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FilterGLA

Pleated filter media built in glass fiber



Filtration rate: from 0.5 to 5.0 micron
Prefiltration and polishing of pharmaceutical, biological, chemical, solvents, perfumes, mouthwashers, water, wine, beer and beverages products.

FilterGLA cartridges are built with a positively charged borosilicate fibers filter media attached to a depht support; this technology provides high mechanical, thermal and chemical resistance to the filter media, which is virtually free from fiber release.

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

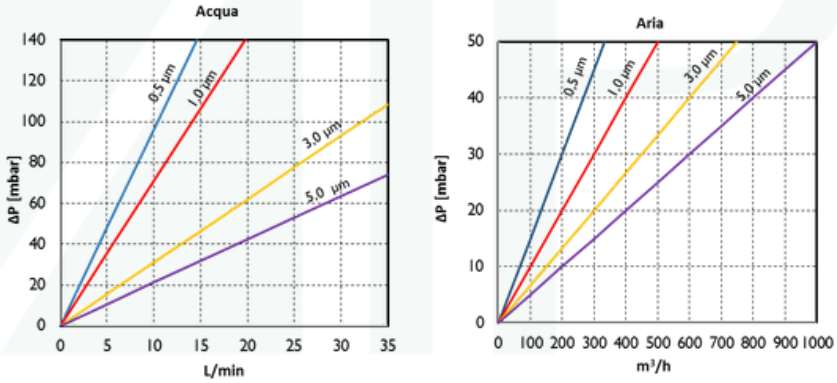
Optimized pleating for maximum service life and contaminant storage capacity.

Filtration rate
0,5 - 1,0 - 3,0 - 5,0 micron

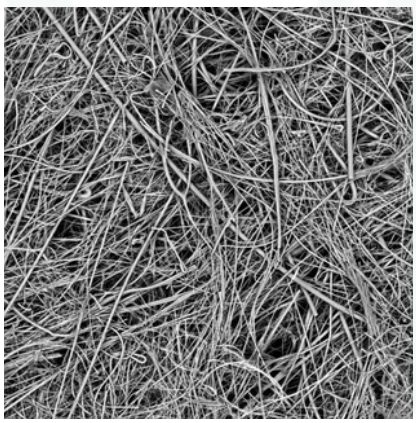
Height
10 - 20 - 30 - 40 inches in standard module
5 inches in Junior module

Adapters
Available with the most common connectors (see information to order)

FilterGLA performances



Water flow rate at 20°C and air for a 10" cartridge



FilterGLA: electron microscope photograph

SPECIFICATIONS

Construction materials

Filter media	**Glass microfiber**
Support and drainage layers	Polypropylene
Cage	Polypropylene
Adapter insert	AISI316L

Microbial Removal Efficiency

>99.9%	On the particle of the indicated filtration grade

Operating parameters

Maximum operating temperature	70°C
Maximum ΔP in forward flow	4,8 bar at 40°C
Maximum ΔP in reverse flow	1,0 bar at 20°C

Sterilization and sanification

Steam	Up to 130°C for 30 minutes
Hot water	Up to 90°C for 30 minutes

Cartridge dimensions

Junior	Lenght: 125 mm
	External diameter: 56 mm
Standard	Lenght: 250, 500, 750, 1000 mm
	External diameter: 70 mm

Integrity Test values

NOT APPLICABLE TO NON MEMBRANE FILTERS

INFORMATION TO ORDER



J	D	2	3	5	7	8

GLA	7	10	005	S	I	PH
Product identification	Adapters	Lenght	Filtration rate	Gaskets	Insert	Version
	D = DOE (double opened end) **2** = OR226/2 bayonets/ without fin **3** = OR222/without fin **5** = OR222/3 bayonets/with fin **7** = OR226/2 bayonets/with fin **8** = OR222/with fin	10=10” 20=20” 30=30” 40=40”	005 = 0,5 µm 010 = 1,0 µm 030 = 3,0 µm 050 = 5,0 µm	E= EPDM S= Silicone V= FPM X= FEP	I = with (*) 0 = without (*) when filter has to be sterilized by steam	PH = Pharma version
	J = JUNIOR	05=5,0”				

Quality standard

- *Produced in clean room*
- *Conform to USA and CE rules*
- *Wide filtration rate range*
- *Complete range of adapters*

Bio - safety standard

Cartridges pass toxicity tests of particles and fibers release.
They conform to USP requests for TOC, conductivity and bacterial endotoxins (determined with LAL test)

Regulatory Compliance

Materials conform to requirements of CFR21 Part 177 from USP, IV Class - 121°C for plastic products and to the rule n. 1935/2004/CE for contact with food.

Document n° DSGLAGB002 issued in Italy 11/2026

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

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