

VALVEMAKER

Cast Iron Y-Strainer

SPECIFICATION

The Valvemaker Y-Type Strainer afford pipeline protection for pumps, chillers, steam traps and other equipment.

Suitable for waterworks, drainage, fire fighting, air conditioning, sea water, air steam and etc.

DESIGN

- Body – oval shape for strength. Minimal height for strength and rigidity.
- Screen – high quality corrosion resistance stainless steel with maximum ϕ 1.5 to ϕ 3.0mm aperture size
- Large filtering area – more than five times of pipe cross-section area



FLANGE DRILLING

To suit BS EN1092-2 PN16/25 etc. (former standard BS4504 PN16/25)

PROTECTIVE COATING

Electrostatically applied, fusion bonded Blue Epoxy based powder coating material, approved for portable water service to BS6920.

END CONNECTION

Connections are flanged mainly suitable for the following specifications :

- BS EN1092-2 (former standard BS4504 and BS4772) PN16/25
- DIN2533 ND16 / DIN2534 ND25
- ANSI Class 125/150/300

MATERIAL

COMPONENT	STANDARD	OPTIONS on request
Body , Cover	Grey Cast Iron ¹ BS EN1561 EN-GJL-250 (former standard BS1452 grade 260)	Ductile Iron (Spheroidal Graphite cast iron) ² BS EN1563 GJS410/18 or 420/12
Screen	Stainless Steel BS970 Grade 304	Stainless Steel BS970 Grade 316
Drain Plug	Copper Alloy BS1400 LG-2	Malleable Iron / Stainless Steel BS970 Grade 304 / Grade 316
Assembly & Fixing Bolts/Nuts	Stainless Steel BS970 Grade 304	Stainless Steel BS970 Grade 316

All valves are machine tested on each face to the nominal pressure and on the body to the test pressure in BS EN12266-1

Remarks: former standard ¹BS1452 ²BS1452

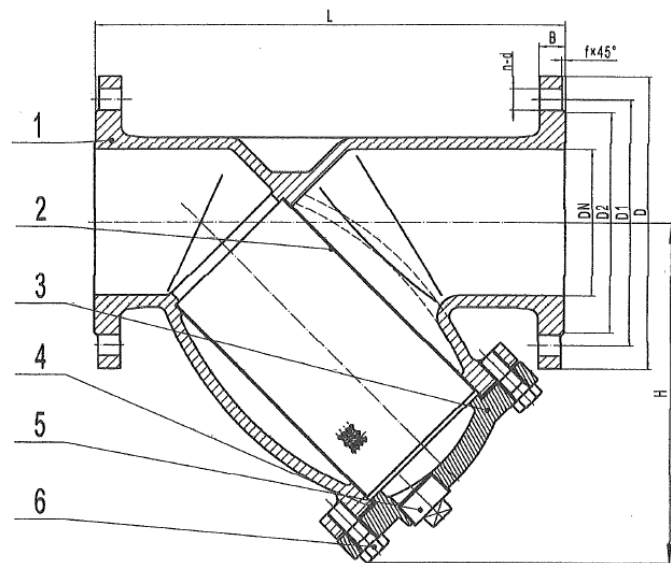
TESTING

Figure No.	Working Pressure	Test Pressure
16YS	16 Bar	24 Bar
25YS	25 Bar	37.5 Bar

For Waterworks/Drainage/Sewage Purpose & General Use

VALVEMAKER

Cast Iron Y-Strainer



DIMENSIONS (mm)

DN	L	D	D1 (PCD)	D2	b	f	n-d	H	Weight (kg)
50	230	165	125	99	20	3	4-19	156	
65	290	185	145	118	20	3	4-19	176	
80	310	200	160	132	22	3	8-19	199	
100	350	220	180	156	24	3	8-19	240	
150	480	285	240	211	26	3	8-23	320	
200	600	340	295	266	30	3	12-23	399	
250	730	405	355	319	32	3	12-28	516	
300	850	460	410	370	32	4	12-28	568	
350	980	520	470	438	36	4	16-28	648	
400	1100	580	525	480	38	4	16-31	759	

*Above data is applicable for both PN16 and PN25 rating.

*Larger size can be produced upon request and refer drawing.

Ref.	COMPONENT	MATERIAL	BS STANDARD	BS EN Standard
1	BODY	CAST IRON - C I	BS1452 GRADE 260	BS EN1561-EN-GJL-250
2	SCREEN	STAINLESS STEEL - 304	BS970 GRADE 304	BS EN10088-1.4301
3	BONNET	CAST IRON - C I	BS1452 GRADE 220	BS EN1561-EN-GJL-250
4	GASKET	EPDM	BS2494 TYPE W	BS EN681-1 (TYPE WA 70)
5	SCREW PLUG	COPPER ALLOY		
6	BOLT	STAINLESS STEEL - 304	BS970 GRADE 304	BS EN10088-1.4301

INSTALLATION / PERIODIC OVERHAUL

1. Arrange the piping so that the cap of the strainer faces downward. If it faces upward due to unavoidable conditions of arrangement, attach a blow valve so that the scale which accumulates at the bottom of the rising pipe can be discharge.
2. Provide a space under the strainer so that the screen can be taken out.
3. Make sure the strainer inside is not applied with pressure, remove the cap and take out the screen. Wash inside using compressed air blow and cleaner.
4. Clean the O ring contacting surface of body and cap, fit the screen to the cap and fix it to the body.

For Waterworks/Drainage/Sewage Purpose & General Use