



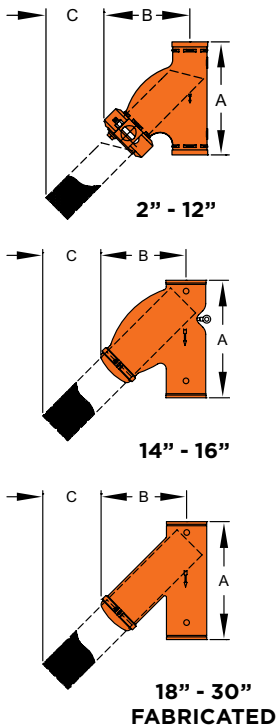
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The Model 726 Grooved-end Y-Strainers are designed to strain debris and foreign matter from piping systems and thus provide inexpensive protection for costly pumps, meters and other components. The 726 Y-Strainer can be installed quickly and easily 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 [www.shurjoint.com](http://www.shurjoint.com) for details or contact Shurjoint.

**DIMENSIONS**



NOMINAL SIZE	PIPE O.D.	MAX. WORKING PRESSURE (CWP)**	DIMENSIONS			DRAIN PLUG SIZE	WEIGHT
			A	B	C		
in	in	PSI	in	in	in	in	lb
mm	mm	Bar	mm	mm	mm	mm	kg
2	2.375	300	9.75	7.13	4.56	1/2	9.3
50	60.3	20	248	181	116	15	4.2
2-1/2	2.875	300	10.75	7.83	4.80	1/2	13.2
65	73.0	20	273	199	122	15	6.0
76.1 mm	3.000	300	10.75	7.83	4.80	1/2	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	1-1/2	121.0
200	219.1	16	610	454	284	40	55.0
10	10.750	175	27.00	20.55	12.60	1-1/2	182.6
250	273.0	12	686	522	320	40	83.0
12	12.750	175	30.00	24.00	14.40	1-1/2	277.2
300	323.9	12	762	609	366	40	126.0
200 JIS	8.516	232	24.00	17.87	11.18	1-1/2	121.0
	216.3	16	610	454	284	40	55.0
250 JIS	10.528	175	27.00	20.55	12.60	1-1/2	182.6
	267.4	12	686	522	320	40	83.0
300 JIS	12.539	175	30.00	24.00	14.40	1-1/2	277.2
	318.5	12	762	609	366	40	126.0
14	14.000	175	40.00	29.92	18.90	1-1/4	418.0
350	355.6	12	1016	760	480	32	190.0
16	16.000	175	42.00	30.60	19.00	1-1/4	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.

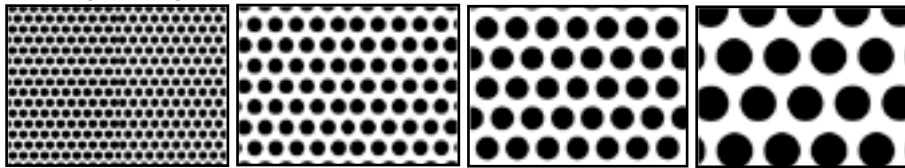


### SCREEN DIMENSIONS

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	12.4	13.9	17.9	20.5	23.5	29.5	29
	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

### FLOW DATA

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

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

Where:

Cv = Flow coefficient

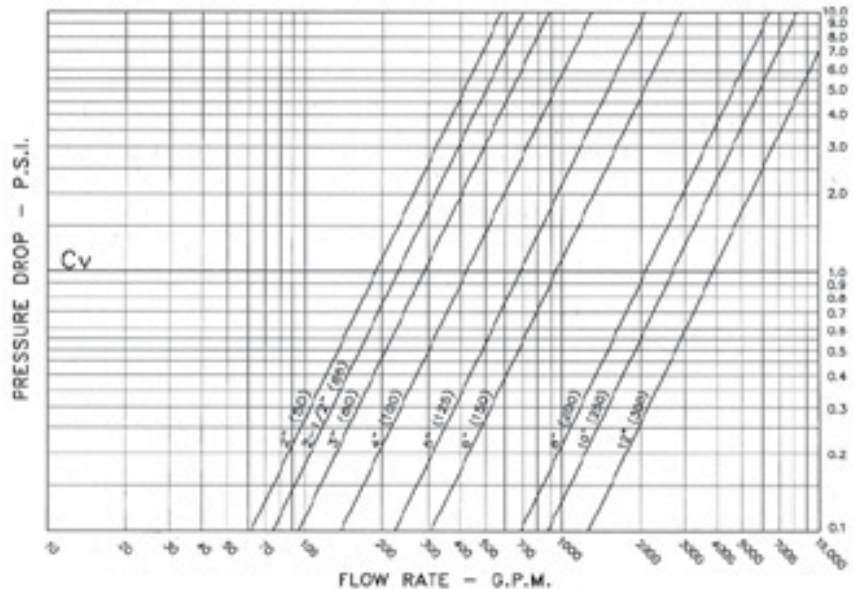
Q = Flow (GPM)

ΔP = Pressure drop (psi)

### Cv VALUES

NOMINAL SIZE	CV VALUES
in	
mm	
2	190
50	
2-1/2	230
65	
3	290
80	
4	425
100	
5	685
125	
6	950
150	
8	2108
200	
10	2683
250	
12	3872
300	
14	5050
350	

FLOW DATA - WATER AT 65°F (18°C)



## MATERIAL SPECIFICATIONS

### BODY, END-CAP & COUPLING SEGMENTS:

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

### SURFACE FINISH:

- Standard painted finishes in orange or RAL3000 red.
- Hot dip galvanized (optional)
- Epoxy coatings in RAL3000 red or other colors (optional)

### 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.

## 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.
- 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

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## 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).
- Field Joint Test: For one time only the system may be tested hydrostatically at 1.5 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.