



ABSFLU EH™

Hydrophilic PTFE Membrane Filters for the Electronics



INDUSTRIES & APPLICATIONS

-  **Electronics** : Process chemicals, Photoresists
-  **Chemicals** : Acids, Bases, Solvents
-  **Battery** : Electrolyte

ABSFLU EH™ is a hydrophilic PTFE membrane filter designed for a wide range of aqua based aggressive chemicals including acids, bases and solvents in the electronic applications.

ABSFLU EH™ utilizes a highly efficient expanded PTFE membrane with high surface area, providing low pressure drop and long filter service life. It's available flushed with 18MΩ ultrapure water to minimize extractables and any particulate migration.

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
- 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



Flux series from FLUX I to FLUX V



* For details, see the Appendix I - Cartridge Filter Types

Capsule series CAP I and CAP II



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

Materials of Construction

- **Filtration Media** : Hydrophobic PTFE (Polytetrafluoroethylene)
- **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
- 1 bard (14.5 psid) at 80 °C

Recommended Change Out Differential Pressure

- 2 bard (29.0 psid)

Nominal Pore Sizes

- 0.05, 0.1, 0.2, 0.45, 1, 3, 5 µm

Pre-Flush

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

Pre-Wet (Optional)

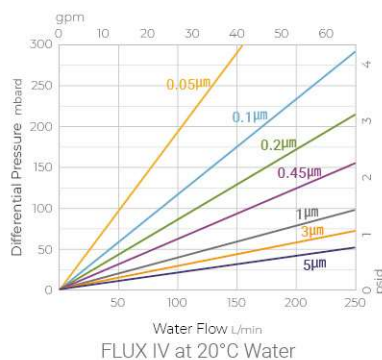
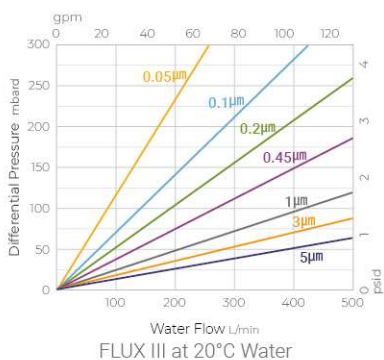
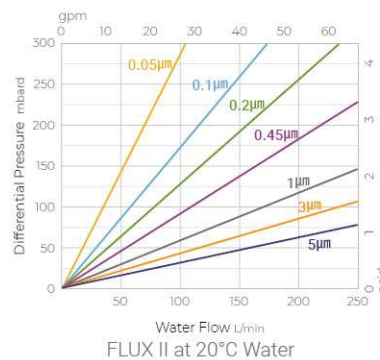
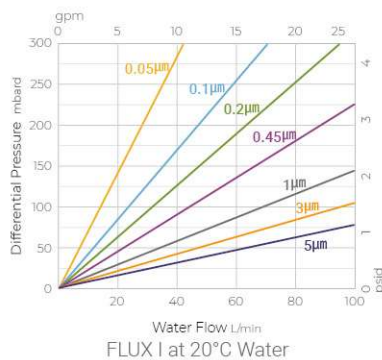
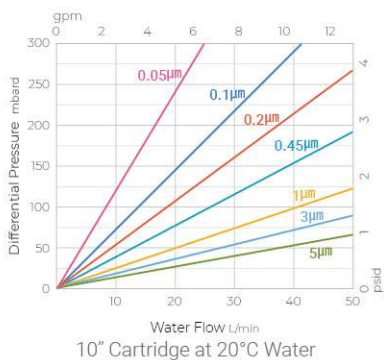
Pre-wetted with 18 MΩ UPW

Filtration Area

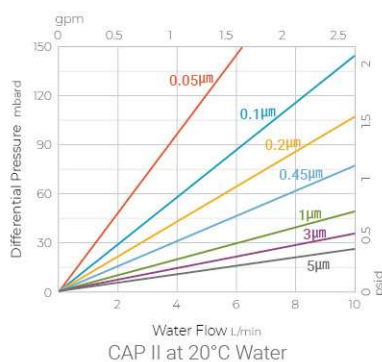
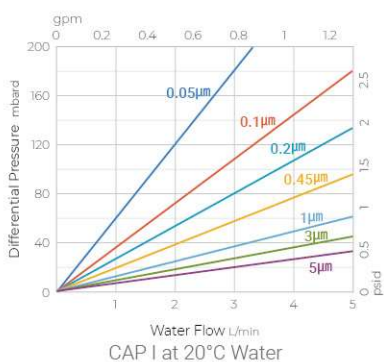
- Cartridge 68Ø : 0.7 m² / 10 inch
- FLUX I : 1.2 m² / 10 inch
- FLUX II : 2.9 m² / 10 inch
- FLUX III : 6.9 m² / 20 inch
- FLUX IV : 4.3 m² / 20 inch
- CAP I : 0.14 m² / unit
- CAP II : 0.34 m² / unit

TYPICAL CLEAN WATER FLOW

CARTRIDGE & FLUX



CAP



ABSFIL

ORDERING INFORMATION

CARTRIDGES

①	②	③	④	⑤	⑥
TEH	-	001	-	C7	P S 10 G
MICRON RATING		END STYLE		SEALS	LENGTH
P05 : 0.05µm P10 : 0.1µm P20 : 0.2µm P45 : 0.45µm 001 : 1µm 003 : 3µm 005 : 5µm		C1 : DOE C2 : 226Lock/FLAT C3 : c222/cFLAT E3 : 222/FLAT C7 : 226Lock/FIN 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
OPTION					
Blank : Standard F : UPW Flush G : UPW Flush & IT test					

FLUX SERIES

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