PALL Food and Beverage

Claris® Filter Cartridges

For General Purpose Particle Reduction

Claris filter cartridges are general purpose melt blown depth filters that deliver consistent, reliable filtration at the lowest possible cost.

Description

Multiple fiber zones created by a proprietary and highly automated melt-blowing process result in a consistent and graded pore structure. The different pore sizes allow for the efficient capture of various sized particles and maximum usage of the filter's depth.

An innovative extruded core provides a low cost alternative to molded cores, without compromising filter strength or media depth.

Combined, these features provide long life, less filter change-outs, and the most cost-efficient solution for general particle reduction applications within the food and beverage industry.

Claris Filter Cartridges

Features and Benefits

Features	Benefits
Melt blown depth media with graded pore structure	• Efficient capture of various particle sizes, maximizing the usage of the entire filter's depth
Thermally bonded fibers	• Consistent filtration performance
High void volume	• Long service life due to high dirt holding capacity
High strength extruded core	• Enables economy without compromising flow or cartridge stability • Eases disposal and incineration
All polypropylene construction, without adhesives, binders or surfactants	• Broad chemical compatibility, suitable for use in a variety of fluids

Materials of Construction

Component	Description
Filter Medium	Polypropylene
Core, Fin End and End Cap	Polypropylene
SOE Style Cartridges only	
Adaptor	Polypropylene
O-ring Seal	Silicone Elastomer Ethylene Propylene Rubber

Quality

- Cartridges produced in a controlled environment
- Manufactured within a Quality Management System certified to ISO 9001:2008

Food Contact Compliance

Please refer to the Pall website http://www.pall.com/foodandbev for a Declaration of Compliance to specific National Legislation and/or Regional Regulatory requirements for food contact use.

Technical Information

Operating Characteristics in Compatible Fluids[1]

Maximum Differential Pressure[2]	Operating Temperature
1.72 bard (25 psid)	60 °C (140 °F)
3.45 bard (50 psid)	20 °C (68 °F)

[1] Fluids which do not swell, soften, or adversely affect any of the filter components

[2] Recommended change-out differential pressure is 2.4 bard (35 psid), provided the maximum differential pressure (based on temperature) is not exceeded.

Ordering Information

This information is a guide to the part numbering structure and possible options. For availability of specific options, please contact Pall. Refer to Pall for housing details.

Part Number: CLR ☐ (Table 1) ☐ (Table 2) ☐ (Table 3) **W** ☐ (Table 4) **480**

Example Part Number: **CLR510M7WS480**

See bold reference codes in tables.

Table 1: Removal Rating

Code	Description
1	1 µm
3	3 µm
5	5 µm
10	10 µm

Table 2: Length

Code	Description
DOE Style only:	
5	127 mm (5")
975	248 mm (9.75")
9875	251 mm (9.875")
10	254 mm (10")
195	495 mm (19.5")
20	508 mm (20")
2925	743 mm (29.25")
295	749 mm (29.5")
30	762 mm (30")
39	991 mm (39")
40	1016 mm (40")
50	1270 mm (50")
SOE Style only:	
10	254 mm (10")
20	508 mm (20")
30	762 mm (30")
40	1016 mm (40")

Table 3: Adaptor

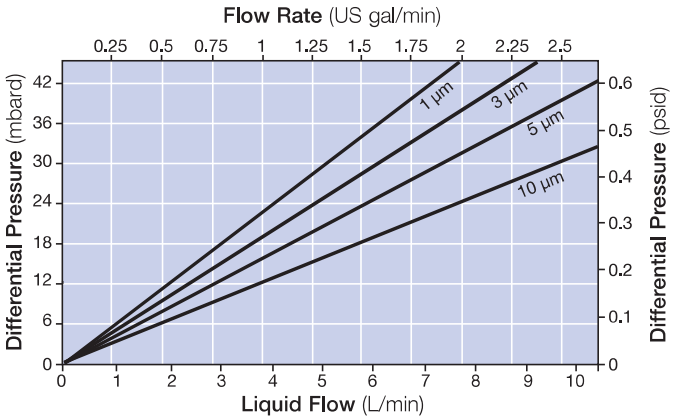
Code	Description
blank	DOE with no endcaps
M3	SOE - single open end with flat closed end and external 222 O-rings
M6	SOE - single open end with flat closed end, 2 locking tabs and external 226 O-rings
M7	SOE - single open end with fin end, 2 locking tabs and external 226 O-rings
M8	SOE - single open end with fin end and external 222 O-rings

Table 4: O-ring Seal Material[4]

Code	Description
S	Silicone Elastomer
E	Ethylene Propylene Rubber

[4] For M3, M6, M7 and M8 styles only

Flow Rates[3]



[3] Typical initial clean Δp for a 254 mm (10 inch) cartridge, clean water at 20 °C (68 °F). For liquids with viscosity greater than 1 cp, multiply the Δp by the viscosity.

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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 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.

Filtration. Separation. Solution.SM

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