

## 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
- No surfactants, binders, or adhesives
- NSF certified
- Plastic and metal spring assembly end configurations are available

## Performance Specifications

### Filter grades

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

### Maximum differential pressure

3.45 bard (50 psid) @ 20°C (68°F)

1.72 bard (25 psid) @ 60°C (140°F)

### Recommended change-out differential pressure<sup>1</sup>

2.4 bard (35 psid)

### Food and Water Contact Use

Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

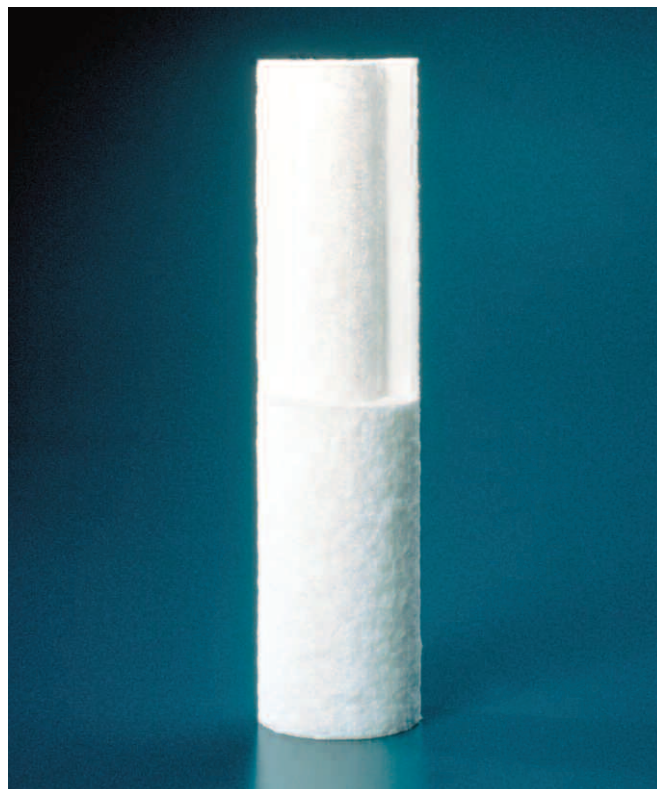
### Purity

Cartridges do not use surfactants, anti-static agents, binders, and adhesives.

## Product Specifications

### Materials of construction

Filter media:	Polypropylene
End caps <sup>2</sup> :	Polypropylene
Extended core <sup>2</sup> :	Stainless steel
Extruded core:	Polypropylene
Gaskets/O-rings <sup>2</sup> :	Silicone elastomer, nitrile, fluorocarbon elastomer, EPDM, Santoprene <sup>3</sup>



### Dimensions (nominal)

Outside diameter:	6.4 cm (2.5 in)
Inside diameter:	2.7 cm (1.07 in)
Lengths:	24.8 cm (9.75 in), 25.1 cm (9.875 in), 25.4 cm (10 in), 49.5 cm (19.5 in), 50.2 cm (19.75 in), 50.8 cm (20 in), 74.3 cm (29.25 in), 74.9 cm (29.5 in), 75.6 cm (29.75 in), 76.2 cm (30 in), 99.1 cm (39 in), 102 cm (40 in), 127 cm (50 in)



COMPONENT

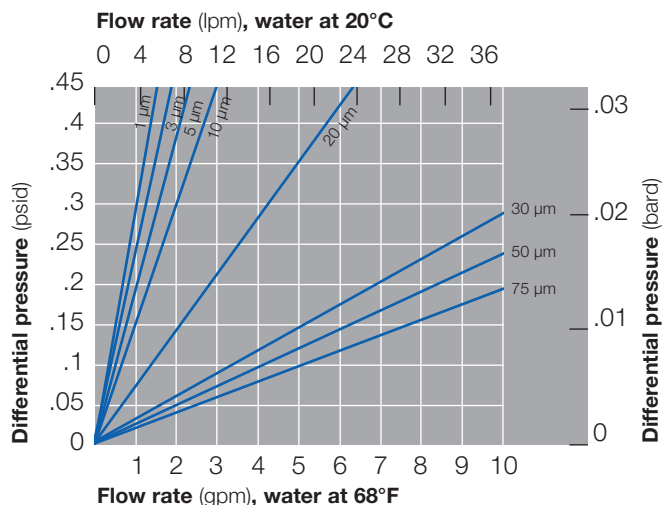
This Claris Series filter cartridge is tested and Certified by NSF International under ANSI/NSF Standard 42 and 61 for materials only. For more information regarding the certification, please contact Pall.

<sup>1</sup> Provided that the maximum differential pressure is not exceeded based on temperature limits defined above.

<sup>2</sup> These components are not NSF certified.

<sup>3</sup> Trademark of Exxon Mobil Corporation.

## Typical Flow vs. Differential Pressure for Application Sizing



Unit conversion: 1 bar = 100 kPa

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

### Ordering Information

Pall Part Number = CLR  -  -

Table 1

Code	Filter grades (μm) <sup>4</sup>
1	1
3	3
5	5
10	10
20	20
30	30
50	50
75	75

<sup>4</sup> Based on typical application usage.

<sup>5</sup> For details, contact Pall Corporation.

Table 2

Code	Cartridge lengths (cm/in) nominal
9.75	24.8/9.75
9.875	25.1/9.875
10	25.4/10
19.5	49.5/19.5
19.75	50.2/19.75
20	50.8/20
29.25	74.3/29.25
29.5	74.9/29.5
29.75	75.6/29.75
30	76.2/30
39	99.1/39
40	102/40
50	127/50

Table 3

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, 2.54 cm (1 in) stainless steel extended core
M3	SOE flat closed end, external 222 O-rings (retrofits other manufacturers' Code 0) <sup>5</sup>
M6	SOE flat closed end, external 226 O-rings (retrofits other manufacturers' Code 6) <sup>5</sup>
M7	SOE fin end, external 226 O-rings (retrofits other manufacturers' Code 7) <sup>5</sup>
M8	SOE fin end, external 222 O-rings (retrofits other manufacturers' Code 5) <sup>5</sup>
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

Table 4

Code	Gasket/O-ring materials
S	Silicone
N	Nitrile
E	EPDM
V	Fluorocarbon elastomer



25 Harbor Park Drive  
Port Washington, NY 11050  
+1 516 484 3600 telephone  
+1 800 289 7255 toll free US

Portsmouth - UK  
+44 (0)23 9230 3303 telephone  
+44 (0)23 9230 2507 fax  
processuk@pall.com

### Visit us on the Web at [www.pall.com](http://www.pall.com)

Pall Corporation has offices and plants throughout the world. For Pall representatives in your area, please go to [www.pall.com/contact](http://www.pall.com/contact).

Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

Because of technological developments related to the products, systems, and/or services described herein, the data and procedures are subject to change without notice. Please consult your Pall representative or visit [www.pall.com](http://www.pall.com) to verify that this information remains valid. Products in this document may be covered by one or more of the following patent numbers: EP 1 165 205; US 6,342,283; US 6,662,842.

© Copyright 2005, 2011, Pall Corporation. Pall, and Claris are trademarks of Pall Corporation. ® indicates a trademark registered in the USA. Filtration. Separation. Solution. is a service mark of Pall Corporation.