

Sanitary Y-Strainer

The sanitary Y-Strainer is constructed of 316L stainless steel for excellent resistance to corrosive chemicals and to ensure product purity. The strainer is utilized in the food and beverage industry to remove impurities from the liquid stream.

We offer a complete line of strainers that range from 1.5" to 6" inlet/outlet with sanitary, flange or I-Line union connections to fit your flow rates. The wellscreen design is durable and can handle high differential pressure without failure. The Y-style makes for easy servicing without removing the entire unit, saving time and effort. The large sightglass allows for easy viewing of the upstream (dirty) wellscreen surface.

Customization of the housing is available.

Applications

Food & Beverage	Ink Jets
Fine Chemicals	Electronics
Plating Solutions	Pharmaceuticals
Process Water	Parts Cleaning



Picture of Internal WellScreen



Materials of Construction

Body: 316L Stainless Steel
 Siteglass: Glass
 Clamp: 304 Stainless Steel
 Gasket: Silicone, Viton or EPDM
 Wellscreen: 316L Stainless Steel

Connections

Inlet/Outlet : Tri-clamp, Flange and I-Line Union
 Sizes (in): 1.5, 2, 3, 4, 6

Finish

Interior/Exterior: Bead Blast and Passivate, or Electropolished

Operating Conditions

Max operating pressure:
 145 psi (10Bar) at 200°F (93°C)
 Test Pressure :
 165psi (11.4 Bar) at 75°F (24°C)

Features

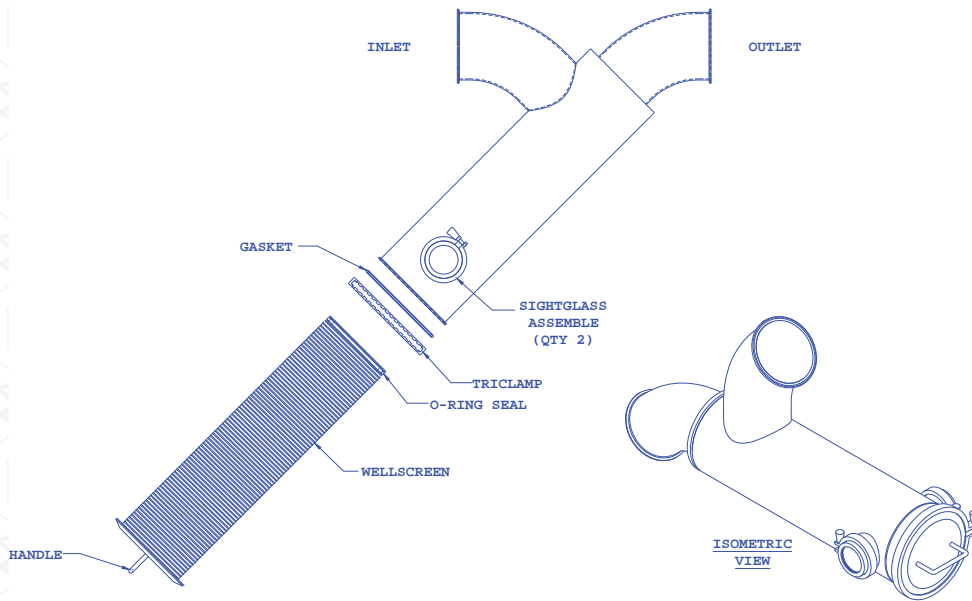
- Wide Chemical & Thermal Compatibility
- Y - Design
- Siteglass

Benefits

- Provides excellent compatibility with a wide range of chemicals
- The electropolished finish eliminates possible contamination that could potentially leach into the process chemicals
- For quick change out, and ease of use
- Provides the ability to put the strainer into a straight line of pipe
- Allows the user to see the wellscreen and particulate matter without opening the housing
- Prevents unnecessary contamination of the fluid stream

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Outside to Inside Flow



Y-Strainer Slot Size			
U.S Mesh	Inches	Microns	Millimeters
3	0.2650	6730	6.730
3.5	0.2230	5660	5.660
4	0.1870	4760	4.760
5	0.1570	4000	4.000
6	0.1320	3360	3.360
7	0.1110	2830	2.830
8	0.0937	2380	2.380
10	0.0787	2000	2.000
12	0.0661	1680	1.680
14	0.0555	1410	1.410
16	0.0469	1190	1.190
18	0.0394	1000	1.000
20	0.0331	840	0.840
25	0.0280	707	0.710
30	0.0232	595	0.590
35	0.0197	500	0.500
40	0.0165	420	0.420
45	0.0138	354	0.350
50	0.0117	297	0.297
60	0.0098	250	0.250
70	0.0083	210	0.210
80	0.0070	177	0.177
100	0.0059	149	0.149
120	0.0049	125	0.125
140	0.0041	105	0.105
170	0.0035	88	0.088
200	0.0029	74	0.074
230	0.0024	63	0.063
270	0.0021	53	0.053

Sanitary Y-Strainer Ordering Guide

Construction	Inlet/Outlet Fitting Size	Inlet/Outlet Fitting Style	Strainer Slot Size	Gasket Material	Interior/Exterior Finish	Options
SYS = Sanitary Y-Strainer	1.5 = 1.5" 2 = 2" 3 = 3" 4 = 4" 6 = 6"	TC = Tri Clamp F = Flange I = I-Line Union	***M - Pick U.S. Mesh Size from Table	E = EPDM V = Viton S = Silicon	BBP = Bead Blast & Passivate EP = Electropolish	NS = No Sight Glass
Example - Y-Strainer with 2" flange fitting with a 100 mesh stainer, EPDM gasket and electropolished is SYS2F100MEEP						

Your Local Distributor:

ZenPure

North & South Americas:
ZenPure Americas, Inc
www.zenpure.com
Info-us@zenpure.com
703-335-9910

All Other Regions:
ZenPure Corporation
www.zenpure.com
info@zenpure.com
+86 571 2288 6800

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