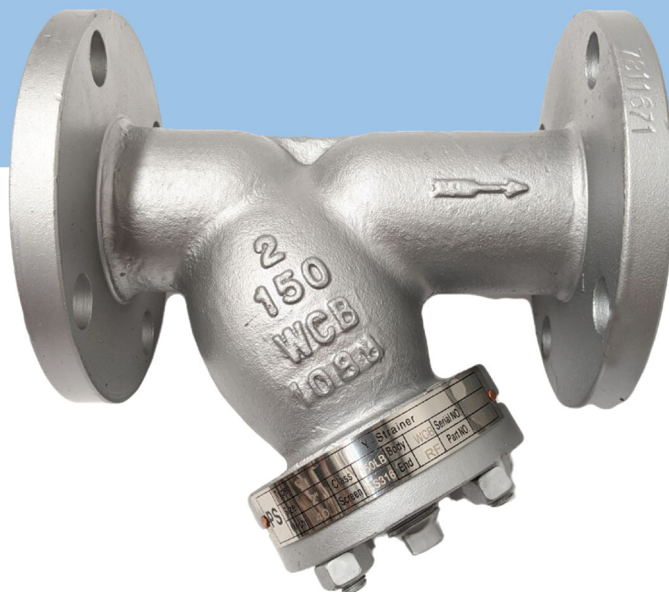




Y Strainer

Carbon Steel ANSI 150 Flanged



YSCS-150 Series

Size 50mm to 300mm

Body Cast Steel

Mesh 304 Stainless Steel (Refer to options)

Pressure Range 0 to 26 BAR

Flanged ANSI 150

Cast Steel ANSI 150 Flanged Y Strainer with 304 stainless steel screen and fasteners. -20°C to 260°C temperature range. 304 Stainless Steel and Graphite gasket allows for a wide range of media and temperatures. Typical applications include steam, water, brine and chemical. Designed to ASME B16.34, RF Flanged Ends to ASME B16.5, tested to API598.

| Model | DN (mm) | Media Pressure | Media Temperature | Screen (MM) |
|--------------|---------|----------------|-------------------|-------------|
| YSCS-150-050 | 50 | 0 to 20 BAR | -20°C to 260°C | 1.2 |
| YSCS-150-065 | 65 | 0 to 20 BAR | -20°C to 260°C | 1.2 |
| YSCS-150-080 | 80 | 0 to 20 BAR | -20°C to 260°C | 1.2 |
| YSCS-150-100 | 100 | 0 to 20 BAR | -20°C to 260°C | 1.2 |
| YSCS-150-125 | 125 | 0 to 20 BAR | -20°C to 260°C | 1.5 |
| YSCS-150-150 | 150 | 0 to 20 BAR | -20°C to 260°C | 1.5 |
| YSCS-150-200 | 200 | 0 to 20 BAR | -20°C to 260°C | 1.5 |
| YSCS-150-250 | 250 | 0 to 20 BAR | -20°C to 260°C | 2.5 |
| YSCS-150-300 | 300 | 0 to 20 BAR | -20°C to 260°C | 2.5 |

Refer to Page 3 for Screen Aperture Options



Dimensions

Materials



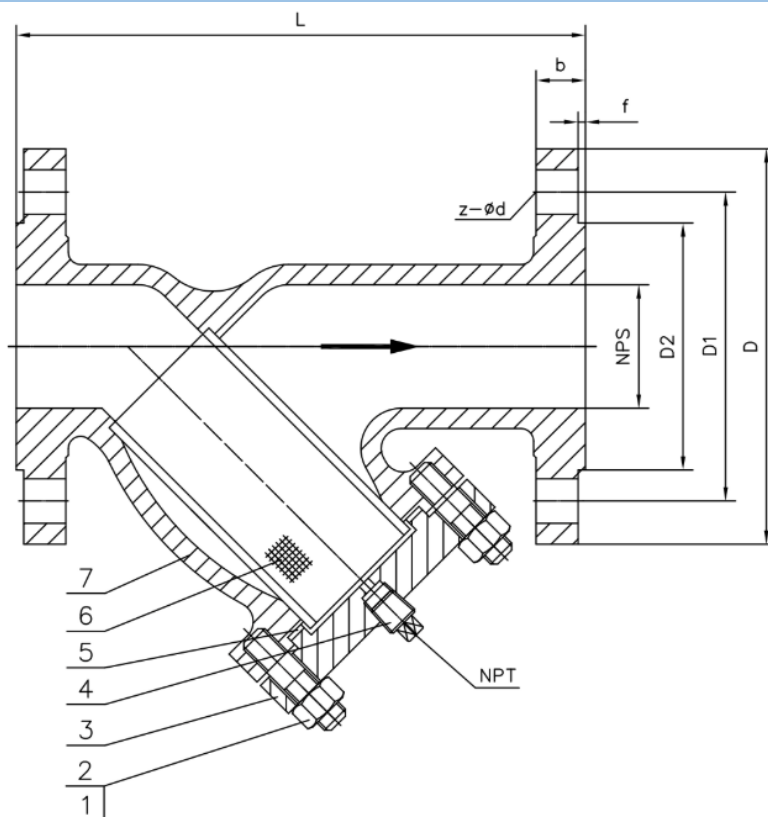
Screen Options

Unless otherwise quoted, strainers are supplied with standard screen as listed.

