



Processgard[®] CR Cartridge Filters

Depth filter with broad range of retention efficiency
ideal for filtration of liquids and solvents



Delivering Quality Performance

Processgard CR high efficiency cartridge filters are widely used in chemical, electronic and semiconductor industries for liquid and gas prefiltration applications. The graded density polypropylene medium provides exceptional throughput and long service life.

Superior Retention Efficiency

Processgard CR filters retain contaminants by means of a multi-stage, graded density design. They provide a full range of retention ratings with high retention efficiency.

Superior Chemical Compatibility

Processgard CR filters are made of 100% polypropylene construction and offer excellent chemical and heat resistance.

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

- Depth filter design
- Strong construction of polypropylene supports
- Thermoplastic bonding with no adhesives
- Available in a range of retention ratings, lengths and manifold adapter codes
- Available in various configurations

Product Benefits

- Superior particle holding capability ensures longer life over non-depth filters
- Polypropylene supports provide clean and durable performance
- No extractables, ensure superior downstream cleanliness
- Superior retention of colloids and particles ensuring low particle counts in bulk DI water and chemical production
- Fits most available housings

Processgard CR Cartridge Filters - Ordering Information

Materials	Membrane: Polypropylene
	Supports: Polypropylene supports, cage, core, and sleeves and end caps
	O-rings: Ethylene propylene (EP) O-ring or gasket standard; Silicone, and Viton® fluoroelastomer, and Teflon® fluoropolymer encapsulated Viton fluoroelastomer O-ring (TEV)
Dimensions	Diameter: 70 mm
	Single Element Nominal: 255 mm
	Code M (2-118): 77 mm
	Code O (2-222): 264 mm
Maximum Operating Conditions	Maximum Differential Pressure: 0.483 MPa (4.83 bar, 70 psid) @ 25° C
	Maximum Operating Temperature: 80° C

CR

Retention Rating
 K1 = 0.1 µm
 K3 = 0.3 µm
 A5 = 0.5 µm
 O1 = 1.0 µm
 O3 = 3.0 µm
 O5 = 5.0 µm
 O10 = 10 µm
 O25 = 25 µm
 O50 = 50 µm
 O75 = 75 µm
 O99 = 100 µm

Ordering Information

Cartridge Type
 F = Flat gasket
 O = O-ring
 Code O (2-222)
 M = O-ring
 Code M (2-118)
 2" cartridge only

Length
 1 = 10"
 2 = 20"
 3 = 30"
 4 = 40"
 0 = 2"

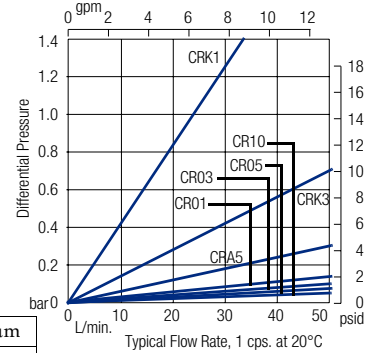
O-ring Material
 O = Silicone
 E = EP
 V = Viton
 S = Silicone
 T = TEV

Quantity/Package
 06 = 6/pack
 03 = 3/pack (2" only)

available only P = Extended lengths version with polypropylene end caps and cage, silicone gaskets

Particle Retention Efficiency

	1 µm	3 µm	5 µm	7 µm	10 µm	15 µm	20 µm	30 µm	40 µm	50 µm
CRK1	99.90%	> 99.99%	-	-	-	-	-	-	-	-
CRK3	99.5%	99.9%	> 99.99%	-	-	-	-	-	-	-
CRA5	95%	98%	99.5%	99.9%	> 99.99%	-	-	-	-	-
CR01	70%	73%	79%	89%	95%	99.5%	> 99.9%	-	-	-
CR03	64%	67%	71%	83%	90%	98%	> 99.9%	-	-	-
CR05	53%	57%	61%	74%	83%	95%	99.5%	> 99.9%	-	-
CR10	30%	35%	42%	52%	61%	85%	96%	> 99.9%	-	-
CR25	15%	23%	30%	38%	45%	60%	82%	99%	> 99.9%	-
CR50	10%	15%	20%	26%	32%	43%	65%	95%	99%	> 99.9%



Consult our applications specialists with any questions.
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