





ABSPRO GA™

PP Pleated Filters / Absolute Ratings



INDUSTRIES & APPLICATIONS

-  **Electronics** : Process chemicals, Photoresists, Plating solutions, Wash solutions
-  **Chemicals** : Acids, Bases, Solvents
-  **Coats** : Coating solutions, Paints, Inks
-  **Water treatment** : Process water clarification, Membrane pre-filtration

ABSPRO GA™ are absolute rated polypropylene pleated filters designed for a critical particle removal application with a reliable performance in water, chemical, food and beverage applications.

ABSPRO GA™ are composed of double layered polypropylene melt-blown media made with very fine fibers, providing for higher particle removal efficiency. These filters are the ideal choice for the membrane pre-filtration or cost-effective alternative to membrane filters.

FEATURES & BENEFITS

- Fixed pore construction of filter media provides stable particle removal and minimizes particle unloading
- Graded density pore structure provides a long filter life
- Double layered micro fiber melt-blown media construction provides long filter life and higher particle removal efficiency
- High flow rate and high dust holding capacity reduces processing time and maintenance cost
- Thermally bonded filter media minimizes fiber migration
- 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 : 68mm

FLUX I

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

FLUX II

- Length : 250 mm
- Diameter (ID/OD) : 52 mm / 131 mm

FLUX III

- Length : 508, 1016, 1524 mm
- Diameter (ID/OD) : 75 mm / 152 mm

FLUX IV

- Length : 508, 1016, 1524 mm
- Diameter (ID/OD) : 98 mm / 152 mm



Flux series from FLUX I to FLUX V



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

Materials of Construction

- Filtration Media Polypropylene
- Support Media Polypropylene
- Inner Core Polypropylene
- Outer Cage Polypropylene
- End Caps Polypropylene
- O-rings / Gaskets Silicone, EPDM, Viton, TEV

Max. Operating Temperature

80°C (176°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)

Micron Ratings

0.6, 0.8, 1, 2, 3, 5, 10, 20, 30 µm

99.98% (β-Ratio 5,000) in accordance with modified ASTM F-795-88

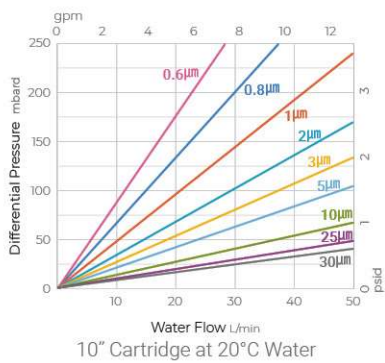
(Single pass, constant flow of 10LPM/10" cartridge, ISO standard dust A3 in water)

Filtration Area

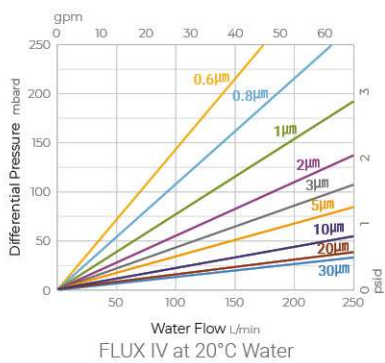
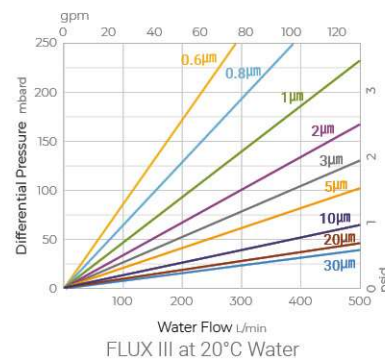
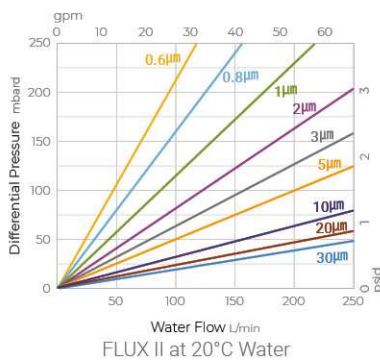
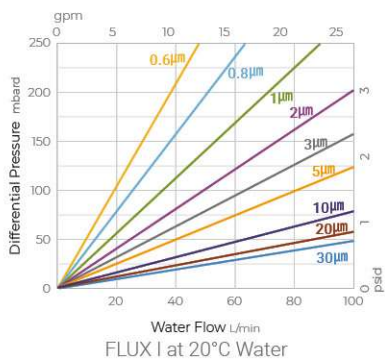
- Cartridge 68Ø : 0.55 m² / 10 inch
- FLUX I : 0.9 m² / 10 inch
- FLUX II : 2.3 m² / 10 inch
- FLUX III : 5.1 m² / 20 inch
- FLUX IV : 3.3 m² / 20 inch

TYPICAL CLEAN WATER FLOW

CARTRIDGE



FLUX



ABSFIL

ORDERING INFORMATION

CARTRIDGES

①	②	③	④	⑤
PGA	001	C1	S	10
	MICRON RATING	END STYLE	SEALS	LENGTH
	P60 : 0.6µm	C1 : DOE	S : Silicone	10 : 250mm
	P80 : 0.8µm	C2 : 226Lock/FLAT	E : EPDM	20 : 500mm
	001 : 1µm	C3 : c222/cFLAT	V : Viton	30 : 750mm
	002 : 2µm	E3 : 222/FLAT	F : TEV	40 : 1,000mm
	003 : 3µm	C7 : 226Lock/FIN		1E : 254mm
	005 : 5µm	E8 : 222/FIN		2E : 508mm
	010 : 10µm			3E : 762mm
	020 : 20µm			4E : 1,016mm
	030 : 30µm			

FLUX SERIES

①	②	③	④	⑤	⑥	
F1	PGA	001	C2	S	10	
FILTER TYPE	MICRON RATING	END STYLE		SEALS	LENGTH	
		TYPE	CODE		TYPE	CODE
F1 : FLUX I	P60 : 0.6µm		C2 : 226/FLAT	S : Silicone	FLUX I	
F2 : FLUX II	P80 : 0.8µm	FLUX I	C3 : 222/FLAT	E : EPDM	FLUX II	10 : 10"
F3 : FLUX III	001 : 1µm			V : Viton	FLUX V	
F4 : FLUX IV	002 : 2µm	FLUX II	2R : Standard O-Ring	F : TEV	FLUX III	20 : 20"
F5 : FLUX V	003 : 3µm		2U : U-CUP Ring		FLUX IV	40 : 40"
	005 : 5µm	FLUX III	3R : Standard O-Ring			60 : 60"
	010 : 10µm		3U : U-CUP Ring			
	020 : 20µm	FLUX IV	4S : Standard O-Ring			
	030 : 30µm	FLUX V	5S : Standard O-Ring			

