

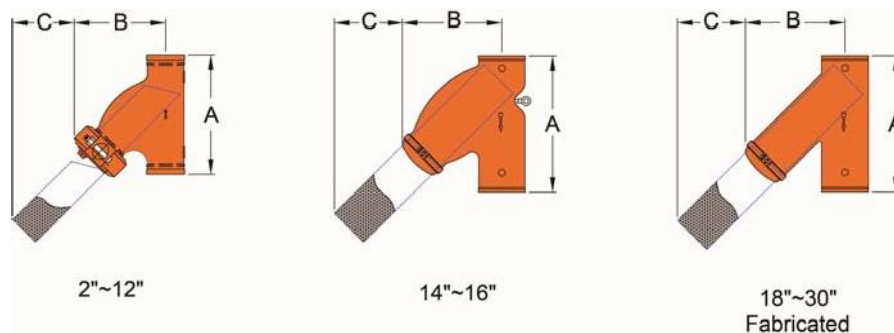
MODEL 726 Y-STRAINER

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.



For Fire Protection pressure rating, listing, and approval information, refer to Data Sheet B-42 or visit **SHURJOINT** website, www.shurjoint.com for details or contact your **SHURJOINT** Representative.



Full warranty terms can be found on www.shurjoint.com

Model 726 Y-Strainer

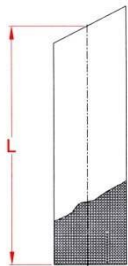
Nominal Size	Pipe O.D.	Max. Working Pressure (CWP)*	Dimensions			Drain Plug Size	Weight
			A	B	C		
in	in	PSI	in	in	in	in	Lbs
mm	mm	Bar	mm	mm	mm	mm	Kgs
2	2.375	300	9.75	7.13	4.56	½	9.3
50	60.3	20	248	181	116	15	4.2
2½	2.875	300	10.75	7.83	4.80	½	13.2
65	73.0	20	273	199	122	15	6.0
76.1 mm	3.000	300	10.75	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 mm	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	6.625	300	18.50	14.05	8.62	1	65.4
150	168.3	20	470	357	219	25	29.7
165.1 mm	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	1½	121.0
200	219.1	16	610	454	284	40	55.0
10	10.750	175	27.00	20.55	12.60	1½	182.6
250	273.0	12	686	522	320	40	83.0
12	12.750	175	30.00	24.00	14.40	1½	277.2
300	323.9	12	762	609	366	40	126.0
200 JIS	8.516	232	24.00	17.87	11.18	1½	121.0
	216.3	16	610	454	284	40	55.0

Model 726 Y-Strainer

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

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

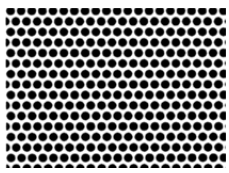
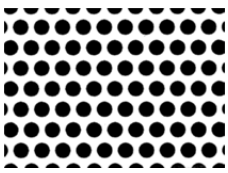
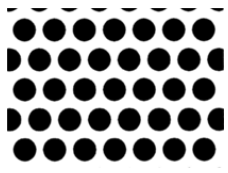
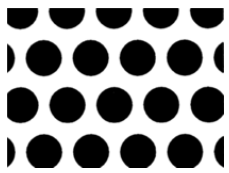
Screen Dimensions



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



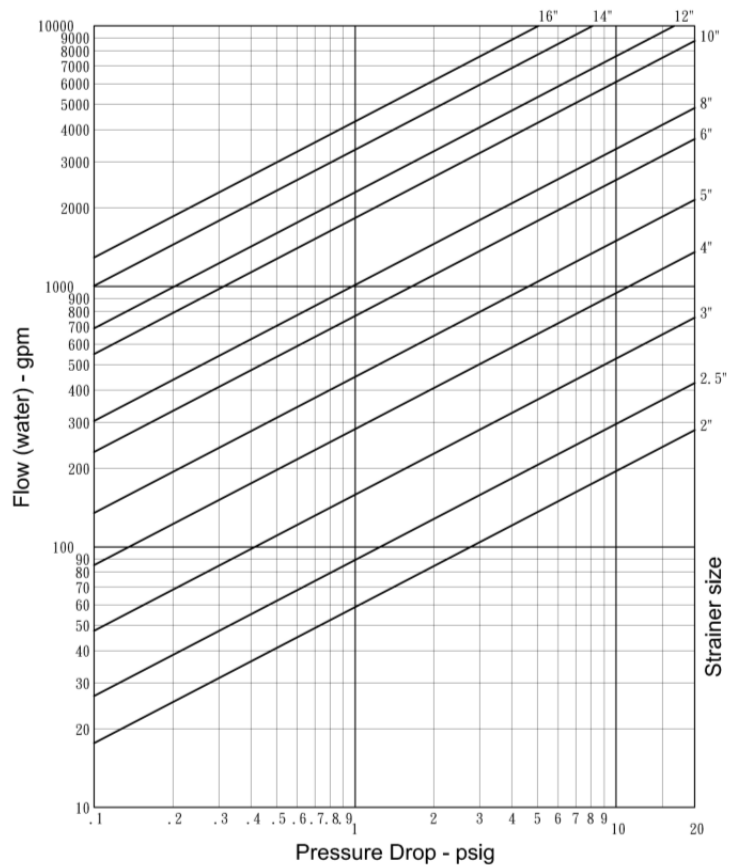
Perforation			
			
1.6 mm DIAM. 144 HOLES SQ. IN. 38% OPEN AREA	3.2 mm DIAM. 32 HOLES SQ. IN. 40% OPEN AREA	5.0 mm DIAM. 18 HOLES SQ. IN. 46% OPEN AREA	8.0 mm DIAM. 14 HOLES SQ. IN. 43% OPEN AREA

Flow Data – C_v Values

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

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

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



MATERIAL SPECIFICATIONS

• Body, End-Cap, Drain Plug and Coupling Segments:

Ductile Iron to ASTM A536, Gr. 65-45-12 and or to ASTM A395, Gr. 65-45-15.

• Surface Finish:

Orange color painted or red RAL3000 color painted

- ☐ Hot dip galvanized (Option)
- ☐ Epoxy coated in red RAL3000 or other colors (Option)

• 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.

- ☐ Grade "T" Nitrile (color code: Orange stripe) (Option) Recommended for petroleum products, vegetable oils, mineral oils and air with oil vapors. Temperature range: -20 °F to +180 °F (-29 °C to +82 °C). Also good for water services under +150 °F (+66 °C).

Do not use for HOT WATER above +150° F (+66°C) or HOT DRY AIR above +140° F (+60°C).

- ☐ Other options: Grade "O" Fluoroelastomer, Grade "L" Silicone are also available upon request.

• Bolts & 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.

General Notes:

- **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 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.

Shurjoint product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact **Shurjoint** Technical Service. **Shurjoint** reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligations to make such changes and modifications on **Shurjoint** products previously subsequently sold.