

316L Stainless Steel Housings



Description

The Pall multistack high performance 316L stainless steel P-series housing can be designed and manufactured in accordance with A.D. Merkblatter or ASME Code. Pall's experience in housing manufacturing and filtration technology offers the user many benefits: crevice-free construction, easy-to-use closures, quick cartridge change, and 145 psi / 10 bar gauge working pressure at temperatures up to 365°F / 185°C.

These housings are designed and manufactured by Pall to quality standards which are approved to ISO 9001 (BS 5750 part 1).

- Ideal for DI Water filtration
- Large vent connection for rapid venting
- All fluid contact surfaces manufactured from 316L stainless steel
- Glass beaded and passivated surface finish provides maximum resistance to corrosion and good cosmetic appearance
- Quick cartridge changeout
- Hydrodynamically designed inlet and outlet connections ensure excellent flow characteristics
- Large drain located upstream to minimize fluid hold-up volume

Specifications

Materials of Construction

- Shell, Head, and Tubesheet: 316L stainless steel
- Rathmann Clamps: Veralit nickel plated carbon steel
- Clamp Mounting Ring: 304 stainless steel
- Legs: 304 stainless steel
- Foot Pads: 304 stainless steel

Configurations

- Inlet/Outlet Connections: 80-200 mm BS4504 T16 flange, 2-8" ANSI flange options
- Vent/Drain: 1/2" BSPT male, 1/2" NPT
- Cartridge Adapter: Code 3, 7, or 8

Operating Conditions

- 145 psi @ 302°F / 10 bar @ 150°C for EPR gaskets
- 145 psi @ 365°F / 10 bar @ 185°C for Viton¹ gaskets

¹ Viton is a trademark of DuPont Dow Elastomers.

Cartridge Capacity

- 5-around
- 12-around
- 31-around

Cartridge Lengths Accepted

- 20" / 508 mm, 40" / 1016 mm

Cartridge Configurations Accepted

- Code 3 – two 222 O-rings, flat end cap
- Code 7 – two 226 O-rings, locator fin, bayonette lock
- Code 8 – two 222 O-rings, locator fin

Design Options

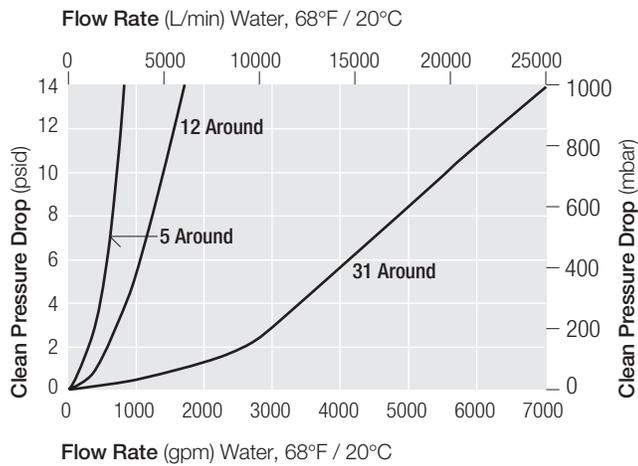
A.D. Merkblatter
ASME Code U Stamp
Electropolishing available

Connections Available

- 2", 3", 4", 6", and 8" ANSI flange
- 80 mm, 100 mm, 200 mm BS4504 T16 flange

Other options available – please contact Pall Microelectronics for details and ordering information.

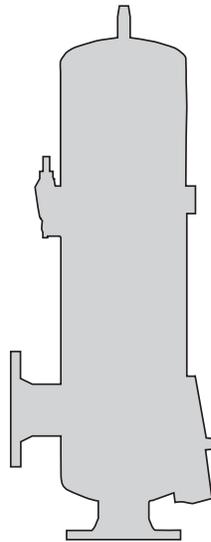
Pressure Drop vs. Liquid Flow Rate²



² The liquid flow/pressure drop characteristics refer to the empty housing only for water at 20°C / 68°F. For other liquids, multiply pressure drop by the specific gravity.

Unit conversion: 1 bar = 100 kilopascals

Housing Drawing



2200 Northern Boulevard
East Hills, New York 11548-1289 USA

1.800.360.7255 toll free (Only in US)
1.516.484.5400 phone
1.516.625.3610 fax

Visit us on the Web at www.pall.com/micro

Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, Hong Kong, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Kingdom, United States, and Venezuela. Distributors are located in all major industrial areas of the world.

© Copyright 2004, Pall Corporation. Pall, PALL are trademarks of Pall Corporation. ® Indicates a Pall trademark registered in the USA. Filtration. Separation. Solution.sm is a service mark of Pall Corporation.