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.

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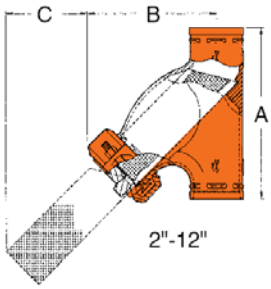
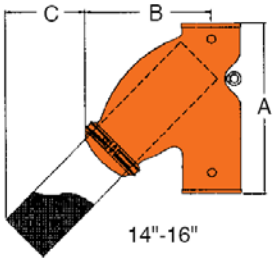
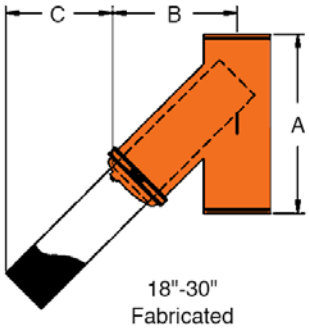
For Fire Protection pressure rating, listing, and approval information, refer to Data Sheet B-42 or visit ***SHURJOINT*** website, www.shurjoint.com for details or contact your ***SHURJOINT*** Representative.







10 YEAR LIMITED WARRANTY

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

Model 726 Y-Strainer

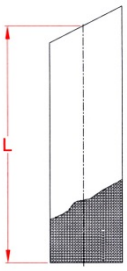
Nominal Size	Pipe O. D.	Max. Working Pressure (CWP)*	ASME/ANSI Pressure Class Rating^ @100ºF/@38ºC	Dimensions A	Dimensions B	Dimensions C	Drain Plug Size	Approx. Weight
in *mm*	in *mm*	PSI *Bar*	PSI *Nom. Class*	in *mm*	in *mm*	in *mm*	in *mm*	Lbs *Kgs*
2 *50*	2.375 *60.3*	300 *20*	300 *150*	9.75 *248*	7.13 *181*	4.56 *116*	½ *15*	9.3 *4.2*
2½ *65*	2.875 *73.0*	300 *20*	300 *150*	10.75 *273*	7.83 *199*	4.80 *122*	½ *15*	13.2 *6.0*
76.1 mm	3.000 *76.1*	300 *20*	300 *150*	10.75 *273*	7.83 *199*	4.80 *122*	½ *15*	13.2 *6.0*
3 *80*	3.500 *88.9*	300 *20*	300 *150*	11.75 *299*	8.70 *221*	5.08 *129*	1 *25*	16.2 *7.6*
4 *100*	4.500 *114.3*	300 *20*	300 *150*	14.25 *362*	10.59 *269*	6.61 *168*	1 *25*	26.4 *12.0*
139.7 mm	5.500 *139.7*	300 *20*	300 *150*	16.50 *419*	13.00 *330*	10.16 *258*	1 *25*	48.4 *22.0*
5 *125*	5.563 *141.3*	300 *20*	300 *150*	16.50 *419*	13.00 *330*	10.16 *258*	1 *25*	48.4 *22.0*
6 *150*	6.625 *168.3*	300 *20*	300 *150*	18.50 *470*	14.05 *357*	8.62 *219*	1 *25*	65.4 *29.7*
165.1 mm	6.500 *165.1*	300 *20*	300 *150*	18.50 *470*	14.05 *357*	8.62 *219*	1 *25*	65.0 *29.5*
8 *200*	8.625 *219.1*	232 *16*	300 *150*	24.00 *610*	17.87 *454*	11.18 *284*	1½ *40*	121.0 *55.0*
10 *250*	10.750 *273.0*	175 *12*	300 *150*	27.00 *686*	20.55 *522*	12.60 *320*	1½ *40*	182.6 *83.0*
12 *300*	12.750 *323.9*	175 *12*	300 *150*	30.00 *762*	24.00 *609*	14.40 *366*	1½ *40*	277.2 *126.0*
200 JIS	8.516 *216.3*	232 *16*	300 *150*	24.00 *610*	17.87 *454*	11.18 *284*	1½ *40*	121.0 *55.0*
250 JIS	10.528 *267.4*	175 *12*	175 *125*	27.00 *686*	20.55 *522*	12.60 *320*	1½ *40*	182.6 *83.0*

Model 726 Y-Strainer

Nominal Size	Pipe O. D.	Max. Working Pressure (CWP)*	ASME/ANSI Pressure Class Rating^ @100ºF/@38ºC	Dimensions A	Dimensions B	Dimensions C	Drain Plug Size	Approx. Weight
in *mm*	in *mm*	PSI *Bar*	PSI *Nom. Class*	in *mm*	in *mm*	in *mm*	in *mm*	Lbs *Kgs*
300 JIS	12.539 *318.5*	175 *12*	175 *125*	30.00 *762*	24.00 *609*	14.40 *366*	1½ *40*	277.2 *126.0*
14 *350*	14.000 *355.6*	175 *12*	175 *125*	40.00 *1016*	29.92 *760*	18.90 *480*	1¼ *32*	418.0 *190.0*
16 *400*	16.000 *406.4*	175 *12*	175 *125*	42.00 *1067*	30.60 *777*	19.00 *483*	1¼ *32*	495.0 *225.0*
18 *450*	18.000 *457.2*	175 *12*	175 *125*	48.50 *1232*	33.50 *851*	28.00 *711*	2 *50*	825.0 *375.0*
20 *500*	20.000 *508.0*	175 *12*	175 *125*	53.75 *1365*	39.00 *991*	32.00 *813*	2 *50*	1056.0 *480.0*
22 *550*	22.000 *559.0*	175 *12*	175 *125*	60.00 *1527*	40.50 *1029*	33.00 *838*	2 *50*	1474.0 *670.0*
24 *600*	24.000 *609.6*	175 *12*	175 *125*	64.00 *1626*	42.00 *1067*	34.00 *864*	2 *50*	1683.0 *765.0*
26 *650*	26.000 *660.4*	175 *12*	175 *125*	68.00 *1727*	47.00 *1194*	38.00 *965*	2 *50*	2244.0 *1020.0*
28 *700*	28.000 *711.2*	175 *12*	175 *125*	72.00 *1829*	51.50 *1308*	41.00 *1041*	2 *50*	3014.0 *1370.0*
30 *750*	30.000 *762.0*	175 *12*	175 *125*	75.00 *1905*	56.00 *1422*	4450 *1130*	2 *50*	3487.0 *1585.0*

