

GLA Capsules

Pleated filter media in Glass Fiber

Filtration grade : from 0.5 to 5 micron

Prefiltration and polishing of pharmaceutical, biological, chemical, solvents, perfumes, mouthwashes, water, wine, beer, beverages.

PRODUCT INFORMATION

GLA capsules are built with a polypropylene casing and with a Filter GLA filtering module, containing a filter media of positively charged borosilicate fibers fixed to a depth support. They have high mechanical, thermal and chemical resistance.

In addition to the sieving effect by size, the positively charged filter media associates the retention by adsorption of colloids, organic material and bacteria with negative electrical charge

The optimized pleating and the large filtering surface guarantee autonomy and long operating life.

The polypropylene that makes up the capsule is chemically inert to proteins, colloids, aromas and do not alter the filtered fluid.

Filtration grade

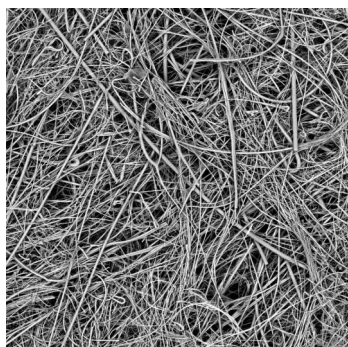
0,5; 1,0; 2,0; 3,0; 5,0 micron

Length

5" - 10" - 20" - 30" inches with filtering module of Ø 70mm
2,5" - 5" inches with filtering module of Ø 56mm (Junior)

Connections

Clamp, Hose barb, Threaded (check the information section to order)



GLA capsule
Electron microscope photography

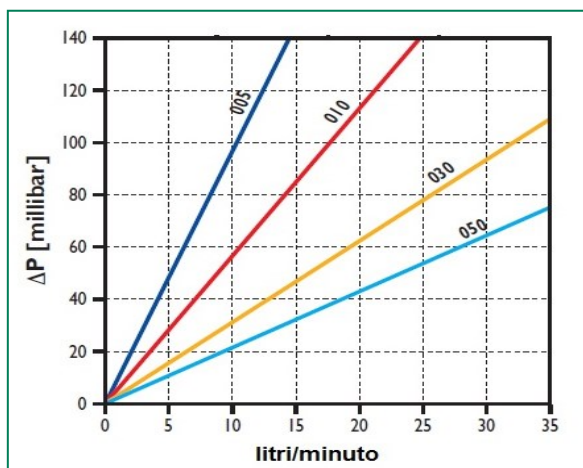


GLA Capsules:

- ⇒ Produced in clean room
- ⇒ Compliant with USA and CE rules
- ⇒ Wide range of filtration grade

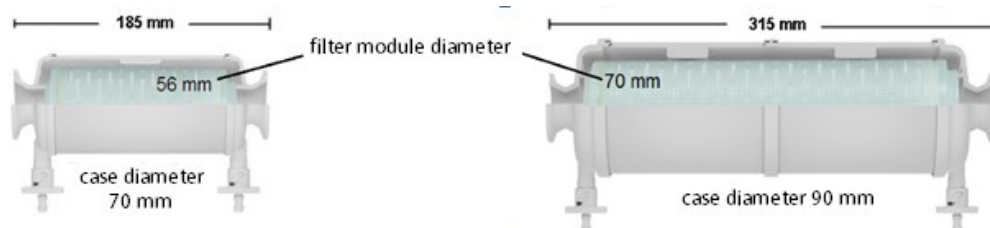
GLA capsule performances

Water at 20°C per 10" Capsule



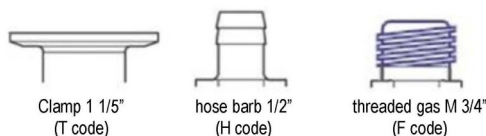
SPECIFICATIONS

Materials of construction		Particles retention per filtration grade	
Capsule casing	Polypropilene	>99,8% on the particle of the indicated filtration grade	
Or vent drain valves	Silicone standard		
Filter Media	Glass micro fiber		
Support and drainage layers	Polypropilene		
Filtering media cage	Polypropilene		
Operatin Parameters		Sterilization and sanification	
Maximum operating temperature	50°C	In autoclave	Up to 130°C for 30 minutes
Maximum operating pressure	5,0 bar at 20°C	Hot water	Up to 50°C for 30 minutes
Dimensions of the filtering module		Integrity Test	
Junior (esternal Ø 56mm) Length: 2,5" - 5" inches Standard (esternal Ø 70mm) Length: 5", 10", 20", 30" inches		NOT APPLICABLE TO NON-MEMBRANE FILTERS	
Biological Security and extractables		Regulatory compliance	
Capsules pass toxicity tests of particles and fibers release. They comply with USP requests for TOC, conductivity and bacterial endotoxins (determined with LAL test)		The materials comply with the requirements of 21 CFR Part 177, USP Class VI - 121°C for plastic products and Regulation 1935/2004/EC for contact with food products.	



INFORMATION TO ORDER

Connections IN/OUT:



GLA	T	10	005	S
Product information	Connections	Length	Filtration grade	Gaskets
	T= clamp 1 1/2" H= Hose barb 1/2" F= Threaded / gas male 3/4" S= staubli hose barb A= threaded NPT 1/2" for junior B= threaded NPT 1/4" for junior	Module Ø 70 mm	005= 0,5µm 010 = 1,0µm 030= 3,0 µm 050 = 5,0 µm	E = EPDM S = Silicone V = FPM X = FEP
		05=5"		
		10=10"		
		20=20"		
		Module Ø 56 mm		
		J5=5.0"		
		J2=2.5"		

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IPM reserves the right to modify any product feature for technical reasons to offer customers the best technology.
For clarifications, please contact IPM.

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SISTEMI DI FILTRAZIONE