



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
- NSF Certified
- Plastic and Metal Spring Assembly End Configurations Available

Performance Specifications

Filter Grades:

1, 3, 5, 10, 20, 30, 50, 75 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)

FDA Listed Materials:

Manufactured from materials, which are listed for food contact applications in Title 21 of the U.S. **Code of Federal Regulations**. Product in compliance with EU Directive 2002/72/EC for plastic in food contact (in simulants A, B, C and D).

Toxicity:

All polypropylene components meet the specifications for biological safety as per the **USP** for Class VI-121°C plastics (gaskets/O-rings excluded).

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 ½" (6.4 cm)

Inside Diameter: 1" (2.7 cm)

Lengths: 9 ¾" (24.8 cm), 9 ⅞" (25.1 cm), 10" (25.4 cm), 19 ½" (49.5 cm), 19 ⅝" (50.3 cm), 20" (50.8 cm), 29 ¼" (74.3 cm), 29 ½" (74.9 cm), 29 ¾" (75.6 cm), 30" (76.2 cm), 39" (99.1 cm), 40" (102 cm), 50" (127 cm)



COMPONENT

This Claris Series filter cartridge is tested and Certified by NSF International under ANSI/NSF Standard 42 for materials only.

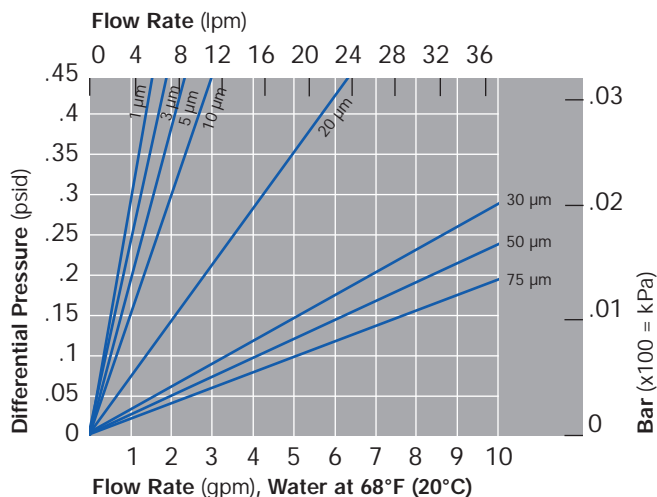
¹ - Provided that the maximum differential pressure is not exceeded based on temperature limits defined above.

² - These components are not NSF certified.

³ - Registered trademark of DuPont Dow.

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"

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
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

⁵ - Based on typical application usage.

⁶ - For details, contact Pall Corporation.



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Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, United States, and Venezuela. Distributors are located in all major industrial areas of the world.