*Working pressure is based on connection with roll- or cut-grooved standard wall carbon steel pipe.
^ The ASME/ANSI pressure class rating is not the design or maximum pressure rating, rather is provided for those that are accustomed to specifying or using ASME/ANSI pressure class rated components such as flange, valves, etc.

Screen Dimensions

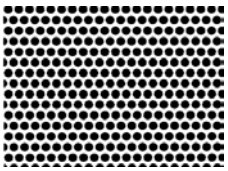
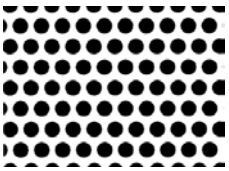
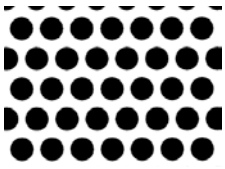
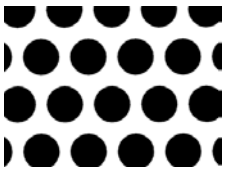


Screen Dimensions

Size		2	2.5	3	4	5	6	8	10	12	14	16
	in	50	65	80	100	125	150	200	250	300	350	400
	mm											
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

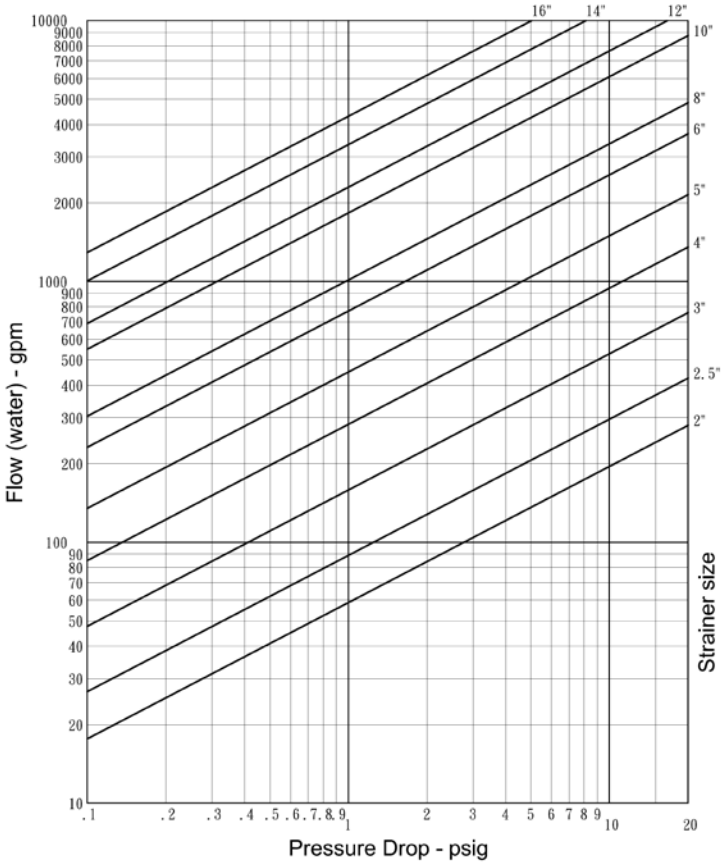
			
1.6 mm DIAM. 144 HOLES SQ. IN 38% OPEN AREA	3.2 mm DIAM. 32 HOLES SQ. IN. 40% OPEN AREA	5.0 mm DIAM. 18 HOLES SQ. IN. 46% OPEN AREA	8.0 mm DIAM. 14 HOLES SQ. IN 43% OPEN AREA

Flow Data – C_v Values

Values for flow of water at +60ºF (+16ºC).

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

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 +230ºF (+110ºC). 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: -30ºF (-34ºC) to +230ºF (+110ºC)*.
*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 ºF to +180 º F (-29 ºC to +82 ºC). Also good for water services under +150 º F (+66 ºC). Do not use for HOT WATER above +150 º F (+66 ºC) or HOT DRY AIR above +140 º F (+60 ºC).

- ☐ 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:

- *ASME/ANSI Pressure-Temperature Rating* is provided as an aid in selecting a proper coupling to incorporate with other piping components (valves, flanges, and etc.) that are used in the same system and carry the ASME/ANSI rating. Select a Class 150 coupling to incorporate with Class 150 valves and flanges.
- *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.

Job Name:	System No.	Location:
Contractor:	Approved:	Date:
Engineer:	Approved:	Date: