

CLL Series Filter Housings



Specifications

Materials

- Housing: 316L stainless steel
- Gasket: Buna-N¹

Surface Finishes

- As-fabricated

Connections

- Inlet/Outlet:
- 1" NPT-F, or
 - 1" (25mm) ANSI flange
- Vent: 1/4" NPT-F
Drain: 1/8" NPT-F

Configuration

- T-Type flow pattern

Filter Cartridges

- Accepts AB (SOE) style
- One 10–30" (254–762 mm) AB style Code 7 cartridge²

Housing Sealing Mechanism

- Stainless steel V-band clamp

Operating Conditions

- Maximum Pressure: 200 psig (13.8bar) at 250°F (121°C)³

Sterilization

- Steamable *in situ*
- Autoclavable

Minimum Bowl Removal Height

- 4" (102mm)

Empty Weights (approximate)

Cartridge Ht.	Housing Wt.	
10" (254mm)	8.2lbs	(3.7 kg)
20" (510mm)	10.2lbs	(4.6 kg)
30" (762mm)	14.2lbs	(6.4 kg)

Full (Water) Weights (approximate)

Cartridge Ht.	Housing Wt.	
10" (254mm)	14.5lbs	(6.6 kg)
20" (510mm)	19.5lbs	(8.8 kg)
30" (762mm)	28.5lbs	(12.9 kg)

¹

² Code 8 fitting also available. See Appendix for AB style code descriptions.

³ Temperature limitation due to Buna-N O-ring material: 250°F (121°C).

Filter Cross Reference

AB Style Cartridges

Bio-Inert[®]

Emflon[®] Family

Fluorodyne[®] II

HDC[®] II

N₆₆[®] Posidyne[®]

PallCell[®]

Profile[®] II Family

Profile Star

Starclear[™] Family

Ultipleat[®] Profile

Ultipor[®] BPC

Ultipor GF Plus[®]

Ultipor N₆₆

Ultipor VF[™]

Description

Pall CLL series filter housings are designed for general liquid or gas filtration applications. They accept one single open ended (SOE) Pall AB sanitary style filter cartridge up to 30" (76 cm) long for flows up to 20gpm (75lpm).

- Economical cast head
- High pressure capabilities
- High temperature rated
- Easy mounting and change-out
- NPT or ANSI flange connections
- Standard Code 7 bayonet locking mechanism ensures cartridge sealing even under back-pressure.
- Manufactured for use in conformance with cGMP
- Manufacturing Quality System Certified to ISO 9000 Standards

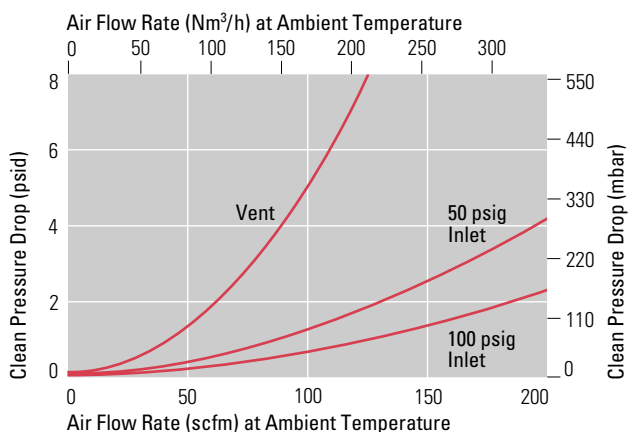
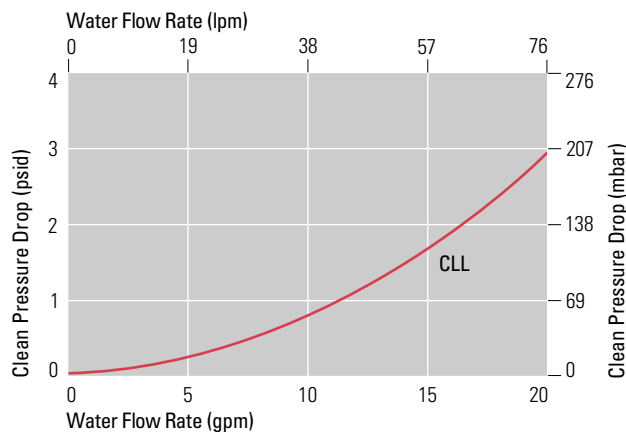
For information or to order, call:

