

“Weilong” Y-strainer



WSD GA No.: C20220268, C20220234

“Weilong” Y-strainer

1. Model 7101

Suitable for Fresh, F/S & Flush water system

2. Working Pressure and Temperature

Working pressure 16bars

Operating temperature up to 85°C.

3. Flange Type

BS4504 PN16

EN1092-2 PN16

4. Epoxy Coating material approval for potable water service to “BS6920-1:2000 and or 2014”. (WRAS No.1603543)

5. Large filtering area – more than five times of pipe cross-section area

6. Standard Screens

Strainers Size	Hole Dia. (Free flow area)
DN50 to DN100	1.5mm
DN150 to DN600	3.0mm

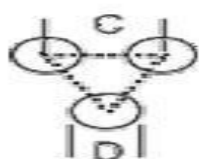
Materials Specification

Part Name	Standard
Body , Cover	Spheroidal Graphite Cast Iron (Ductile Iron) BS EN1563 EN-GJS-400-15
Screen, Bolt, Stud and Nut	Stainless Steel to BS EN 10088-1 Grade 1.4401 (SS316)
Drain Plug	Malleable Iron

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Percentage of open area caculation of screen of Model 7101 Y-Strainer

Round holes, 60 degrees staggered



where:

D = the diameter of the hole;

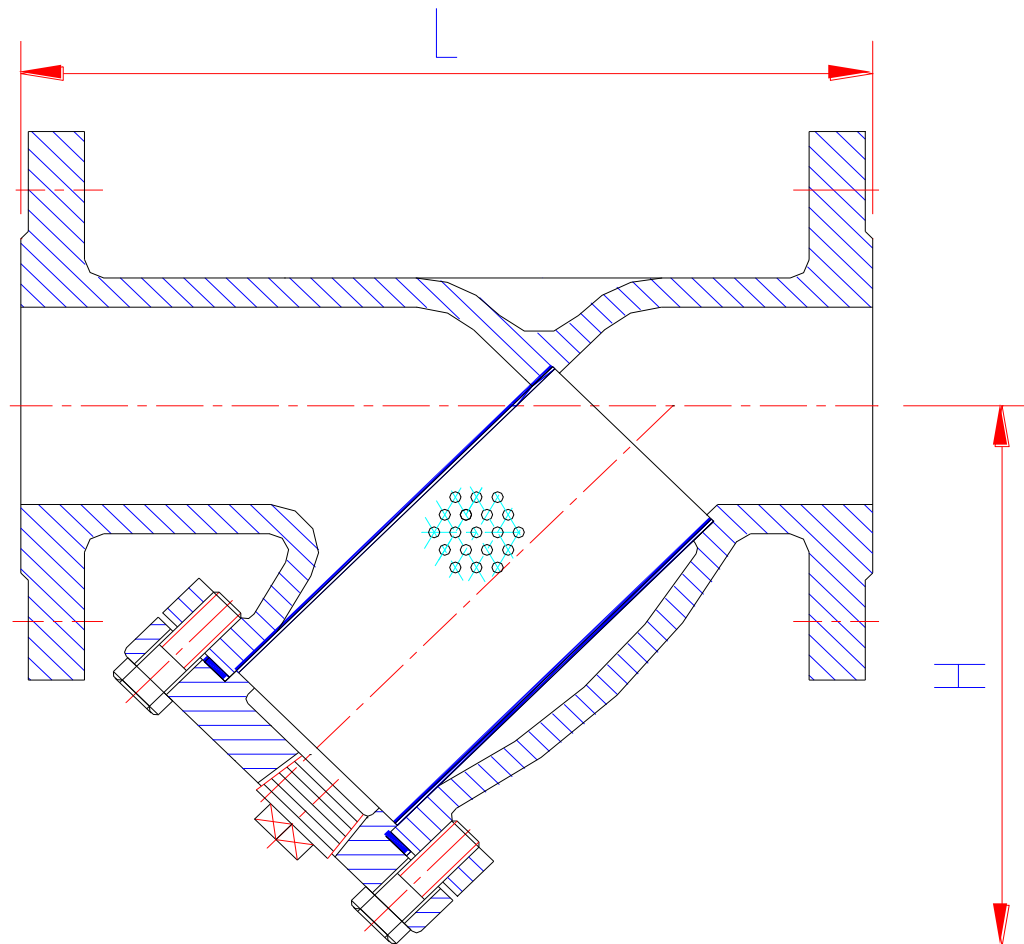
C = hole centers

$$\frac{D^2 \times 90.69}{C^2} = \%$$

Equations for calculating Open area for 60 degree staggered round holes

DN (mm)	Cross-section area of pipe (mm ²)	Diameter of the screen (mm)	Length of the screen (mm)	Diameter of the hole, D (mm)	Hole centers C (mm)	Opening percentage of the screen (%)	Free flow area (mm ²)	Ratio of opening area to pipe cross-section
50	1963	55	105	1.5	2.8	26.0	4720	2.40
65	3317	71	135	1.5	2.8	26.0	7833	2.36
80	5024	80	170	1.5	2.8	26.0	11115	2.21
100	7850	103	200	1.5	2.8	26.0	16835	2.14
125	12266	128	235	3.0	4.5	40.3	38070	3.10
150	17663	156	250	3.0	4.5	40.3	49360	2.79
200	31400	208	325	3.0	4.5	40.3	85557	2.72
250	49063	263	390	3.0	4.5	40.3	129816	2.65
300	70650	314	410	3.0	4.5	40.3	162937	2.31

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Dimensions (mm)

Size	50	65	80	100	125	150	200	250	300	350	400	450	500	600
L	230	273	295	352	416	470	543	660	770	960	1079	1168	1275	1450
H	150	185	205	245	294	330	415	492	562	755	827	930	980	1170
Plug	1/2"	1"	1"	1"	1-1/4"	1-1/2"	1-1/2"	2"	2"	2"	2"	2"	2"	2"