

726 Y-STRAINER



For pressure rating, listing, and approval information, refer to data sheet or visit SHURJOINT website www.shurjoint.com for details or contact your SHURJOINT representatives.

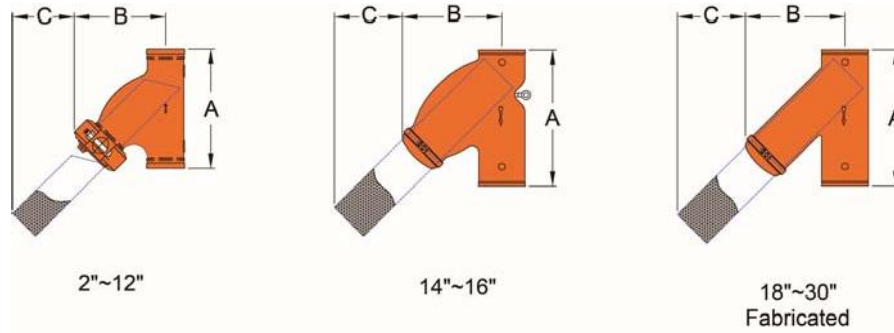
The Model 726 Grooved-end Y-Strainers are designed to strain debris and foreign matter from piping systems and thus provide inexpensive protection for costly pumps, meters and other components. The 726 Y-Strainer can be installed quickly and easily with two mechanical couplings and the straight flow through design provides for lower pressure drop. This strainer features a stainless steel screen that is secured with an end cap and mechanical coupling. Cleaning and maintenance of the screen can be accomplished easily by removing the coupling. The Model 726 Y-Strainer is suitable for vertical or horizontal installations.

Standard Screen: 1/16" (1.6 mm) perforated for 2" ~ 3" sizes and 1/8" (3.2 mm) perforated for 4" ~ 16". Other customized screen perforations are available on request.

material specification

- **Body, End-Cap, Drain Plug and Coupling Segments:**
Ductile Iron to ASTM A536, Gr. 65-45-12.
- **Surface Finish:**
Orange color painted or red RAL3000 color painted.
 - Hot dip galvanized
 - Epoxy coated in red RAL3000 or other colors

- **Rubber Gasket:**
Grade "E" EPDM (Color code: Green stripe) Good for cold & hot water up to +230°F (+110°C). Also good for services for water with acid, water with chlorine or chloramines, deionized water, seawater and waste water, dilute acids, oil-free air and many chemicals.
Not recommended for petroleum oils, minerals oils, solvents and aromatic hydrocarbons.
Maximum Temperature Range: -30°F (-34°C) to +230°F (+110°C)*.
*EPDM gaskets for water services are not recommended for steam services unless couplings or components are accessible for frequent gasket replacement.
 - Other options: Grade "T" Nitrile
Grade "O" Fluoroelastomer.
Grade "L" Silicone.
 For additional details contact Shurjoint.
- **Bolt & Nuts:**
Heat-treated carbon manganese steel track bolts to ASTM A449-83a (or A183 Gr. 2), minimum tensile strength 110,000 psi (758 MPa), Zinc electroplated, with heavy-duty hexagonal nuts to ASTM A563.
- **Screen:**
Stainless Steel Type 304 to ASTM A240. Factory's standard screen perforation is 1/16" (1.6 mm) and 1/8" (3.2 mm). Other perforations are available upon request.



