

ABSPFA EO™

All Fluoropolymer Filters with Hydrophobic PTFE Membrane



INDUSTRIES & APPLICATIONS



Electronics : Process chemicals, Photoresists



Chemicals : Acids, Bases, Solvents

ABSPFA EO™ are all-fluoropolymer filters with hydrophobic PTFE membrane designed for a wide range of aggressive chemicals including acids, bases and solvents in the electronic applications.

ABSPFA EO™ utilizes a high security expended PTFE membrane with highest purity PFA fluoropolymer hardware, providing excellent chemical compatibility to almost aggressive chemicals.

FEATURES & BENEFITS

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

TECHNICAL DATA

Nominal Dimensions

- Cartridge 69Ø**
- Length : 250, 500, 750, 1000 mm
 - Inner Diameter : 30 mm
 - Outer Diameter : 69 mm

FLUX I

- Length : 250 mm
- Diameter (ID/OD) : 38 mm / 82 mm

Materials of Construction

- **Filtration Media** : Hydrophobic PTFE (Polytetrafluoroethylene)
- **Support Media** : PFA
- **Inner Core** : PFA
- **Outer Cage** : PFA
- **End Caps** : PFA
- **O-rings / Gaskets** : TEV (FEP encapsulated viton)

Max. Operating Temperature

- Cartridge : 180°C (356°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

Recommended Change Out Differential Pressure

2 bard (29.0 psid)

Nominal Pore Sizes

0.02, 0.03, 0.05, 0.1, 0.2, 0.45, 1, 5, 10 µm

Pre-Flush

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

Pre-Wet (Optional)

Pre-wetted with 18 MΩ UPW

Integrity

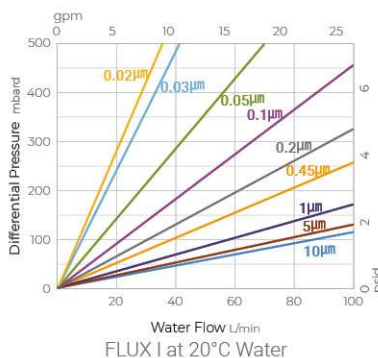
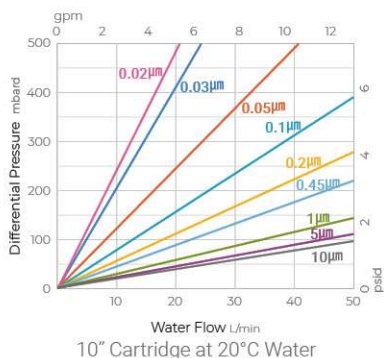
100% integrity tested

Filtration Area

- Cartridge 68Ø : 0.9 m² / 10 inch
- FLUX I : 1.3 m² / 10 inch

TYPICAL CLEAN WATER FLOW

CARTRIDGE & FLUX



ORDERING INFORMATION

CARTRIDGES

①	②	③	④	⑤	⑥
PFO	001	E3	V	10	G
MICRON RATING		END STYLE	SEALS	LENGTH	OPTION
P02 : 0.02µm	001 : 1µm	C1 : DOE	E : EPDM	10 : 250mm	Blank : without Prewet
P03 : 0.03µm	005 : 5µm	C2 : 226Lock/FLAT	V : Viton	20 : 500mm	P : Prewet <10ppb
P05 : 0.05µm	010 : 10µm	E3 : 222/FLAT	F : TEV	30 : 750mm	
P10 : 0.1µm		C7 : 226Lock/FIN		40 : 1,000mm	
P20 : 0.2µm		E8 : 222/FIN		1E : 254mm	
P45 : 0.45µm				2E : 508mm	
				3E : 762mm	
				4E : 1,016mm	

FLUX SERIES

①	②	③	④	⑤	⑥	⑦
F1	PFO	001	E3	V	10	G
FILTER TYPE	MICRON RATING		END STYLE	SEALS	LENGTH	OPTION
F1 : FLUX I	P02 : 0.02µm	001 : 1µm	E3 : 222/FLAT	S : Silicone	10 : 10"	Blank : without Prewet
	P03 : 0.03µm	005 : 5µm		E : EPDM		P : Prewet <10ppb
	P05 : 0.05µm	010 : 10µm		V : Viton		
	P10 : 0.1µm			F : TEV		
	P20 : 0.2µm					
	P45 : 0.45µm					
	001 : 1µm					
	005 : 5µm					
	010 : 10µm					