



PREcart PP II Filter Cartridges for Particle Removal

PREcart PP II filter cartridges are pleated depth filters designed for particle removal in food and beverage applications.

Description

The PREcart PP II filter element is designed to meet the high mechanical resistance and compatibility requirements needed for use in food and beverage production processes.

The PREcart PP II filter is frequently used to remove particles from process water, wine and spirits.

Features	Benefits
Backflush capability for cartridge regeneration	- Improves total throughput - Reduces overall operating costs
Pleated polypropylene filter media with fixed fiber matrix	- Broad chemical compatibility - Highly stable structure providing consistent filtrate quality
Individually serialized cartridges and record controls	Full traceability
Cartridges resistant to numerous sanitization cycles and <i>in situ</i> steam sterilization	Cost effective filtration



PREcart PP II Filter Cartridges

Quality

Assemblies manufactured under a Quality Management System certified to ISO 9001:2008.

Food Contact Compliance

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

Materials of Construction

Component	Description
Filter Medium	Pleated Polypropylene
Cage, Core, Fin End and End Cap	Polypropylene
Gasket	Ethylene Propylene Rubber or Silicone Elastomer

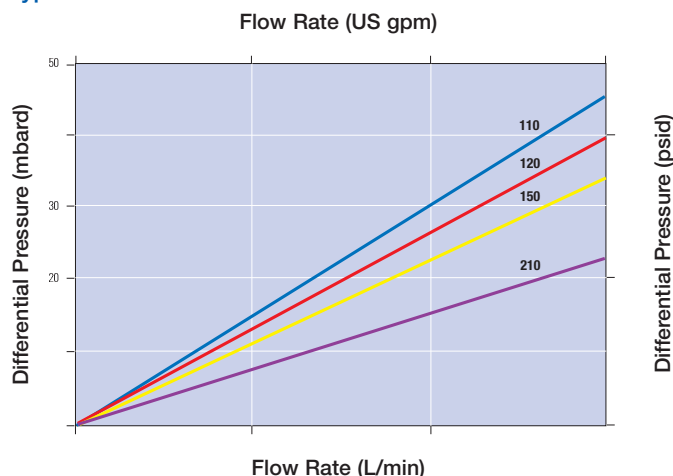
Technical Information

Operating Characteristics in Compatible Fluids¹

Forward Direction	Operating Temperature
5.0 bard (72.5 psid)	25 °C (77 °F)
2.0 bard (29 psid)	80 °C (176 °F)
1.5 bard (21.8 psid)	90 °C (194 °F)
Reverse Direction	Operating Temperature
1 bard (1.45 psid)	60 °C (140 °F)

¹Compatible fluids are defined as those which do not swell, soften or attack any of the filter components.

Typical Flow Rates²



² Typical initial clean media ΔP 254 mm (10") element, water at 20 °C, viscosity 1 cP. For assistance with filter assembly, sizing and housing selection, contact your local Pall representative. Each curve is labelled with the appropriate ordering code for the element grade tested. Please refer to the ordering information table for a description of the micron rating.

Sterilization and Sanitization³

Method	Maximum Temperature	Maximum Number of Cycles ⁴
In situ Steam Sterilization	134 °C (273 °F)	25 x 30 minutes

³For applications requiring sterilization or sanitization Pall recommends the use of the Code 07 adaptors to ensure filter sealing after cooling. Cartridges should be cooled to system operating temperature prior to use.

⁴Determined in laboratory trials.

Ordering Information

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

Part Number: 499A W P
Table 1 Table 2 Table 3 Table 4

Table 1: Liquid Removal Rating*

Code	Description
110	1 µm
120	2 µm
130	3 µm
150	5 µm
210	10 µm
220	20 µm

* PREcart PP filter cartridge liquid retention ratings are based on a modified OSU-F2 test. The removal efficiency for all grades is 99.98% (β-5000).

Table 2: Adaptor

Code	Description
03	SOE – single open end with flat closed end and external 222 O-rings
07	SOE – single open end with fin end and external 226 O-rings
08	SOE – single open end with fin end and external 222 O-rings
41	SOE – single open end with fin end, 3 locking tabs and external 222 O-rings

Table 3: Nominal Length

Code	Description
1	254 mm (10")
2	508 mm (20")
3	762 mm (30")
4	1016 mm (40")

Table 4: O-ring Seal Material

Code	Description
S	Silicone (standard)
E	Ethylene Propylene Rubber (EPDM)



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Pall Corporation has offices and plants throughout the world. For Pall representatives in your area, please go to www.lenntech.com

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.lenntech.com to verify that this information remains valid.

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