Model 726 Y-Strainer

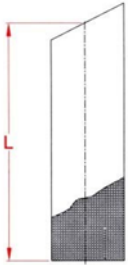
| Nominal Size | Pipe O.D. | Max. Working Pressure (CWP)* | Dimensions | | | Drain Plug Size | Weight |
|--------------|-----------|------------------------------|------------|-------|-------|-----------------|--------|
| | | | A | B | C | | |
| in | in | PSI | in | in | in | in | lbs |
| mm | mm | Bar | mm | mm | mm | mm | kg |
| 2 | 2.375 | 300 | 9.75 | 7.13 | 4.56 | ½ | 9.3 |
| 50 | 60.3 | 20 | 248 | 181 | 116 | 15 | 4.2 |
| 2½ | 2.875 | 300 | 10.75 | 7.83 | 4.80 | ½ | 13.2 |
| 65 | 73.0 | 20 | 273 | 199 | 122 | 15 | 6.0 |
| 76.1 | 3.000 | 300 | 10.75 | 7.83 | 4.80 | ½ | 13.2 |
| | 76.1 | 20 | 273 | 199 | 122 | 15 | 6.0 |
| 3 | 3.500 | 300 | 11.75 | 8.70 | 5.08 | 1 | 16.2 |
| 80 | 88.9 | 20 | 299 | 221 | 129 | 25 | 7.6 |
| 4 | 4.500 | 300 | 14.25 | 10.59 | 6.61 | 1 | 26.4 |
| 100 | 114.3 | 20 | 362 | 269 | 168 | 25 | 12.0 |
| 139.7 | 5.500 | 300 | 16.50 | 13.00 | 10.16 | 1 | 48.4 |
| | 139.7 | 20 | 419 | 330 | 258 | 25 | 22.0 |
| 5 | 5.563 | 300 | 16.50 | 13.00 | 10.16 | 1 | 48.4 |
| 125 | 141.3 | 20 | 419 | 330 | 258 | 25 | 22.0 |
| 6 150 | 6.625 | 300 | 18.50 | 14.05 | 8.62 | 1 | 65.4 |
| | 168.3 | 20 | 470 | 357 | 219 | 25 | 29.7 |
| 165.1 | 6.500 | 300 | 18.50 | 14.05 | 8.62 | 1 | 65.0 |
| | 165.1 | 20 | 470 | 357 | 219 | 25 | 29.5 |
| 8 | 8.625 | 232 | 24.00 | 17.87 | 11.18 | ½ | 121.0 |
| 200 | 219.1 | 16 | 610 | 454 | 284 | 40 | 55.0 |
| 10 | 10.750 | 175 | 27.00 | 20.55 | 12.60 | ½ | 182.6 |
| 250 | 273.0 | 12 | 686 | 522 | 320 | 40 | 83.0 |
| 12 | 12.750 | 175 | 30.00 | 24.00 | 14.40 | ½ | 277.2 |
| 300 | 323.9 | 12 | 762 | 609 | 366 | 40 | 126.0 |
| 200 JIS | 8.516 | 232 | 24.00 | 17.87 | 11.18 | ½ | 121.0 |
| | 216.3 | 16 | 610 | 454 | 284 | 40 | 55.0 |

726 Y-STRAINER
Rev.20220713

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|----------------------|-----------|------------------------------|------------|-------|-------|-----------------|--------|
| Nominal Size | Pipe O.D. | Max. Working Pressure (CWP)* | Dimensions | | | Drain Plug Size | Weight |
| | | | A | B | C | | |
| in | in | PSI | in | in | in | in | lbs |
| mm | mm | Bar | mm | mm | mm | mm | kg |
| 250 JIS | 10.528 | 175 | 27.00 | 20.55 | 12.60 | 1½ | 182.6 |
| | 267.4 | 12 | 686 | 522 | 320 | 40 | 83.0 |
| 300 JIS | 12.539 | 175 | 30.00 | 24.00 | 14.40 | 1½ | 277.2 |
| | 318.5 | 12 | 762 | 609 | 366 | 40 | 126.0 |
| 14 | 14.000 | 175 | 40.00 | 29.92 | 18.90 | 1¼ | 418.0 |
| 350 | 355.6 | 12 | 1016 | 760 | 480 | 32 | 190.0 |
| 16 | 16.000 | 175 | 42.00 | 30.60 | 19.00 | 1¼ | 495.0 |
| 400 | 406.4 | 12 | 1067 | 777 | 483 | 32 | 225.0 |
| 18 | 18.000 | 175 | 48.50 | 33.50 | 28.00 | 2 | 825.0 |
| 450 | 457.2 | 12 | 1232 | 851 | 711 | 50 | 375.0 |
| 20 | 20.000 | 175 | 53.75 | 39.00 | 32.00 | 2 | 1056.0 |
| 500 | 508.0 | 12 | 1365 | 991 | 813 | 50 | 480.0 |
| 22 | 22.000 | 175 | 60.00 | 40.50 | 33.00 | 2 | 1474.0 |
| 550 | 559.0 | 12 | 1527 | 1029 | 838 | 50 | 670.0 |
| 24 | 24.000 | 175 | 64.00 | 42.00 | 34.00 | 2 | 1683.0 |
| 600 | 609.6 | 12 | 1626 | 1067 | 864 | 50 | 765.0 |
| 26 | 26.000 | 175 | 68.00 | 47.00 | 38.00 | 2 | 2244.0 |
| 650 | 660.4 | 12 | 1727 | 1194 | 965 | 50 | 1020.0 |
| 28 | 28.000 | 175 | 72.00 | 51.50 | 41.00 | 2 | 3014.0 |
| 700 | 711.2 | 12 | 1829 | 1308 | 1041 | 50 | 1370.0 |
| 30 | 30.000 | 175 | 75.00 | 56.00 | 44.50 | 2 | 3487.0 |
| 750 | 762.0 | 12 | 1905 | 1422 | 1130 | 50 | 1585.0 |

*Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.

