shell** Polypropylene
- **O-rings / Gaskets** Silicone, EPDM, 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

### Recommended Change Out Differential Pressure

- 2 bard (29.0 psid)

### Nominal Pore Sizes

- 0.2, 0.45, 0.6, 0.8, 1, 3, 5 µm

### Pre-Flush

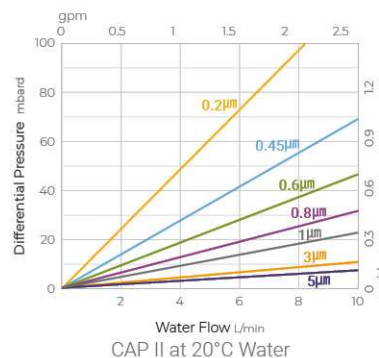
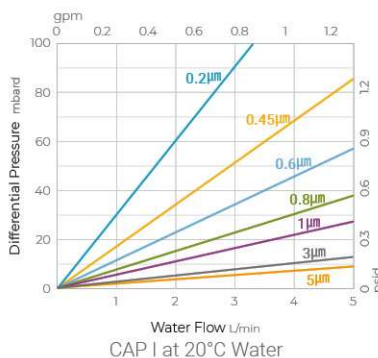
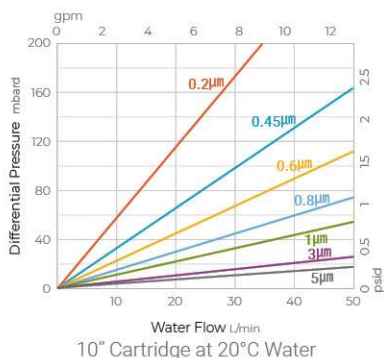
- Pre-flushed with 18 MΩ UPW at 10LPM for 5min

### Filtration Area

- Cartridge 68Ø : 0.6 m<sup>2</sup> / 10 inch
- CAP I : 0.11 m<sup>2</sup> / unit
- CAP II : 0.29 m<sup>2</sup> / unit

**TYPICAL CLEAN WATER FLOW**

**CARTRIDGE & CAP**



**ORDERING INFORMATION**

**CARTRIDGES**

①	②	③	④	⑤	⑥
<b>FEO</b>	<b>001</b>	<b>C7</b>	<b>S</b>	<b>10</b>	<b>F</b>
<b>MICRON RATING</b>		<b>END STYLE</b>	<b>SEALS</b>	<b>LENGTH</b>	<b>OPTION</b>
P20 : 0.2µm P45 : 0.45µm P60 : 0.6µm P80 : 0.8µm	001 : 1µm 003 : 3µm 005 : 5µm	C1 : DOE C2 : 226/FLAT C3 : c226/cFLAT E3 : 222/FLAT C7 : 226/SPEAR E8 : 222/FIN	S : Silicone E : EPDM V : Viton F : TEV	10 : 250mm 20 : 500mm 30 : 750mm 40 : 1,000mm 1E : 254mm 2E : 508mm 3E : 762mm 4E : 1,016mm	Blank : Standard F : UPW Flush

**CAPSULE SERIES**

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