



CLARIS® Series Filter Cartridges

High Consistency Polypropylene Melt Blown Cartridge

- Graded Pore Structure Enhances Dirt Holding Capacity
- E-core, an Extruded Fibrous Core, Provides Excellent Strength
- Unique Proprietary Process
- Easy and Safe Cartridge Incineration and Disposal
- All Polypropylene Construction
- Free of Surfactants, Binders, and Adhesives
- Plastic and Metal Spring Assembly End Configurations Available

Performance Specifications

Filter Grades:

1, 3, 5, 10, 20, 30, 50, 75 micron (µm)

Maximum Differential Pressure:

50 psid (3.45 bar) @ ambient

25 psid (1.72 bar) @ 140°F (60°C)

Recommended Change Out Differential Pressure¹:

35 psid (2.4 bar)

Purity:

Claris Series filter cartridges are free of surfactants, anti-static agents, binders, and adhesives.

Product Specifications

Materials of Construction:

Filter Media:	Polypropylene
End Caps ² :	Polypropylene
Extended Core ² :	Stainless Steel
Extruded Core:	Polypropylene
Gaskets/O-rings ² :	Silicone Elastomer, Buna N, Viton ³ A, EPDM, Santoprene ⁴



Dimensions (nominal):

Outside Diameter: 2 1/2" (6.4 cm)

Inside Diameter: 1" (2.7 cm)

Lengths: 9 3/4" (24.8 cm), 9 7/8" (25.1 cm), 10" (25.4 cm), 19 1/2" (49.5 cm), 19 4/5" (50.3 cm), 20" (50.8 cm), 29 1/4" (74.3 cm), 29 1/2" (74.9 cm), 29 3/4" (75.6 cm), 30" (76.2 cm), 39" (99.1 cm), 40" (102 cm), 50" (127 cm)

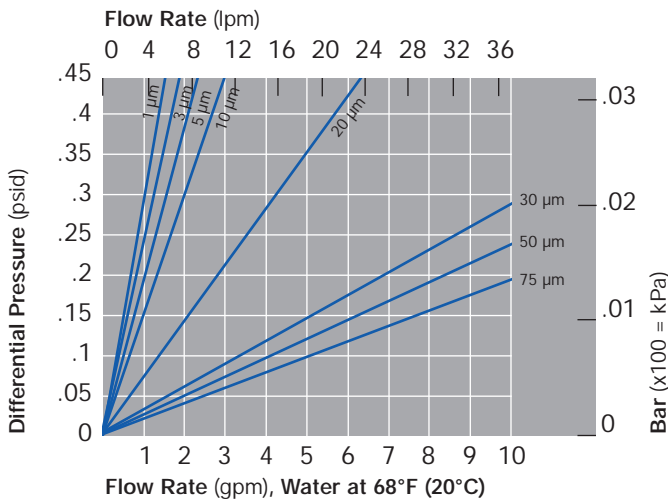
¹ - Provided that the maximum differential pressure is not exceeded based on temperature limits defined above.

² - These components are not NSF certified.

³ - Registered trademark of DuPont Dow Elastomers.

⁴ - Registered trademark of Advanced Elastomer Systems.

Typical Flow vs. Differential Pressure for Application Sizing



Flow rate is per 10" (25.4 cm) cartridge. For liquids other than water, multiply differential pressure by fluid viscosity (cP).

Part Numbers/Ordering Information

CLR ■ - ● ▼ ◆ (e.g. CLR 3-20DOES)

Code	Filter Grades ⁵
1	1 µm
3	3 µm
5	5 µm
10	10 µm
20	20 µm
30	30 µm
50	50 µm
75	75 µm

Code	Cartridge Lengths (nominal)
9.75	9.75"
9.875	9.875"
10	10"
19.5	19.5"
19.8	19.8"
20	20"
29.25	29.25"
29.5	29.5"
29.75	29.75"
30	30"
39	39"
40	40"
50	50"

⁵ - Based on typical application usage.

⁶ - For details, contact Pall Corporation.

Code	End Configurations
Blank	DOE industrial (no end caps)
DOE	DOE with elastomer gasket seals & end caps
H21	DOE, Santoprene gasket seal
1X	DOE industrial, 1" (2.54 cm) stainless steel extended core
M3	SOE flat closed end, external 222 O-rings (retrofits other manufacturers' Code 0) ⁶
M6	SOE flat closed end, external 226 O-rings (retrofits other manufacturers' Code 6) ⁶
M7	SOE fin end, external 226 O-rings (retrofits other manufacturers' Code 7) ⁶
M8	SOE fin end, external 222 O-rings (retrofits other manufacturers' Code 5) ⁶
M18	SOE flat closed end, external 222 O-ring
XK	SOE plastic spring assembly, saw cut end
SI	SOE metal spring/polypropylene cap, saw cut end

Code	Gasket/O-ring Materials
S	Silicone
N	Buna N
E	EPDM
V	Viton A



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