

ABSLAS GA™

Fiber Glass Filters / Absolute Ratings



INDUSTRIES & APPLICATIONS

- Food & Beverage** : Bottle water, Beers, Wines, Syrups, Soft drinks
- Pharmaceuticals** : Membrane pre-filtration, Vent, Air & Gases, Endotoxin reduction
- Chemicals** : Acids, Bases, Solvents
- Cosmetics** : Alcohol, Creams, Oils, Vent, Air & Gases
- Coats** : Coating solutions, Paints, Inks
- Petrochemicals** : Oils, Resins

ABSLAS GA™ are absolute rated fiber glass pleated filters designed for a wide range of filtration of air, gas, water, process chemicals, beverages and biopharmaceutical liquids.

ABSLAS GA™ utilizes fiber glass media as a main filter media and combines the strength of polypropylene melt-blown media. The combination construction provides consistent and reliable filtration performance at a wide range of operating conditions.

FEATURES & BENEFITS

- Combined filter media construction provides consistent and reliable filtration performance
- Graded density filter media structure provides increased dust holding capacity and reduces processing time and maintenance cost to change
- Polypropylene filter media minimizes fiber migration
- High flow rate
- 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

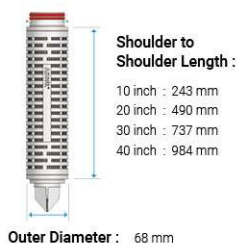
- Length : 250 mm
- Diameter (ID/OD) : 52 mm / 131 mm

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** : Fiber Glass
- **Support Media** : Polypropylene
- **Inner Core** : Polypropylene
Glass filled Polypropylene
- **Outer Cage** : Polypropylene
Glass filled Polypropylene
- **End Caps** : Polypropylene
Glass filled 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

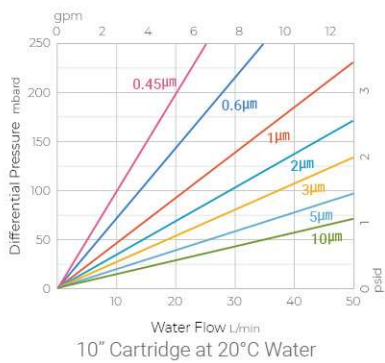
0.45, 0.6, 1, 2, 3, 5, 10 µm
99.98% (β-Ratio 5000) in accordance with modified ASTM F-795-88
(Single pass, constant flow of 10LPM/10" cartridge, ISO standard dust A3 in water)

Filtration Area

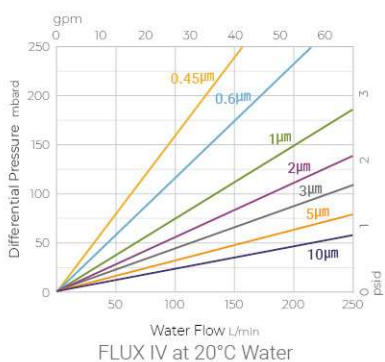
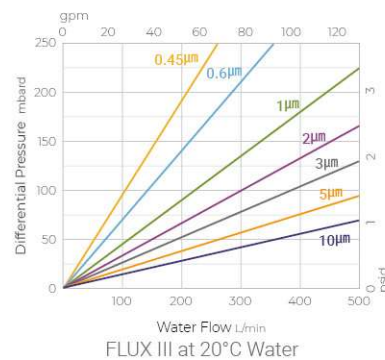
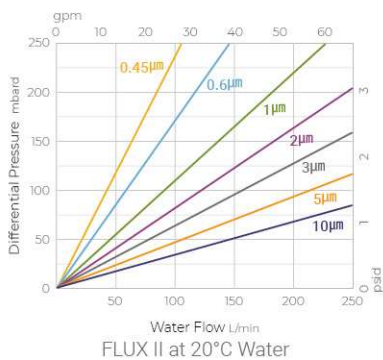
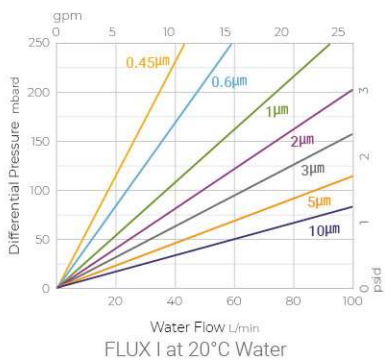
- **Cartridge 68Ø** : 0.4 m² / 10 inch
- **FLUX I** : 0.7 m² / 10 inch
- **FLUX II** : 1.5 m² / 10 inch
- **FLUX III** : 3.8 m² / 20 inch
- **FLUX IV** : 2.3 m² / 20 inch

TYPICAL CLEAN WATER FLOW

CARTRIDGE



FLUX



ABSFIL

ORDERING INFORMATION

CARTRIDGES

| ① | ② | ③ | ④ | ⑤ | ⑥ | | | | |
|---------------|---|-------------------|---|---------------------|---|--------------|----|--------------|--|
| GGA | - | 001 | - | E3 | P | S | 10 | | |
| MICRON RATING | | END STYLE | | HARDWARE | | SEALS | | LENGTH | |
| P45 : 0.45µm | | C1 : DOE | | P : PP | | S : Silicone | | 10 : 250mm | |
| P60 : 0.6µm | | C2 : 226Lock/FLAT | | R : Glass filled PP | | 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 | |
| | | | | | | | | 4E : 1,016mm | |

FLUX SERIES

| ① | ② | ③ | ④ | ⑤ | ⑥ | | | | |
|---------------|-----|---------------|-----|----------------------|----|--------------|---|-------------------|--|
| F1 | GGA | - | 001 | - | C2 | P | S | 10 | |
| FILTER TYPE | | MICRON RATING | | END STYLE | | SEALS | | LENGTH | |
| F1 : FLUX I | | P45 : 0.45µm | | TYPE CODE | | S : Silicone | | TYPE CODE | |
| F2 : FLUX II | | P60 : 0.6µm | | FLUX I C2 : 226/FLAT | | E : EPDM | | FLUX I | |
| F3 : FLUX III | | 001 : 1µm | | C3 : 222/FLAT | | V : Viton | | FLUX II 10 : 10" | |
| F4 : FLUX IV | | 002 : 2µm | | 2R : Standard O-Ring | | F : TEV | | FLUX V | |
| F5 : FLUX V | | 003 : 3µm | | 2U : U-CUP Ring | | | | FLUX III 20 : 20" | |
| | | 005 : 5µm | | 3R : Standard O-Ring | | | | 40 : 40" | |
| | | 010 : 10µm | | 3U : U-CUP Ring | | | | FLUX IV 60 : 60" | |
| | | | | 4S : Standard O-Ring | | | | | |
| | | | | 5S : Standard O-Ring | | | | | |

