

Polypropylene (CFPP) Cartridge Filters



Nupore PP (CFPP) cartridge filters are available in a wide range of pore size ranging from 0.2µm to 50µm and are especially designed and developed for high particle retention, dirt holding and pre-to-final filtration applications i.e. aqueous filtration and venting application. These filters are available in 3-40 inch sizes and offers surface filtration as well as depth filtration for better throughput. HF-PP cartridge filters used as pre-filters, final filters or point-of-use filtration.

Special Features & Benefits

- ✓ Wide biological and chemical compatibility
- ✓ Non-media migrating
- ✓ Easy Identification & Traceability
- ✓ Absolute retention 99.999%

Key Applications

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

Our Nucart 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 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: Polypropylene

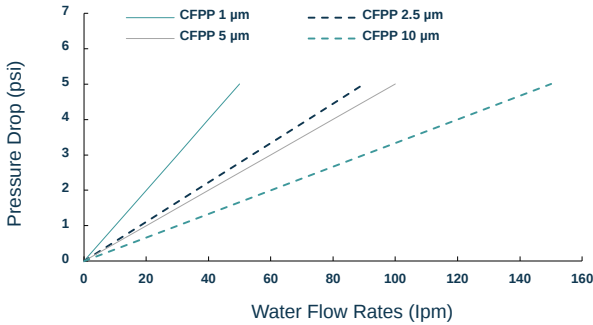
Supporting Media: Polyester

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



ORDERING INFORMATION CODES:

Type		Size			Pore Size		Adaptor		Rings / Gaskets	
Type	Code	Length	EFA	Code	Micron	Code	Type	Code	Ring	Code
Polypropylene	CFPP	3"	0.10m ²	03	0.22 µm	020	7P	U	Silicone	SS
		5"*	0.16m ²	05	0.50 µm	050	BEO	V	Viton	SV
		5"(7P)	0.21m ²	05	1.00 µm	10#	K SEAL	K	EPDM	SE
		9.75"	0.46m ²	9.75	2.50 µm	25#	Optiseal	X	Encapsulated PTFE	FV
		10"	0.46m ²	10	5.00 µm	50#	4463	Y		
		20"	0.92m ²	20	10.0 µm	100	4463B	Z	Synthetic Rubber	SR
		30"	1.38m ²	30	20.0 µm	200	M Disc	Q	No Ring	XX
		40"	1.84m ²	40	30.0 µm	300	222	R		
					40.0 µm	400	4440	W		
					50.0 µm	500				

* for adaptor other than 7P

EXAMPLE: CFPP05020USS



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