







# ABSLAS GS™

Fiber Glass Filters / High Flow Rate



## 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
-  **Coats** : Coating solutions, Paints, Inks
-  **Petrochemicals** : Oils, Resins

ABSLAS GS™ are fiber glass pleated filters designed for a wide range of pre-filtration of air, gas, water, process chemicals, beverages and biopharmaceuticals.

ABSLAS GS™ 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
- High flow rate
- Polypropylene filter media minimizes fiber migration
- Cost-effective to reduce expenses
- 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

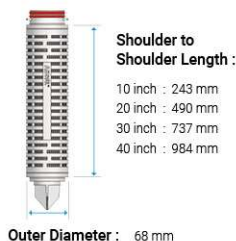
- Length : 250 mm
- Diameter (ID/OD) : 52 mm / 131 mm

### 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

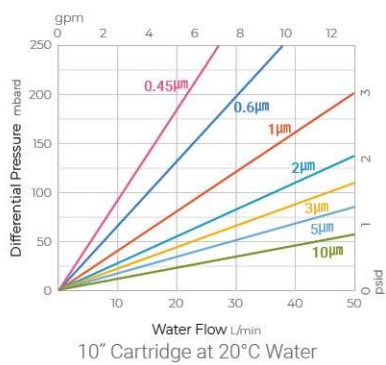
0.45, 0.6, 1, 2, 3, 5, 10 µm  
99% (β-Ratio 100) in accordance with modified ASTM F-795-88  
(Single pass, constant flow of 10LPM/10" cartridge, ISO standard dust A3 in water)

## Filtration Area

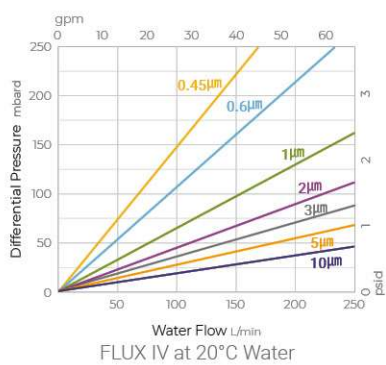
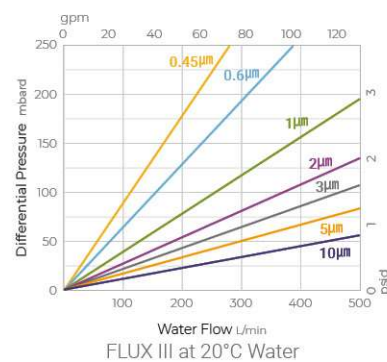
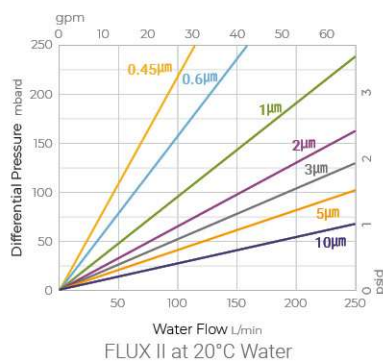
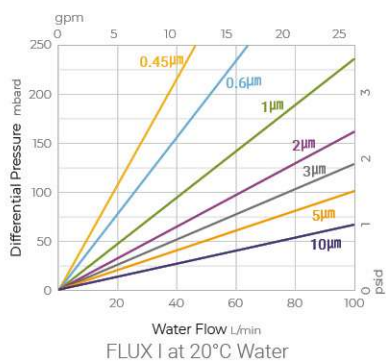
- Cartridge 68Ø : 0.4 m<sup>2</sup> / 10 inch
- FLUX I : 0.7 m<sup>2</sup> / 10 inch
- FLUX II : 1.5 m<sup>2</sup> / 10 inch
- FLUX III : 3.8 m<sup>2</sup> / 20 inch
- FLUX IV : 2.3 m<sup>2</sup> / 20 inch

**TYPICAL CLEAN WATER FLOW**

**CARTRIDGE**



**FLUX**



**ABSFIL**

**ORDERING INFORMATION**

**CARTRIDGES**

①	②	③	④	⑤	⑥
<b>GG5</b>	<b>001</b>	<b>E3</b>	<b>P</b>	<b>S</b>	<b>10</b>
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		
<b>F1</b>	<b>GG5</b>	<b>001</b>	<b>C2</b>	<b>S</b>	<b>10</b>		
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		FLUX II	2R : Standard O-Ring	F : TEV	FLUX V	
F5 : FLUX V	003 : 3µm			2U : U-CUP Ring		FLUX III	20 : 20"
	005 : 5µm		FLUX III	3R : Standard O-Ring			40 : 40"
	010 : 10µm			3U : U-CUP Ring		FLUX IV	60 : 60"
			FLUX IV	4S : Standard O-Ring			
			FLUX V	5S : Standard O-Ring			