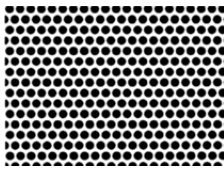
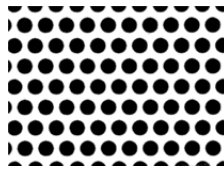
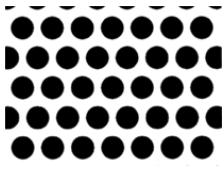
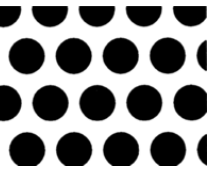
Screen Dimensions



| Screen Dimensions | | | | | | | | | | | | |
|-------------------|----|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Size | in | 2 | 2.5 | 3 | 4 | 5 | 6 | 8 | 10 | 12 | 14 | 16 |
| | mm | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 | 400 |
| L | in | 7.08 | 7.56 | 8.15 | 10.55 | 12.40 | 13.90 | 17.90 | 20.50 | 23.50 | 29.50 | 29.00 |
| | mm | 180 | 192 | 207 | 268 | 315 | 353 | 455 | 521 | 597 | 749 | 737 |

Perforation



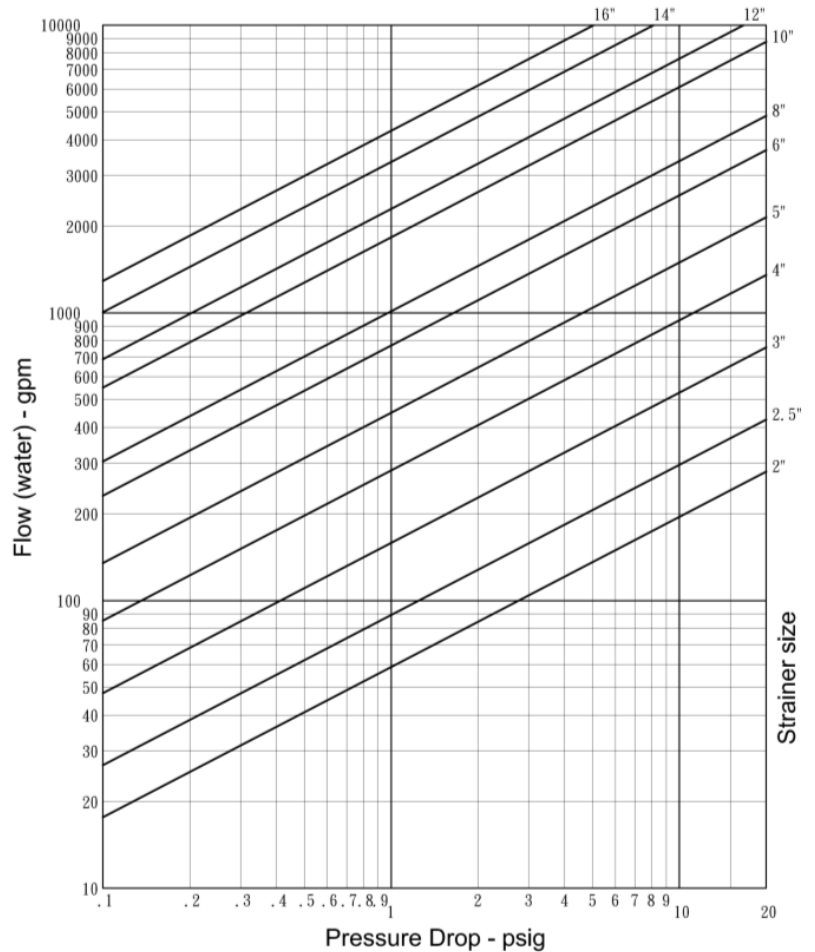
| Perforation | | | |
|---|---|---|---|
|  |  |  |  |
| 1.6 mm DIAM. 144 HOLES SQ. IN. 38% OPEN AREA | 3.2 mm DIAM. 32 HOLES SQ. IN. 40% OPEN AREA | 5.0 mm DIAM. 18 HOLES SQ. IN. 46% OPEN AREA | 8.0 mm DIAM. 14 HOLES SQ. IN. 43% OPEN AREA |

Flow Data - Cv Values

Values for flow of water at +60°F (+16°C).

$$Cv = \frac{Q}{\sqrt{\Delta P}}$$

Where: Cv = Flow coefficient
 Q = Flow (GPM)
 ΔP = Pressure drop (psi)



General note

- Maximum Working Pressure (CWP) listed is the maximum cold water pressure for general piping services tested to ASTM F1476 and or AWWA C606 methods. Figures listed are based on roll- or cut-grooved standard wall carbon steel pipe. For other pipe schedules or pipe materials, contact Shurjoint for additional information.
- Listed and or Approved Pressures are pressure ratings for fire protection systems, tested and approved by various approval bodies. Please always refer to the latest approval data posted on the Shurjoint website.
- Field Joint Test: For one time only the system may be tested hydrostatically at 1½ times the maximum working pressure listed (AWWA C606 5.2.3).
- Warning: Piping systems must always be depressurized and drained before attempting disassembly and or removal of any components.
- The 10 Year Limited Warranty applies to manufacturing defects only and does not cover severe service/temperature applications or wear parts.
- Shurjoint reserves the right to change specifications, designs and or standard without notice and without incurring any obligations.