

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.

REF: CCS726_032021_REV0

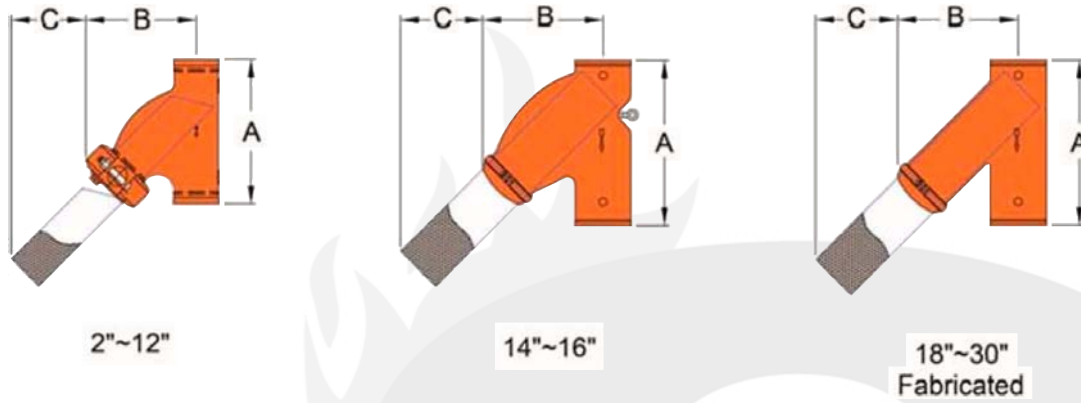
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DIMENSIONS



Nominal Size	Pipe O.D.		Max. Working Pressure (CWP)*		DIMENSIONS			Drain Plug Size	Weight
	in	mm	PSI	Bar	A	B	C		
2	50	60.3	300	20	248	181	116	15	4.2
2 1/2	65	73.0	300	20	273	199	122	15	6.0
		76.1	300	20	273	199	122	15	6.0
3	80	88.9	300	20	299	221	129	25	7.6
4	100	114.3	300	20	362	269	168	25	12.0
5	125	139.7	300	20	419	330	258	25	22.0
		141.3	300	20	419	330	258	25	22.0
6	150	168.3	300	20	470	357	219	25	29.7
		165.1	300	20	470	357	219	25	29.5
8	200	219.1	232	16	610	454	284	40	55.0
10	250	273.0	175	12	686	522	320	40	83.0
12	300	323.9	175	12	762	609	366	40	126.0

Nominal Size	Pipe O.D.		Max. Working Pressure (CWP)*		DIMENSIONS			Drain Plug Size	Weight
	in	mm	PSI	Bar	A	B	C		
200 JIS		216.3	232	16	610	454	284	40	55.0
250 JIS		267.4	175	12	686	522	320	40	83.0
300 JIS		318.5	175	12	762	609	366	40	126.0
14	350	355.6	175	12	1016	760	480	32	190.0
16	400	406.4	175	12	1067	777	483	32	225.0
18	450	457.2	175	12	1232	851	711	50	375.0
20	500	508.0	175	12	1365	991	813	50	480.0
22	550	559.0	175	12	1527	1029	838	50	670.0
24	600	609.6	175	12	1626	1067	864	50	765.0
26	650	660.4	175	12	1727	1194	965	50	1020.0
28	700	711.2	175	12	1829	1308	1041	50	1370.0
30	750	762.0	175	12	1905	1422	1130	50	1585.0

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

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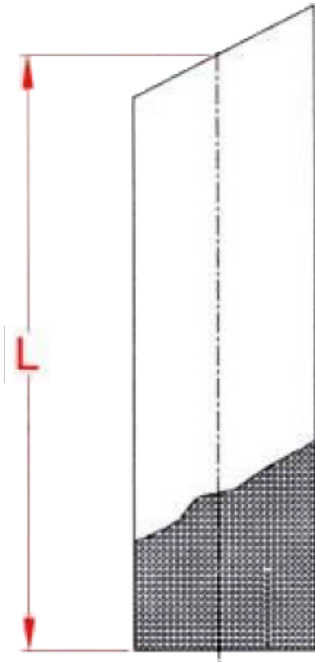
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SCREEN DIMENSIONS



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



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

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FLOW DATA - C_v VALUES

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

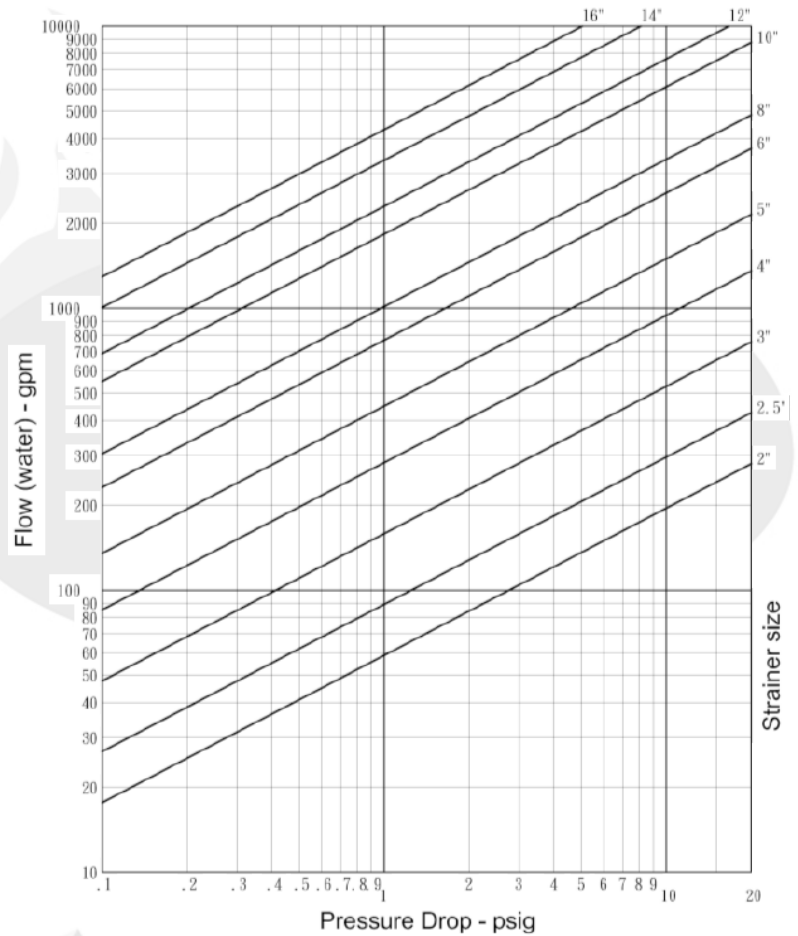
$$C_v = \frac{Q}{\sqrt{\Delta P}}$$

Where :

C_v = Flow coefficient

Q = Flow (GPM)

ΔP = Pressure drop (psi)



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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 zinc 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, 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.

- (Option) **Grade "T" Nitrile** (Color code: Orange stripe) Recommended for petroleum products, air with oil vapors, vegetable and mineral oils within the specified temperature range. Also good for water services under +150°F (+66°C).

Temperature range: -20°F to +180°F (-29°C to +82°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.

Max. End Load is calculated based on the maximum working pressure (CWP).

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.

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.

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