

## Sanitary Filter Housing Single-Round Series



The Single Round Sanitary Stainless Steel Housings are designed for High Purity Sanitary applications. These housings are commonly used in the Pharmaceutical, Biotechnology, Food and Beverage industries. These housings are ideal for Sterile filtration applications. T-Style and In-Line housings are available to meet your process specifications.

The housings are constructed of 316L stainless steel and are designed to meet the requirements of the Pharmaceutical and other high purity applications. The mechanical polish with additional electropolish provide a **"Mirror Like Shine"**. The housing is available in sizes from 5 inch to 40 inch to meet the needs of your application.

You can choose from either 222 o-ring, 226 o-ring style or DOE. The design of the housing provides for a positive seal with the filters thereby preventing fluid bypass. The machined seat plate provides lower pressure drops in air & gas applications. Machined seat plates also insure easier cleanability. The housing is sealed by means of a tri-clamp that requires no special tools to open or close.

Applications	
Pharmaceuticals	Biologics
Fine Chemicals	Electronics
High Purity Water	Beverages
Process Water	Tank Vents



### Materials of Construction

Head: 316L Stainless Steel  
 Bowl: 316L Stainless Steel  
 Clamp: 304 Stainless Steel  
 Vent/ Drain Plug: 316L Stainless Steel  
 O-Rings: Silicone, EPDM

### Dimensions (nominal)

Lengths (in): 5, 10, 20, 30 and 40

### Connections

Inlet/ Outlet : 1", 1.5" TC Sanitary Flange  
 Vent / Drain : 1/2" TC, or Welded Sanitary Valve

### Electropolished Finish

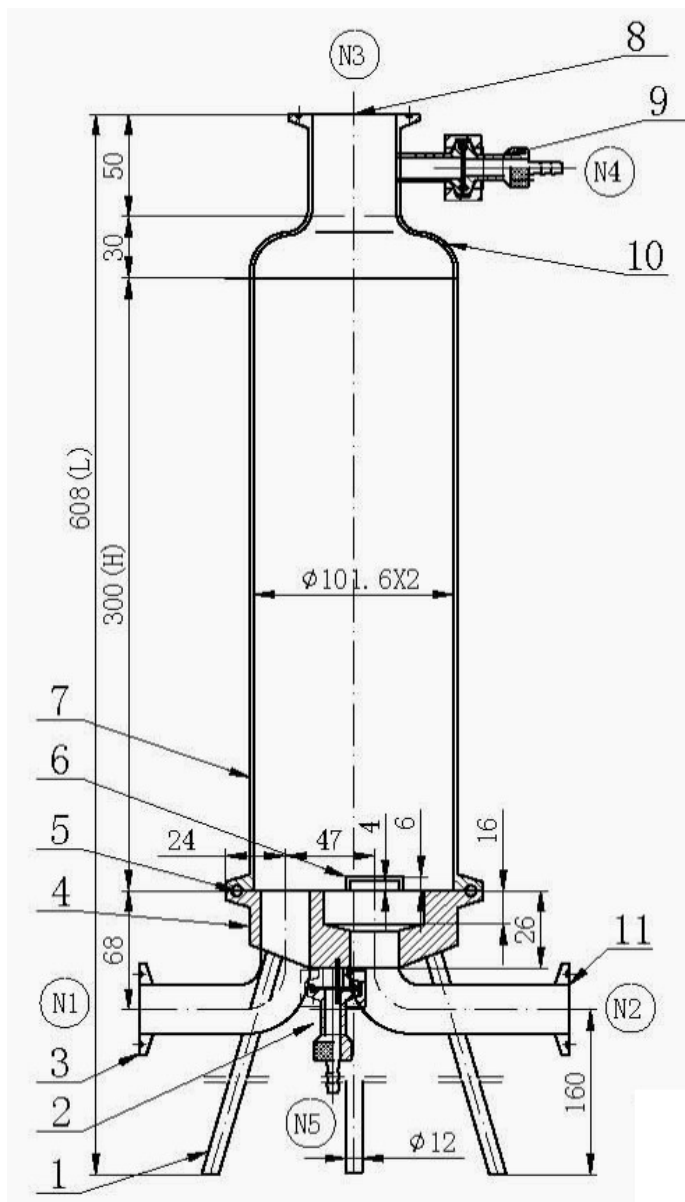
Interior: Ra <20 uin (<0.4um)  
 Exterior: Ra <32 uin (<0.8um)

### Operating Conditions

Max operating pressure: 90 psi (6 bar)

Features	Benefits
<ul style="list-style-type: none"> <li>Aseptic Design</li> </ul>	<ul style="list-style-type: none"> <li>Crevice Free Electropolished Sanitary surfaces with greater than <b>Ra&lt; 20 uin (&lt;0.4um) internal surfaces</b></li> <li>Fully Self draining</li> <li>No Dead Legs</li> </ul>
<ul style="list-style-type: none"> <li>Low Hold Volume</li> </ul>	<ul style="list-style-type: none"> <li>Maximize Product Recovery</li> </ul>
<ul style="list-style-type: none"> <li>Easy to use low point drain valve</li> </ul>	<ul style="list-style-type: none"> <li>Removable for cleanability</li> <li>Ease of filter change-out</li> </ul>

## Sanitary Filter Housing Single-Round Series



Item	Description	Material
N1	Inlet	304/316L SS
N2	Outlet	304/316L SS
N3	Gauge Port	304/316L SS
N4	Vent	304/316L SS
N5	Drain	304/316L SS

Nominal Length	T-style Total Length
5"	483 mm
10"	608 mm
20"	858 mm
30"	1108 mm

**Your Local Distributor:**

**Please Visit Us At:**

[www.pharmbiologicsolutions.com](http://www.pharmbiologicsolutions.com)

Email: [info@pharmbiologicsolutions.com](mailto:info@pharmbiologicsolutions.com)

317-415-0179 phone 317-536-3937-fax