

**Cover**  
Cast Iron

**Gasket**  
Graphite Steel Compound Graphite gasket, good performance and long service life.

**Body**  
Cast Iron

**Bolt & Nut**  
galvanized

**plug**  
galvanized plug

**Screen**  
SS304 Perforated and Mesh screen are all available.

**Screen**



**Woven Wire Type**

Woven wire mesh screens are available in both lined and unlined types. Most fine mesh screens require a perforated screen to support a fine wire cloth. This design is very widely used in higher pressures, higher velocity flow and large size Y strainer. Unsupported mesh screens are available for lower pressures.



**Perforated type**

Hole sizes range from 0.20" to 1/2" as standard.

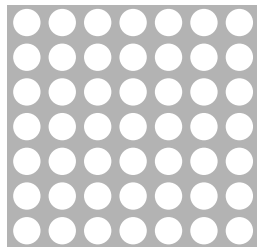
**Thickness**

Standard gauge of screen material ranges from 22 to 11 depending on hole size. Special thicknesses for drilled holes are available. Perforated metal should be no smaller than 1/2 the metal thickness. Perforated screens are easy to clean. Less susceptible to clogging than fine mesh designs.



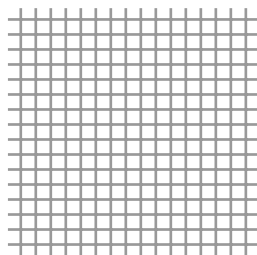
An extremely important consideration in the selection of strainer is the size of the perforation or mesh used in the making of the screen. And strainers should provide maximum size of solids that can be passed. The following selection guide charts will help in the selection of the appropriate screen. Screen opening should be approximately 2/3 to 1/2 of maximum allowable solids size. Standard perforated 304 stainless steel are spot welded along the seam for maximum strength. Different size perforations and meshes are available in stainless steel to meet specific media requirements. If the media is not indicated, screens for water will be supplied.

**◆ Perforated Sheet Metal Size**



Perf.Hole		Opening	Perf.Hole		Opening
mm	in	%	mm	in	%
1.55	0.062(1/16)	37	1.14	0.045(3/64)	36
3	0.125(1/8)	40	0.80	0.031(1/32)	28

**◆ Wire Mesh Size**



Mesh	Dia.of Wire	Width of Opening	Opening
	mm	mm	%
21	0.4	0.8	46
12	0.87	1.2	42
10	1	1.6	40

Screen Options :



A Y-strainer screen can be cleaned by removing the plug in the bolted cover allowing the strainer to drain the loose material inside the screen. If a blow-off valve is connected to the strainer it can be opened to achieve the same result as the above. The Y-strainer screen can also be cleaned by removing the bushing, cap or cover to access the screen element. Care should be taken in cleaning screens. After removing a screen, it should be soaked in a cleaning solution or cleaned by using a brush. Do not allow trapped material in the screen to harden, as it will be difficult to remove. A regular cleaning schedule is recommended to avoid screens from becoming clogged.

**Fig. S103F**

controls flow freely



**Features:**

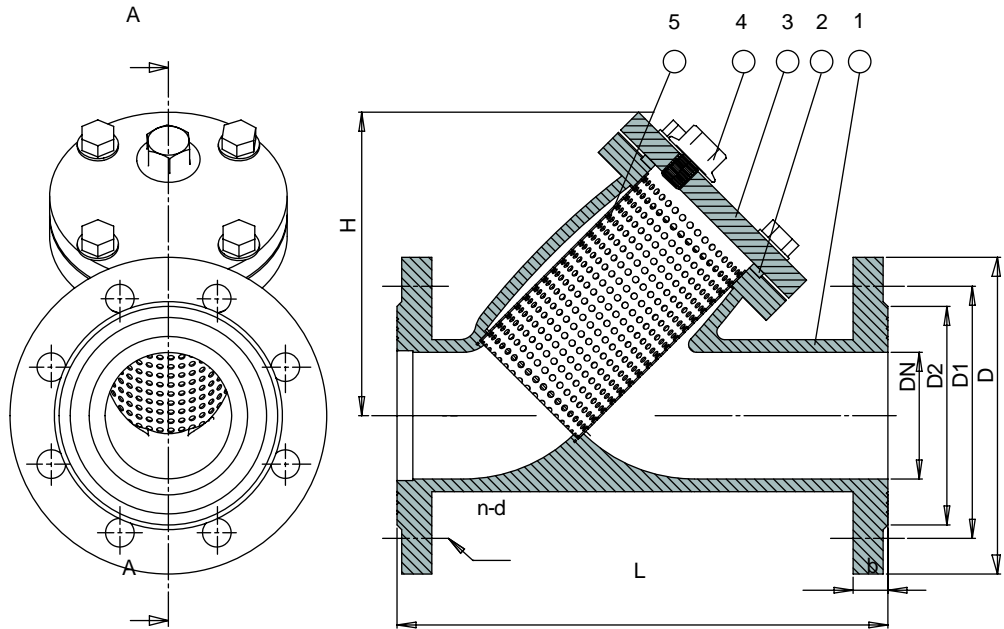
- With one machined seat & blow-off, cover & gasket design, Hiwa Y strainer is easy to renew the screen
- Low pressure drop streamlined design
- May be installed in vertical or horizontal pipeline

BASIC DESIGN STANDARDS	
Flanges	BS 4504 PN 16

PRESSURE TEST			
DN	Pressure Rating (PN)	Hydro-Test Pressure(Mpa)	
		Body	Seat
40-400	10	1.5	1.1
40-400	16	2.4	1.76

◦ Specific Characteristic according to Customer's request

**BS Y Strainer**



◦ **Applications:** strainers are suitable for use in a variety of fluid systems such as air, chemical ,gas, oil or water lines etc. for the protection of valves, pumps, compressors and other equipment.

◦ **DIMENTIONS(mm)**

Size	L	D	D1	D2	b	n-d	H	W.T(kg)
DN40	200	150	110	88	18	4-19	135	6.5
DN50	225	165	125	102	20	4-19	150	9.6
DN65	273	185	145	122	20	4-19	160	12.3
DN80	292	200	160	138	22	8-19	200	16.9
DN100	352	220	180	158	24	8-19	240	28.1
DN125	416	250	210	188	26	8-19	290	40
DN150	470	285	240	212	26	8-23	330	48.9
DN200	543	340	295	268	30	12-23	380	82.3
DN250	660	405	355	320	32	12-28	480	127.3
DN300	762	460	410	378	32	12-28	550	200
DN350	946	520	470	438	36	16-28	680	290
DN400	1079	580	525	490	38	16-31	780	385

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