

PureFlo® CA Cartridges

PureFlo® CA (Cellulose Acetate) Cartridges are highly retentive hydrophilic membrane filters that have been specially designed for critical applications. The Cellulose Acetate membrane in an all-polypropylene construction provides excellent compatibility in across a wide range of applications. No adhesives or binders are used in the manufacturing process and all cartridges are rinsed with high-purity water to reduce extractables and downtime.

The hydrophilic Cellulose Acetate membrane does not require pre-wetting with IPA and flushing with DI water, thereby eliminating a potential source of contamination and hazardous waste. In addition, the Cellulose Acetate membrane is low protein binding for use in pharmaceutical and biotechnology applications.

All filter cartridges are 100% integrity tested to ensure filter performance each and every time out of the package. PureFlo® CA filter cartridges are well-suited for critical applications where low protein binding and high particle removal efficiency at 0.2, 0.45, 0.65, 0.80 and 1.2 micron is required.



Materials of Construction:

Membrane: Hydrophilic Cellulose Acetate
 Membrane Supports: Polypropylene
 Cage, Core, End Caps: Polypropylene
 Gasket / O-Rings: EPDM, Buna N, Silicone, Viton, TES, and TEV

Dimensions (nominal):

Lengths: 5 in. (13 cm), 10 in. (25 cm),
 20 in. (51 cm), 30 in. (76 cm), 40 in. (102 cm)
 Diameter: 2.75 in. (70 mm)

Effective Filtration Area:

0.65 m² (7 ft²) per 10" cartridge element

Operating Conditions:

Maximum Forward Differential Pressure:
 5.0 bar (72.5 psid) at 22 °C
 2.0 bar (29 psid) at 80 °C
 Maximum Reverse Differential Pressure:
 3.0 bar (43.5 psid) at 22 °C
 1.0 bar (14.5 psid) at 80 °C
 Maximum Operating Temperature: 80 °C

Applications

Acids	Ink Jets
Bases	Clarification
Solvents	Pharmaceuticals
Fine Chemicals	Biologics
Plating Solutions	Dyes
Process Water	Lacquers
Beverages	Parts Cleaning

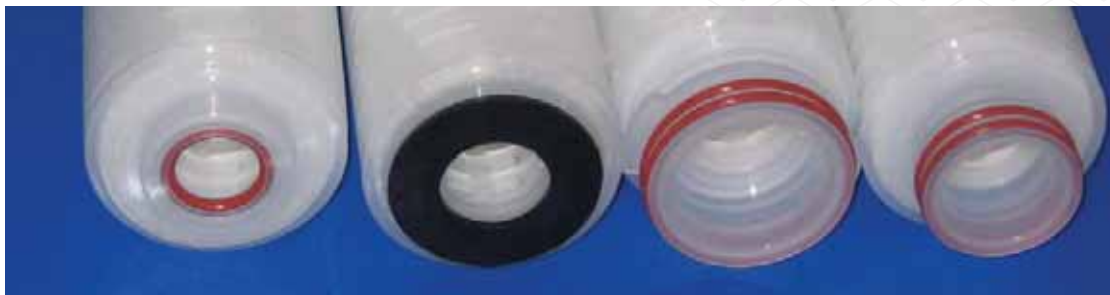
Features

- Hydrophilic Cellulose Acetate Membrane (Absolute Rated)
- Wide Chemical & Thermal Compatibility
- Low levels of Filter Extractables

Benefits

- IPA pre-wetting not required – thereby eliminating a potential source of contamination and disposal waste
- Reduces downtime and improves throughput
- Economic alternative to PTFE filters
- No de-wetting in out-gassing fluids, unlike hydrophobic filters
- Provides excellent compatibility with a wide-range of chemicals
- No adhesives, binders, or surfactants are used during manufacturing resulting in superior downstream cleanliness
- All cartridges are rinsed with high-purity water

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Regulatory Compliance:

Manufactured from materials that conform to the requirements of 21 CFR Part 177 of the U.S. Code of Federal Regulations and USP Class VI Biological Test for Plastic

Sterilization & Autoclaving:

The filters can be sterilized by autoclaving for up to 25 cycles at 125 °C (257 °F) for 30 minutes. The filters can also be sterilized by steam-in-place procedure up to 3 cycles at 135 °C (275 °F) for 30 minutes at less than 0.3 bar differential pressure. The filters can also be sanitized by hot water or common chemicals that are compatible with filter components.

PureFlo® CA Cartridge Ordering Guide

PureFlo PES Filter Cartridges	Removal Rating	End Modifications	Length	O-Ring / Gasket Materials	Package Qty	Options
MCA	20 - 0.20 micron	0 = 222 O-Ring Flat	1 - 10"	E = EPDM	1 = 1pc/ pack	- 5 = SS Insert
	45 - 0.45 micron	3 = 222 O-Ring w /tabs Spear	2 - 20"	N = Buna N		
	65 - 0.65 micron	5 = 222 O-Ring Spear	3 - 30"	P = Peroxide Cured EPDM		
	80 - 0.80 micron	6 = 226 O-Ring Flat	4 - 40"	Q = Platinum Cured Silicon		
	Cellulose Acetate membrane, PP support, with PP Construction	1X - 1.20 micron	7 = 226 O-Ring Spear	5 = 5"		
		8 = 223 O-Ring Flat	9 = 9.75"	T = TEV or FEP Gasket		
		F = DOE Flat Gasket		U = TES*		
		S = SOE Flat Gasket		V = Fluoroelastomer		
		Z = SOE Internal O-ring Flat **				

Example - PureFlo Cellulose Acetate, 10", 0.2 micron cartridge, with 2-222 Silicone o-ring, Flat end cap, and no insert would be MCA2001S1

* - not available in Code Z

** - only available in 5", 9.75", 10" and 20", retrofit for DOE housings

Your Local Distributor:

ZenPure

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