






ABSFON G5™

PES Membrane Filters for General Use



INDUSTRIES & APPLICATIONS

-  **Electronics** : Process chemicals, Plating solutions, Wash solutions, Magnetic coatings
-  **Chemicals** : Acids, Bases, Solvents
-  **Cosmetics** : Process water, Alcohol, Creams, Oils
-  **Coats** : Inks
-  **Water treatment** : POU filtration

ABSFON G5™ are PES(polyethersulfone) membrane filters for general purpose use with competitive price in the filtration of water and aqueous chemicals.

ABSFON G5™ utilizes an asymmetric PES membrane, which has a pore morphology that delivers graded filtration throughout its depth, resulting in exceptional high flow rate and long filter life.

FEATURES & BENEFITS

- Asymmetric pore structure and thicker membrane provides high dust holding capacity and longer filter life
- Reliable and cost-effective to reduce expenses
- Inherently hydrophilic property minimizes initial pressure drop
- High flow rate
- 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

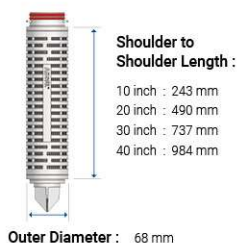
- Length : 250 mm
- Diameter (ID/OD) : 52 mm / 131 mm

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 : PES (Polyethersulfone)
- 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)

Nominal Pore Sizes

0.04, 0.1, 0.2, 0.45, 0.6, 0.8, 1.2 µm

Bacterial Retention

≥ LRV5

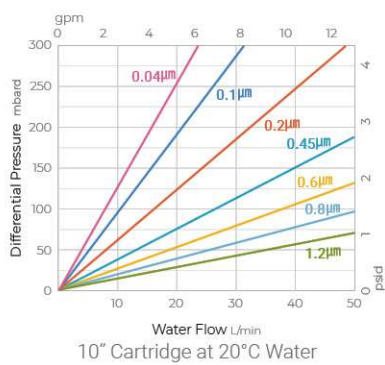
* Performed in accordance with ASTM F 838-15, ATCC 19146 Brevundimonas diminuta

Filtration Area

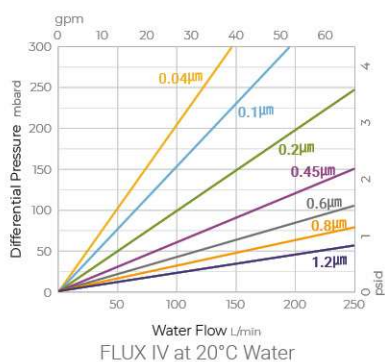
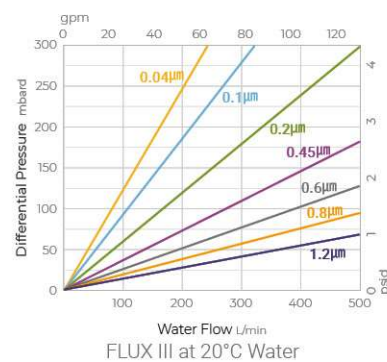
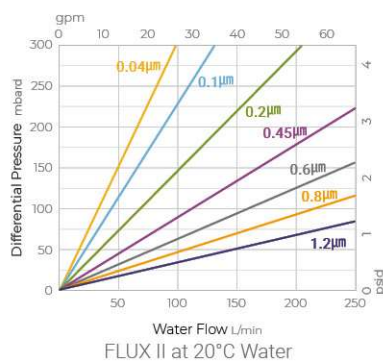
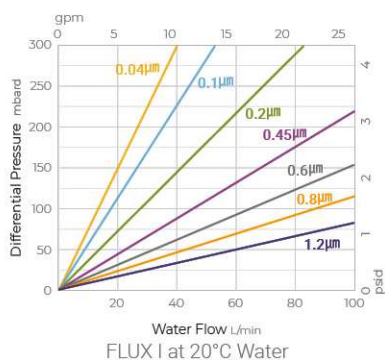
- Cartridge 68Ø : 0.6 m² / 10 inch
- FLUX I : 1.1 m² / 10 inch
- FLUX II : 2.5 m² / 10 inch
- FLUX III : 5.6 m² / 20 inch
- FLUX IV : 3.6 m² / 20 inch

TYPICAL CLEAN WATER FLOW

CARTRIDGE



FLUX



ABSFIL

ORDERING INFORMATION

CARTRIDGES

| ① | ② | ③ | ④ | ⑤ | ⑥ |
|---------------|------------|-------------------|---------------------|--------------|--------------|
| SG5 | 001 | E3 | P | S | 10 |
| MICRON RATING | | END STYLE | HARDWARE | SEALS | LENGTH |
| P04 : 0.04µm | | C1 : DOE | P : PP | S : Silicone | 10 : 250mm |
| P10 : 0.1µm | | C2 : 226Lock/FLAT | R : Glass filled PP | E : EPDM | 20 : 500mm |
| P20 : 0.2µm | | C3 : c222/cFLAT | | V : Viton | 30 : 750mm |
| P45 : 0.45µm | | E3 : 222/FLAT | | F : TEV | 40 : 1,000mm |
| P60 : 0.6µm | | C7 : 226Lock/FIN | | | 1E : 254mm |
| P80 : 0.8µm | | E8 : 222/FIN | | | 2E : 508mm |
| 1P2 : 1.2µm | | | | | 3E : 762mm |
| | | | | | 4E : 1,016mm |

FLUX SERIES

| ① | ② | ③ | ④ | ⑤ | ⑥ | | |
|---------------|---------------|------------|-----------|----------------------|--------------|----------|----------|
| F1 | SG5 | 001 | C2 | S | 10 | | |
| FILTER TYPE | MICRON RATING | | END STYLE | | SEALS | LENGTH | |
| F1 : FLUX I | P04 : 0.04µm | | TYPE | CODE | S : Silicone | TYPE | CODE |
| F2 : FLUX II | P10 : 0.1µm | | FLUX I | C2 : 226/FLAT | E : EPDM | FLUX I | |
| F3 : FLUX III | P20 : 0.2µm | | | C3 : 222/FLAT | V : Viton | FLUX II | 10 : 10" |
| F4 : FLUX IV | P45 : 0.45µm | | FLUX II | 2R : Standard O-Ring | F : TEV | FLUX V | |
| | P60 : 0.6µm | | | 2U : U-CUP Ring | | FLUX III | 20 : 20" |
| | P80 : 0.8µm | | FLUX III | 3R : Standard O-Ring | | | 40 : 40" |
| | 1P2 : 1.2µm | | | 3U : U-CUP Ring | | FLUX IV | 60 : 60" |
| | | | FLUX IV | 4S : Standard O-Ring | | | |

