PALL Food and Beverage

Profile® Coreless Filter Elements

Reduce waste and operating cost

Description

Profile® Coreless filter elements combine Pall proven Profile depth filter technology with a design that eliminates the core to provide a convenient, cost efficient and environmentally-friendly solution for liquid clarification applications.

The large diameter filter element features low differential pressure polypropylene medium, meaning fewer elements are required for a given flow rate than standard cartridges. Filter vessels are correspondingly smaller, resulting in lower capital and installation costs, as well as reduced operating costs.

Enabling a Greener Future

The Profile Coreless filter element fits over a 316L stainless steel core, which is retained inside the filter housing. At changeout, the element is simply pulled up over the core which is then ready to accept the replacement element. By retaining the metallic core, the Coreless design significantly reduces the amount of waste material for disposal, providing a lower cost, more environmentally-friendly option.

Quality

- Elements produced in a controlled environment
- Manufactured according to ISO 9001:2008 certified Quality Manufacturing System

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.

Profile Coreless Filter Element

Media

- All polypropylene
- Continuous graded fixed pore pre-filter section and high performance inner section
- Resists Shedding
- Does not employ adhesives or surfactants

Element

- Large diameter cartridge in a fully disposable design
- Separate 316L stainless steel core retained in the filter housing
- Low clean differential pressure
- High liquid flow rates
- Long service life

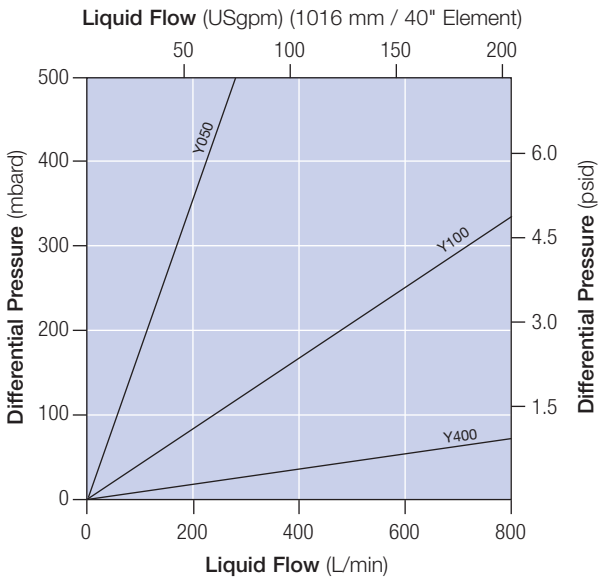
Technical Information

Operating Characteristics in Compatible Fluids

Maximum Differential Pressure	Operating Temperature
4.0 bard (58 psid)	30 °C (86 °F)
1.0 bard (14.5 psid)	82 °C (179.6 °F)

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

Flow Rates



* For clean water at ambient temperature for liquids of viscosity other than 1cP multiply the ¢P by the viscosity in cP.

Recommended for fluid applications <20 m^3/hr.

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.

Element Part Number: **E 604** ☐ **W**

Table 1

Table 1: Available Grades

Polypropylene	Removal Rating (µm) in Liquids (beta 5000)
Y050	6
Y100	10
Y400	40

Housing Information

Core Assembly Seals (removable option only)

Seal Material	Compliance
EPR	Meets FDA requirements for food contact use as detailed in 21 CFR Section 177.2600.*

* Excluding milk and edible oils

Core Assembly (removable option)
Part Number: EH S 604 J

Replacement Core Assembly
EPR Seal Part Number: ACS0515EK and ORJPW-111

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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 433,661.

Filtration. Separation. Solution.SM

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