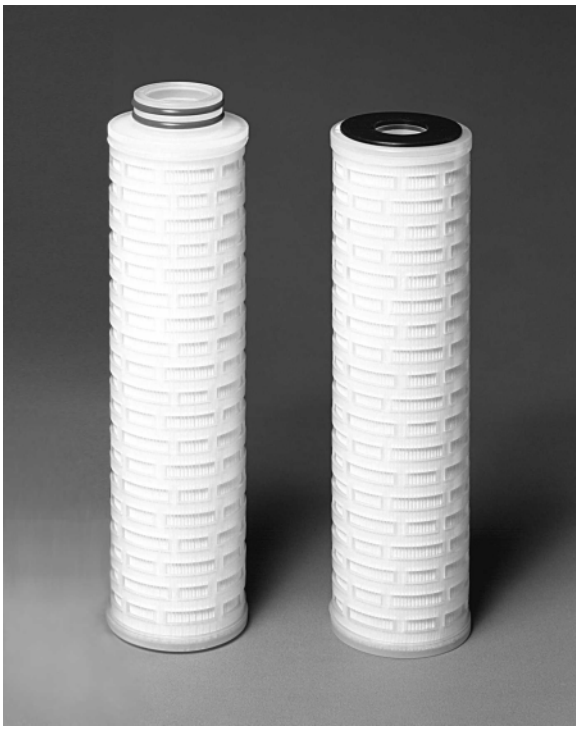
Mykrolis

Processgard® CN Cartridge Filters

Surface filter with precise retention efficiency for clarification and prefiltration applications

Product Profile



Delivering Quality Performance

Processgard CN cartridge filters are designed for the removal of particles and microorganisms from liquids and gases. Used in clarification and prefiltration applications, these versatile, pleated products retain contaminants primarily on the surface of the filter media. Downstream filter performance is enhanced due to efficient particle and microorganism reduction. Processgard CN cartridges are available in a range of retention ratings, lengths, and connections to suit your individual applications.

Superior Retention Efficiency

Processgard CN cartridge filters efficiently remove silica particles, carbon fines, resin fines, and other particulates and microorganisms.

Broad Chemical Compatibility

The cartridge's 100% polypropylene construction offers excellent chemical and heat resistance. Thermoplastic bonding eliminates the need for adhesives and minimizes extractables while ensuring cartridge strength and durability.

High Dirt-Handling Capacity

Processgard CN cartridges have nominal retention ratings from 0.3 µm to 30 µm which, in combination with an integral, multilayer construction, offer outstanding filtration performance.

Superior Manufacturing

- Manufactured in a world-class, ISO 9001 Quality Systems Standard facility.
- Manufactured, tested, and packaged in a cleanroom to ensure product cleanliness.
- Each filter is 100% integrity tested prior to shipment.

Product Features	Product Benefits
Extended surface area engineered for high efficiency	Long service life and cost effective
Heat-bonded, continuous fiber polypropylene media	Provides exceptional throughput and outstanding separation performance
	100% polypropylene construction provides excellent thermal and chemical compatibility
	Minimizes extractables and virtually eliminates problems associated with particle unloading and media migration
Nominal retention ratings from 0.3 µm to 30 µm combined with an integral, multilayer construction	Outstanding filtration performance

Processgard CN Cartridge Filters - Ordering Information

Materials	Membrane: Non-woven polypropylene		
	Supports: Polypropylene supports, cage, core, and sleeves and end caps		
	O-rings: Ethylene propylene (EP) O-ring or gasket standard, Silicone, Viton® fluoroelastomer, Teflon® fluoropolymer encapsulated Viton fluoroelastomer O-ring (TEV)		
Membrane Area	per 10″ cartridge: CN03: 0.56 m^2 All others: 0.46 m^2		
Dimensions	Diameter: 70 mm		
	Length	Code 0	Code F
	10″	264 mm	250 mm
	20″	514 mm	500 mm
	30″	765 mm	746 mm
	40″	1,015 mm	966 mm
Maximum Operating Conditions	Maximum Differential Pressure: 0.483 MPa (4.83 bar, 70 psid) @ 25° C		
	Maximum Operating Temperature: 80 °C		

Ordering Information

CN [ ] [ ] [ ] [ ] **06**

- Retention Rating: 03 = 0.3 µm; 06 = 0.6 µm; 12 = 1.2 µm; 25 = 2.5 µm; 50 = 5 µm; 1H = 10 µm; 3H = 30 µm
- Cartridge Type: F = Flat gasket; 0 = O-ring Code 0 (2-222); M = O-ring Code M (2-118) 4" cartridge only
- Length: 1 = 10"; 2 = 20"; 3 = 30"; 4 = 40"; 4 = 4" available only as Code "M"
- O-ring Material: E = EP; V = Viton; S = Silicone; T = TEV; P = Extended lengths version with polypropylene end caps and cage, silicone gaskets
- Quantity/Package: 06

Particle Retention Efficiency

	1 µm	5 µm	7 µm	10 µm	15 µm	20 µm
0.3 µm	93%	> 99.99%	-	-	-	-
0.6 µm	82%	> 99.99%	-	-	-	-
1.2 µm	70%	99.5%	99.9%	> 99.9%	-	-
2.5 µm	60%	99.2%	99.9%	> 99.9%	-	-
5 µm	-	90%	95%	98%	> 99.99%	-
10 µm	-	82%	90%	95%	98%	> 99.9%
30 µm	-	82%	90%	95%	98%	> 99.9%

Consult our applications specialists with any questions.

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