

## 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 Viton<sup>1</sup> gaskets

<sup>1</sup> 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

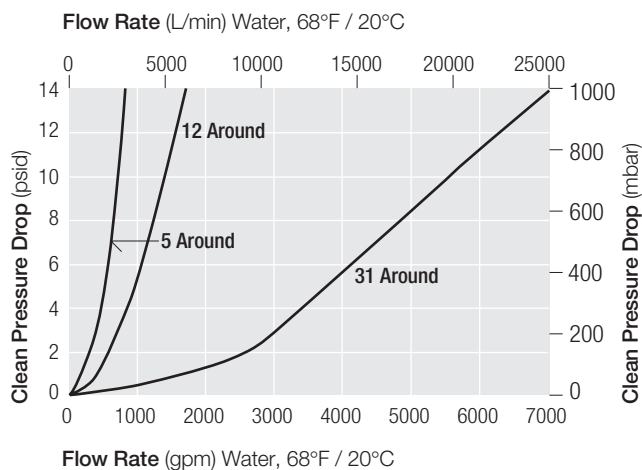
A.D. Merkblatter  
ASME Code U Stamp  
Electropolishing available

### 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 Rate<sup>2</sup>



<sup>2</sup> 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

