






ABSPRO BGA™

PP Pleated Filters for the Pharmaceuticals / Absolute Ratings



INDUSTRIES & APPLICATIONS

-  **Food & Beverage** : Bottle water, Beers, Wines, Syrups, Soft drinks
-  **Pharmaceuticals** : Membrane pre-filtration
-  **Electronics** : Process chemicals, Plating solutions, Wash solutions
-  **Cosmetics** : Process water, Alcohol, Creams, Oils
-  **Water treatment** : Process water clarification, Membrane pre-filtration

ABSPRO BGA™ are absolute rated polypropylene pleated filters designed for a wide range of both pre-filtration and final filtration with a reliable performance in food, beverage, cosmetic, bio and pharmaceutical applications.

ABSPRO BGA™ are made up of double layered polypropylene melt-blown media, providing for very low pressure drops and high flow rates. These filters are the ideal choice for the pre-filtration to membrane filters by extending the life of the membrane filters and hence reducing filtration costs.

FEATURES & BENEFITS

- Very thin fiber melt-blown media of the filter meet a broad range of performance requirements
- Fixed pore and graded density filter media construction provides consistent and reliable filtration performance
- All polypropylene construction provides excellent chemical compatibility and very low level of extractables
- Available in a wide range of end styles and micron ratings
- All materials of construction are FDA listed and conform to the relevant requirements of 21 CFR 177 and USP <88> Class VI-121°C, plastics

TECHNICAL DATA

Nominal Dimensions

- **Cartridge 68Ø**
- Length : 250, 500, 750, 1000 mm
- Inner Diameter : 30 mm
- Outer Diameter : 68mm

CAP I

- Length : 143, 216 mm
- Outer Diameter : 71 mm / 73 mm

CAP II

- Length : 203, 212 mm
- Outer Diameter : 97 mm



Max. Operating Temperature

- Cartridge : 80°C (176°F)
- Capsules : 60°C (140°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

0,6, 0,8, 1, 2, 3, 5, 10, 20, 30 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)

Capsule series CAP I and CAP II



* For details, see the Appendix II – Capsule Filter Types

Materials of Construction

- **Filtration Media** Polypropylene
- **Support Media** Polypropylene
- **Inner Core** Polypropylene
- **Outer Cage** Polypropylene
- **End Caps** Polypropylene
- **Shell** Polypropylene
- **O-rings / Gaskets** Silicone, EPDM, Viton, TEV

Filtration Area

- **Cartridge 68Ø** : 0.55 m² / 10 inch
- **CAP I** : 0.12 m² / unit
- **CAP II** : 0.26 m² / unit

Food Contact Compliance

All materials of construction are FDA listed and conform to the relevant requirements of 21 CFR 177

Biological Safety

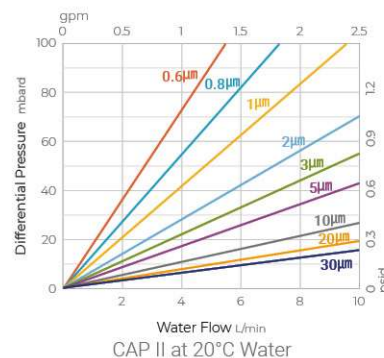
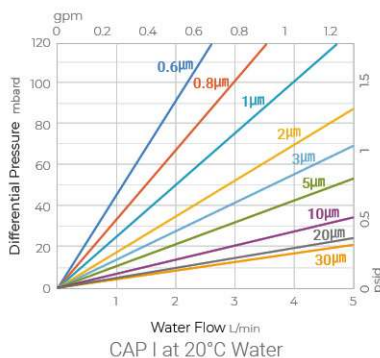
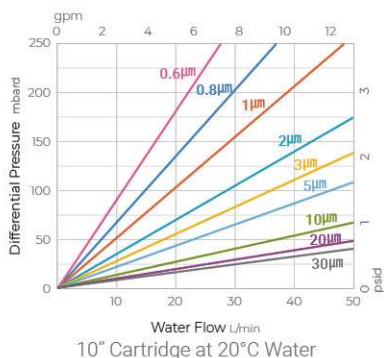
All materials of construction are conform to the relevant requirements of USP <88> Class VI-121°C, plastics

Particle Releasing

Meet the requirements of USP<788>
 Particulate matter, ≤ 25particles/ml at 10µm, ≤ 3particles/ml at 25µm

TYPICAL CLEAN WATER FLOW

CARTRIDGE & CAP



ORDERING INFORMATION

CARTRIDGES

①	②	③	④	⑤	⑥
BGA	001	E3	S	10	G
MICRON RATING		END STYLE	SEALS	LENGTH	OPTION
P60 : 0.6µm	010 : 10µm	C1 : DOE	S : Silicone	10 : 250mm	Blank : Standard
P80 : 0.8µm	020 : 20µm	C2 : 226Lock/FLAT	E : EPDM	20 : 500mm	F : UPW Flush
001 : 1µm	030 : 30µm	C3 : c222/cFLAT	V : Viton	30 : 750mm	S : STS Insert
002 : 2µm		E3 : 222/FLAT	F : TEV	40 : 1,000mm	
003 : 3µm		C7 : 226Lock/FIN		1E : 254mm	
005 : 5µm		E8 : 222/FIN		2E : 508mm	
				3E : 762mm	
				4E : 1,016mm	

CAPSULE SERIES

①	②	③	④	⑤	⑥	⑦
C1	BGA	001	S6	S	1S	F
FILTER TYPE		END STYLE			LENGTH	
C1 : CAP I		TYPE	CODE	In/Out Connection	Vent / Drain	TYPE
C2 : CAP II			S6	1/4" Swagelok	1/8" Swagelok	CAP 1
			N6	1/4" NPT		1S : Standard
		CAP 1	F3	1/8" Flaretek	1/8" NPT	CAP 2
			F9	3/8" Flaretek		2S : Standard
			P6	1/4" Super Pillar	1/8" Luer	
			CL	CL	NA	
		CAP 2	F9	3/8" Flaretek		
			FE	1.5" Ferrule	1/4" Hose Barb	
MICRON RATING		SEALS			OPTION	
P60 : 0.6µm	005 : 5µm	X : NA				Blank : Standard
P80 : 0.8µm	010 : 10µm	S : Silicone				F : UPW Flush
001 : 1µm	020 : 20µm	E : EPDM				
002 : 2µm	030 : 30µm	V : Viton				
003 : 3µm		F : TEV				