1-800-717-7255

or 516-484-5400 – Fax: 516-625-3610
 pharmafilter @ pall.com
 www.pall.com

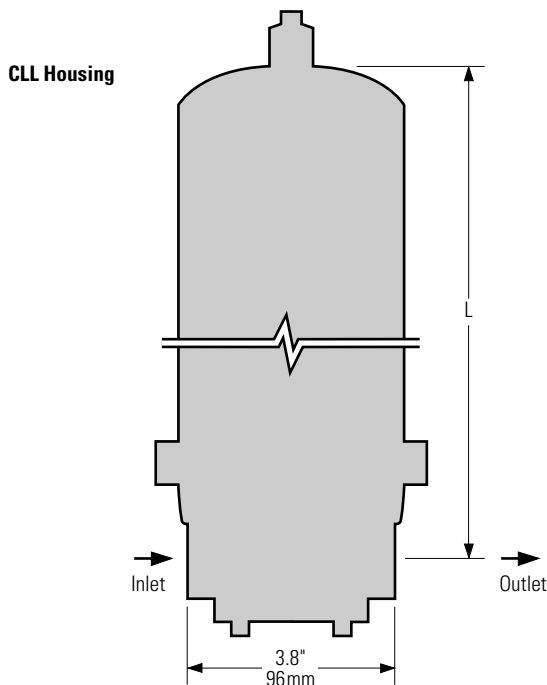
Filter Cartridge Housings
 Liquid and Air/Gas

Pressure Drop vs. Water and Air Flow Rates⁴



⁴ Empty housings, including cartridge core loss factors; water at 68°F (20°C), 1 cp; air at 68°F (20°C). For complete assembly including AB style filter cartridge, add housing and cartridge media pressure drop values. For liquids with other viscosities, other gases and temperatures, and for sizing sterile vent service applications, please contact your local Pall distributor.

Dimensions



Specifications and Availability: The information provided is a guide to the part number structure and possible options. Product availability may be subject to change without notice. All specifications are nominal. Elements not supplied with housings. This literature was reviewed for accuracy at the time of publication. For current information on the products and test methodologies, consult your local Pall distributor.

Part Numbers / Ordering Information

Part Number* ⁵	Connection Code*	Fits Filter Length	Housing Length (L)	Vacuum Rating @ 300°F (149°C)
CLL1G7* H13	16 or 17	10" (254 mm)	14 ³ / ₈ " (365 mm)	Full
CLL2G7* H13	16 or 17	20" (508 mm)	24 ¹ / ₂ " (622 mm)	Full
CLL3G7* H13	16 or 17	30" (762 mm)	34 ⁵ / ₈ " (880 mm)	10 psig (689 mbar)

*Select Connection Code: 16=1" NPT, 17=1" (25mm) 150lb (68kg) ANSI RF flange.
⁵ Code 7 is standard filter cartridge adapter fitting (see Appendix for adapter code descriptions). H13 suffix=Buna-N gasket material (standard). Fluorocarbon Elastomer, FEP fluoropolymer-encapsulated Fluorocarbon Elastomer (alternate for liquid applications) and Ethylene Propylene (alternate for steam to 375°F [191°C] maximum temperature) also available. See Appendix for alternate gasket polymer codes.

Note: CLL housings are also available Pickled and Passivated (add Code C2 after Connection Code). For Code 8 fitting, filter sizing or other information, contact your local Pall distributor.