





ABSPRO GS™

PP Pleated Filters / Long Life



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 GS™ are polypropylene pleated filters designed for a wide range of pre-filtration with a reliable performance for filtration of water, process chemicals, acids, bases and solvents.

ABSPRO GS™ are composed of double layered polypropylene melt-blown media thermally bonded, providing for efficient particle removal efficiency with long filter service life.

FEATURES & BENEFITS

- Fine fiber melt-blown media and double layered construction meet a broad range of performance requirements
- High flow rate and high dust holding capacity reduces processing time and maintenance cost
- Cost-effective to reduce expenses
- 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

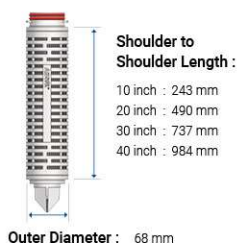
- Length : 250 mm
- Diameter (ID/OD) : 52 mm / 131 mm

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

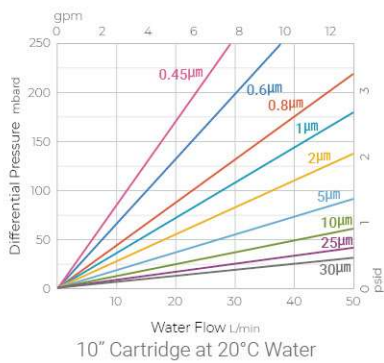
0.45, 0.6, 0.8, 1, 2, 5, 10, 20, 30 µm
 99% (β-Ratio 100) in accordance with modified ASTM F-795-88
 (Single pass, constant flow of 10LPM/10" cartridge, ISO standard dust A3 in water)

Filtration Area

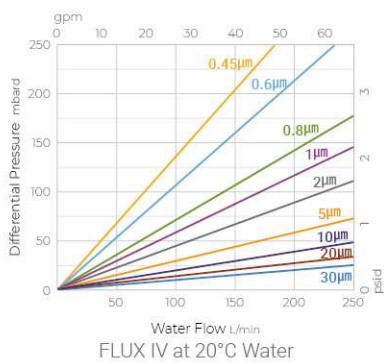
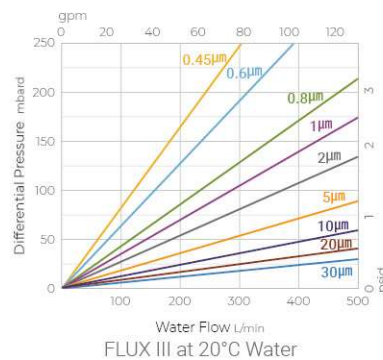
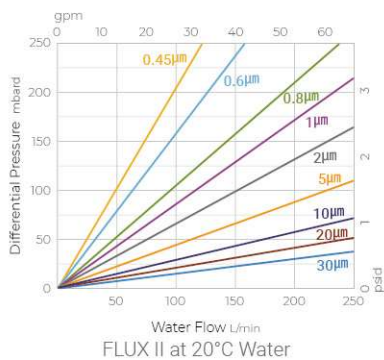
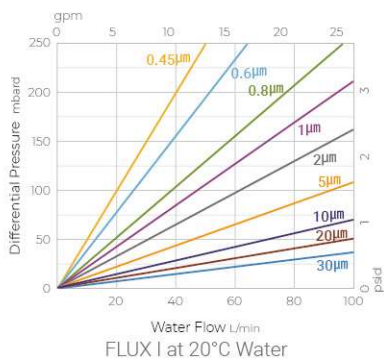
- Cartridge 68Ø : 0.55 m² / 10 inch
- FLUX I : 0.9 m² / 10 inch
- FLUX II : 2.3 m² / 10 inch
- FLUX III : 5.1 m² / 20 inch
- FLUX IV : 3.3 m² / 20 inch

TYPICAL CLEAN WATER FLOW

CARTRIDGE



FLUX



ABSFIL

ORDERING INFORMATION

CARTRIDGES

① PGS	② 001	③ C1	P	④ S	⑤ 10
MICRON RATING		END STYLE		SEALS	LENGTH
P45 : 0.45µm		C1 : DOE		S : Silicone	10 : 250mm
P60 : 0.6µm		C2 : 226Lock/FLAT		E : EPDM	20 : 500mm
P80 : 0.8µm		C3 : c222/cFLAT		V : Viton	30 : 750mm
001 : 1µm		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

FLUX SERIES

① F1	② PGS	③ 001	④ C2	P	⑤ S	⑥ 10	
FILTER TYPE	MICRON RATING		END STYLE		SEALS	LENGTH	
			TYPE	CODE		TYPE	CODE
F1 : FLUX I	P45 : 0.45µm			C2 : 226/FLAT	S : Silicone	FLUX I	
F2 : FLUX II	P60 : 0.6µm		FLUX I	C3 : 222/FLAT	E : EPDM	FLUX II	10 : 10"
F3 : FLUX III	P80 : 0.8µm			2R : Standard O-Ring	V : Viton	FLUX V	
F4 : FLUX IV	001 : 1µm		FLUX II	2U : U-CUP Ring	F : TEV	FLUX III	20 : 20"
F5 : FLUX V	003 : 3µm			3R : Standard O-Ring		FLUX IV	40 : 40"
	005 : 5µm		FLUX III	3U : U-CUP Ring			60 : 60"
	010 : 10µm		FLUX IV	4S : Standard O-Ring			
	020 : 20µm		FLUX V	5S : Standard O-Ring			

