

FilterGLAS

PRODUCT INFORMATION

The FilterGLAS cartridges are built with a filter septum of positively charged borosilicate fibers fixed to a depth support; this technology confers high mechanical 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 associates the retention by adsorption of colloids, organic material and bacteria with negative electrical charge.

Optimized pleating for maximum service life and contaminant storage capacity.

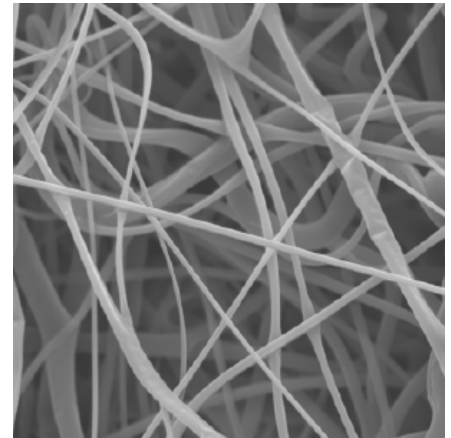
Filtration degree: from 0.5 to 5.0 microns

Absolute retention > 99.98% on particles of the indicated filtration degree.

FilterGLAS meets the requirements for food contact with water solution (Excluding alcoholic and fatty foods) or for air/gas filtration for particle removal.

QUALITY STANDARDS

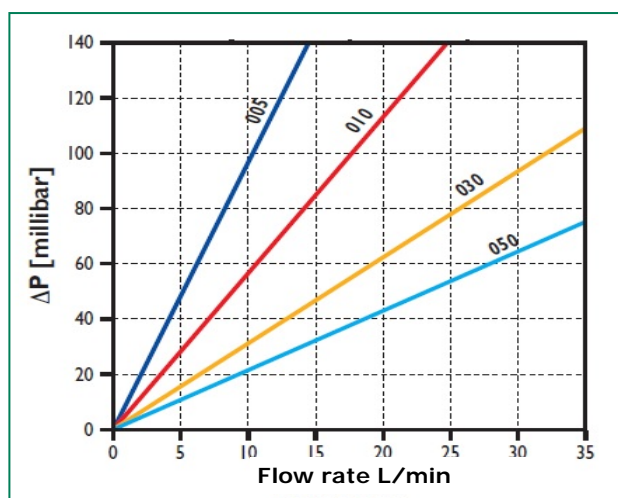
Designed, developed and manufactured in accordance with an ISO 9001 .certified Quality Management System



FilterGLAS: Electron microscope photography

Typical Liquid Flow vs. Differential Pressure

Water at 20°C per 10" module

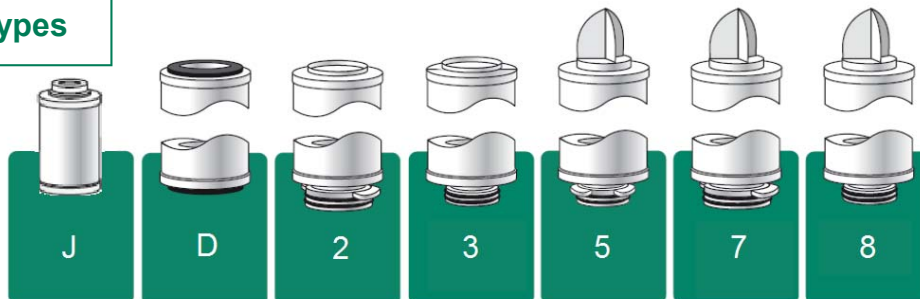


Specifications

Materials of Costruction		Microbial Removal Efficiency	
Filter Media	polypropylene	< 99,98 % (ASTM 795)	Absolute rated– Filter performance Consistent and reproducible contaminant removal
Support and drainage layers	polypropylene		
Cage	polypropylene		
Adapter ilnsert	AISI316L		
Operating Parameters		Sterilization	
Maximum operating temperature	Up to 70°C	Steam	Up to 130 °C per 30 minuties
Maximum differential pressure	5,5 bar at 24°C	Hot water	Up to 90°C per 30 minutes
Forward direction	1,8 bar at 24°C		
Nominal Dimintions		Integrity Test Values	
<i>Junior</i> Length: 62, 125 mm, Diameter: 56 mm		NOT APPLICABLE TO NON-MEMBRANE FILTERS	
<i>Standard</i> Length: 250, 500, 750, 1000 mm, Diameter. 70 mm			

ORDER INFORMATION

Adater types



GLA	7	10	005	S	I	PH
Product identification	Adapter	Length	Filtration Rating	Gaskets o-rings	Insert	Version
GLA	D = DOE (double open end) 2 = OR226/2 bayonet without fin 3 = OR222/without fin 5 = OR222/ 3 bayonet s with fin 7 = OR226/2 bayonet with fin 8 = OR222/ with fin	10=10" 20=20" 30=30" 40=40"	005 = 0.5 µm 010 = 1.0 µm 020 = 2.0 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"				

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

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