Monarch fabricates a wide variety of spare & replacement screens. Please refer to screen options attached.

Please note:

Clean Differential Pressure may change due a change in screen aperture size.



| DN | L | NPT | D | D1 | D2 | b | f | z-d |
|-----|-----|-----|-----|-------|-------|------|---|-------|
| 50 | 203 | 1/2 | 150 | 120.7 | 92.1 | 16.3 | 2 | 4-19 |
| 65 | 216 | 1/2 | 180 | 139.7 | 104.8 | 17.9 | 2 | 4-19 |
| 80 | 241 | 1/2 | 190 | 152.4 | 127 | 19.5 | 2 | 4-19 |
| 100 | 292 | 1/2 | 230 | 190.5 | 157.2 | 24.3 | 2 | 8-19 |
| 150 | 406 | 3/4 | 280 | 241.3 | 215.9 | 25.9 | 2 | 8-22 |
| 200 | 495 | 3/4 | 345 | 298.5 | 269.9 | 29 | 2 | 8-22 |
| 250 | 622 | 1 | 405 | 362 | 323.8 | 30.6 | 2 | 12-26 |
| 300 | 699 | 1 | 485 | 431.8 | 381 | 32.2 | 2 | 12-26 |

| Number | Part Name | Material |
|--------|-----------------|-----------------------|
| 1 | Bonnet Bolt Nut | ASTM A194 Gr.2H |
| 2 | Bonnet Bolt | ASTM A193 Gr.B7 |
| 3 | Bonnet | ASTM A216-WCB |
| 4 | Plug Fitting | Carbon Steel |
| 5 | Gasket | Flexible Graphite/304 |
| 6 | Filter Screen | SS304 |
| 7 | Body | ASTM A216-WCB |

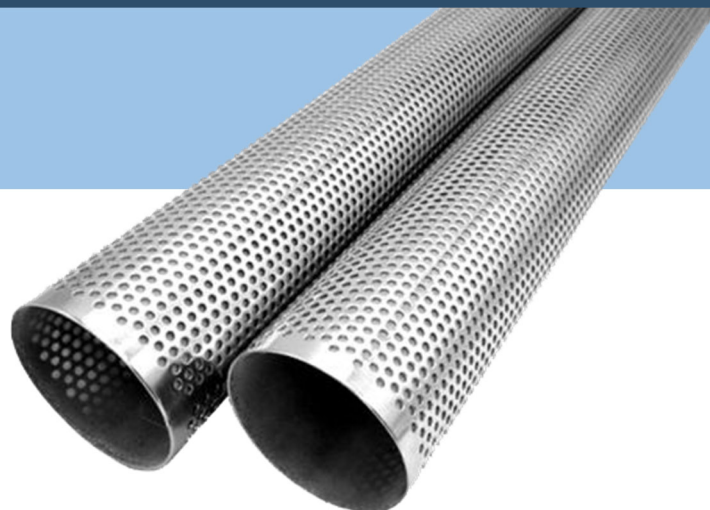
Screen Size Options

Perforated 304 Stainless

0.5mm perforations
 0.8mm perforations
 1.0mm perforations
 1.5mm perforations
 2mm perforations
 3mm perforations
 4mm perforations
 5mm perforations
 6mm perforations
 8mm perforations
 10mm perforation
 12mm perforations

Perforated 316 Stainless

0.8mm perforations
 1.1mm perforations
 1.5mm perforations
 2mm perforations
 3mm perforations
 4mm perforations
 5mm perforations
 10mm perforation



Woven Wire Mesh (316)

900 Micron
 810 Micron
 530 Micron
 415 Micron
 310 Micron
 260 Micron
 210 Micron
 190 Micron
 150 Micron
 130 Micron
 100 Micron
 80 Micron

Hollander Weave Mesh (316)

(5/14) 5 Micron Nominal, 14 Micron Absolute
 (10/18) 10 Micron Nominal, 18 Micron Absolute
 (15/26) 15 Micron Nominal, 26 Micron Absolute
 (25/38) 25 Micron Nominal, 38 Micron Absolute
 (35/45) 35 Micron Nominal, 45 Micron Absolute

Please contact our sales team for sizes not listed.