







ABSPRO GN™

PP Pleated Filters / Nominal Ratings



INDUSTRIES & APPLICATIONS

-  **Electronics** : Process chemicals, Photoresists, Plating solutions, Wash solutions
-  **Chemicals** : Acids, Bases, Solvents
-  **Cosmetics** : Alcohol, Creams, Oils
-  **Coats** : Coating solutions, Paints, Inks
-  **Water treatment** : Process water clarification, Membrane pre-filtration
-  **Petrochemicals** : Amine process, Oils, Resins

ABSPRO GN™ are nominal rated 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 GN™ are composed of double layered polypropylene melt-blown media made with fine fibers. The construction provides very low pressure drops and extended filter life. These filters are the ideal choice for the prefiltration and the clarification of high contaminated fluids.

FEATURES & BENEFITS

- Micro fiber melt-blown media and 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
- 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

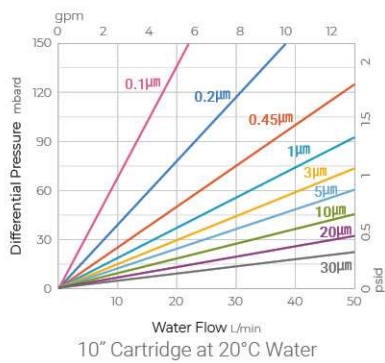
0.1, 0.2, 0.45, 1, 3, 5, 10, 20, 30 µm
 90% (β-Ratio 10) in accordance with modified ASTM F-795-88
 (Single pass, constant flow of 10LPM/10" cartridge, ISO standard dust A3 in water)

Filtration Area

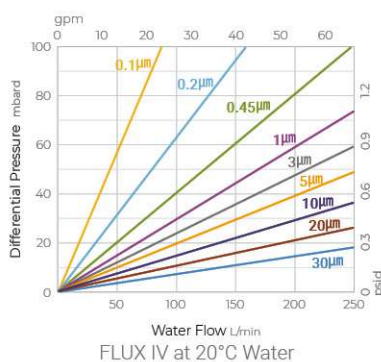
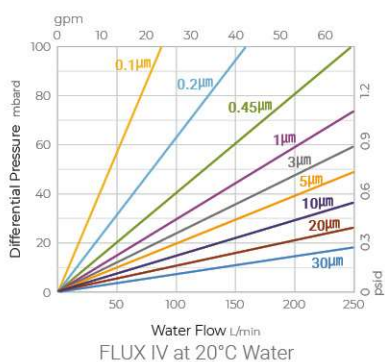
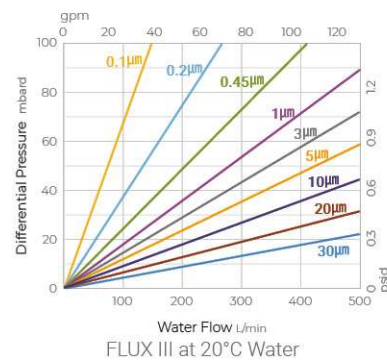
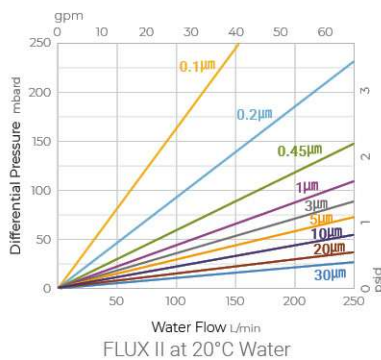
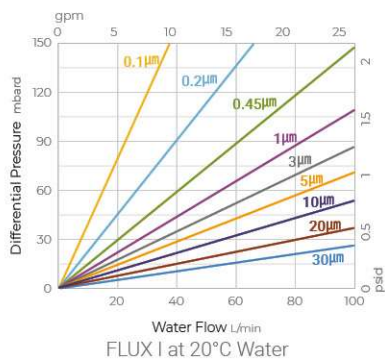
- Cartridge 68Ø : 0.55 m² / 10 inch
- FLUX I : 0.9 m² / 10 inch
- FLUX II : 2.3 m² / 10 inch
- FLUX III : 5.1 m² / 20 inch
- FLUX IV : 3.3 m² / 20 inch

TYPICAL CLEAN WATER FLOW

CARTRIDGE



FLUX



ABSFIL

ORDERING INFORMATION

CARTRIDGES

① PGN	② 001	③ C1	P	④ S	⑤ 10
MICRON RATING		END STYLE		SEALS	LENGTH
	P10 : 0.1µm	C1 : DOE		S : Silicone	10 : 250mm
	P20 : 0.2µm	C2 : 226Lock/FLAT		E : EPDM	20 : 500mm
	P45 : 0.45µm	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
	030 : 30µm				

FLUX SERIES

① F1	② PGN	③ 001	④ C2	P	⑤ S	⑥ 10	
FILTER TYPE	MICRON RATING		END STYLE		SEALS	LENGTH	
			TYPE	CODE		TYPE	CODE
F1 : FLUX I		P10 : 0.1µm		C2 : 226/FLAT	S : Silicone	FLUX I	
F2 : FLUX II		P20 : 0.2µm	FLUX I	C3 : 222/FLAT	E : EPDM	FLUX II	10 : 10"
F3 : FLUX III		P45 : 0.45µm	FLUX II	2R : Standard O-Ring	V : Viton	FLUX V	
F4 : FLUX IV		001 : 1µm		2U : U-CUP Ring	F : TEV	FLUX III	20 : 20"
F5 : FLUX V		003 : 3µm	FLUX III	3R : Standard O-Ring		FLUX IV	40 : 40"
		005 : 5µm		3U : U-CUP Ring			60 : 60"
		010 : 10µm	FLUX IV	4S : Standard O-Ring			
		020 : 20µm	FLUX V	5S : Standard O-Ring			
		030 : 30µm					

