

PoreCap® MicroGlassfiber Capsule Filters



The PoreCap® series of MGF (MicroGlassfiber) capsule filters are ideal pre-filters for sterilizing membrane cartridge filters. A Glass Fiber upstream layer retains fine colloidal particles and a downstream polypropylene layer prevents any kind of media migration. They are designed for high particle retention, dirt holding and pre-filtration applications. These are available in the pore rating of 0.5, 1µm, 1.5µm and 2µm with 1-10 inch sizes. Each GF cartridge filter is validated for flow rate, heat stability, fiber particle release, extractables and bio-safety.

Special Features & Benefits

- ✓ Superior throughput and High dirt holding capacity
- ✓ Wide biological and chemical compatibility
- ✓ Excellent Water wettability
- ✓ Absolute retention 99.999%

Key Applications

- Particulate/ coarse removal
- Pre-filtration of SVP & LVP
- Precipitate removal
- Polishing of turbid solutions
- Water & aqueous filtration
- To extend membrane filter life
- Haziness reduction- Chill Haze removal due to fusel oils, fatty acids and esters presence

Our PoreCap® Capsule filters are quality assured for retention efficiency, integrity test and flow rate and validated for Heat Stability, Beta ratio test, fiber particle release, extractables and biosafety

In Compliance with Global Standards

Bacterial Endotoxin	<i>The filtrate/Aqueous extraction from downstream of the filter exhibited endotoxin result < 0.25 EU/mL when tested as per USP <85> methodology</i>
Oxidizable Substances	<i>Oxidizable matter in filtered water meets the USP <1231> Oxidizable Substance Test requirements</i>
Non-fiber Releasing	<i>Meets the criteria for a "non-fiber releasing" filter as defined in 21 CFR 210.3(b)(6).</i>
Particle Shedding	<i>Meets Cleanliness per USP <788> for Particulates in Injectables</i>
Extractable with water	<i>Extractable passes within limit as specified by USP <661></i>
TOC/ Conductivity	<i>Meets the USP <643> for Total Organic Carbon Meets the USP <645> for Water Conductivity</i>

- Manufactured in an ISO Class 8 Cleanroom Environment
- Complete Qualification Guide Available
- Critical raw material used for manufacturing are Compliant with FDA Indirect Food Additive requirements cited in 21 CFR 177.1520 & 21 CFR 177.2440
- Comply with USP <88> Reactivity Test for Class VI plastics
- Wide Chemical Compatibility
- 100% Integrity Tested

TECHNICAL SPECIFICATIONS

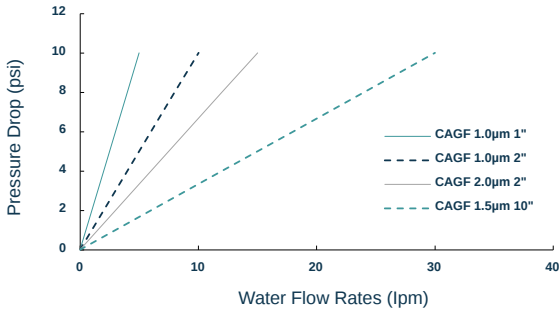


CONSTRUCTION MATERIALS

Filter Media: *Microglassfiber*

Supporting Media: *Polyester*

Core & Cage: *Polypropylene*



MAXIMUM OPERATING DIFFERENTIAL PRESSURE AND TEMPERATURE

Max Temp 80 °C @ $\leq 2 \text{ Kg/cm}^2$

Max Pressure 4100 mbar (60 psi) @ 30 °C

Autoclavable 30 autoclave cycles of 30 minutes at 121 °C

ORDERING INFORMATION CODES:

Type		Size		Pore Size		I/O Connection		Bell		
Type	Code	Length	EFA	Code	Micron	Code	Connection	Code	Code	
Glass fiber Capsule Filter	CAGF	1"	.015m ²	A	0.50 µm	050	1/4" SHB	01	Yes	BY
		2"	.045m ²	B	0.70 µm	070	1/4" MNPT	02	No	BN
		5"	0.10m ²	C	1.00 µm	10#	1/4" BSP	03	Sterilization Code ETO SE Gamma SG Non-sterile SN Non-sterile (Gamma Sterilizable) SN-G	
		8"	0.15m ²	D	1.50 µm	15#	1/4" BSP (O-ring)	04		
		10"	0.37m ²	E	2.00 µm	20#	1/2" MNPT	05		
1/2" Hose barb	06									
1.5" Sanitary Flange	07									
3/4" Sanitary Flange	08									
Quick connector	09									
1/2" Single step hose barb	10									

EXAMPLE: CAGFA1000101BYSE



Nupore Filtration Systems Pvt Ltd

H.O. Plot No. 7 Industrial Area Meerut Road, Ghaziabad, U.P.-201003, India

Branch: Plot No. 76 & 77, Sector-1, HSIIDC, Saha, Ambala Cantt 133104, India



+91120 - 6335825
+91120 - 6335826



sales@nupore.com

www.nupore.com