NuCart Microglassfiber Pleated Cartridge Filters

Nupore GF (CFGF) cartridge filters are ideal pre-filters for sterilizing membrane cartridge filters. A Glass Fibre 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 size rating of 0.5µm, 1µm, 1.5µm and 2µm with 3-40 inch sizes. Each GF cartridge filter is validated for flow rate, heat stability, fiber particle release, extractables and bio-safety.

Special Features & Benefits

- Wide biological and chemical compatibility
- High heat stability
- Non-media migrating
- Water wettability
- Absolute retention 99.999%

Key Applications

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

Our Nucart Microglassfiber pleated Cartridge 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 Complaince with Global Standards

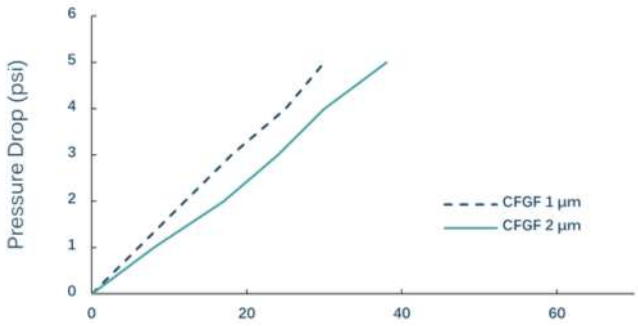
Bacterial Endotoxin	*The filtrate/Aqueous extraction from downstream of the filter exhibited endotoxin result < 0.25 EU/mL when tested as per USP <85> methodology*
Oxidizable Substances	*Oxidizable matter in filtered water meets the USP <1231> Oxidizable Substance Test requirements*
Non-fiber Releasing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

- 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 @ ≤ 2 Kg/cm²*
Max Pressure	*3.5 Kg/cm² @ 25 °C* *0.7 Kg/cm² @ 25 °C for reverse*
Autoclavable	*30 autoclave/steam sterilization cycles of 30 minutes at 121 °C/ 135 °C*

ORDERING INFORMATION CODES:

Type		Size			Pore Size		Adaptor		Rings / Gaskets	
Type	Code	Length	EFA	Code	Micron	Code	Type	Code	Ring	Code
Glassfiber Cartridge filter	CFGF	3"	0.07m²	03	0.5 µm	050	7P	U	Silicone	SS
High temp. GF cartridge	CFGH	5"*	0.16m²	05	0.7 µm	070	BEO	V	Viton	SV
		5"(7P)	0.17m²	40	1.0 µm	10#	K SEAL	K	EPDM	SE
		9.75"	0.39m²	9.75	1.5 µm	15#	Optiseal	X	Encapsulated PTFE	FV
		10"	0.39m²	10	2.0 µm	20#	4463	Y		
		20"	0.78m²	20			4463B	Z	Synthetic Rubber	SR
		30"	1.17m²	30			M Disc	Q		
		40"	1.56m²	40			222	R	No Ring	XX
							4440	W		

* for adaptor other than 7P

EXAMPLE: CFGF0505USS

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