

Y-Type Strainer Valve

Class 150 Flanged End Connections
Sure Flow Class 150 ASME Flanged strainers are available in Carbon Steel and Stainless Steel. A Machined, tapered seat ensures a perfect fit for the removable, stainless steel screen. Size 2" and larger come complete with flanged blow-off cover, gasket & plug. 1 1/2" and smaller come complete with solid threaded cover and gasket. May be installed in vertical or horizontal pipelines with blow-off connection at the lower end of the screen.

Construction

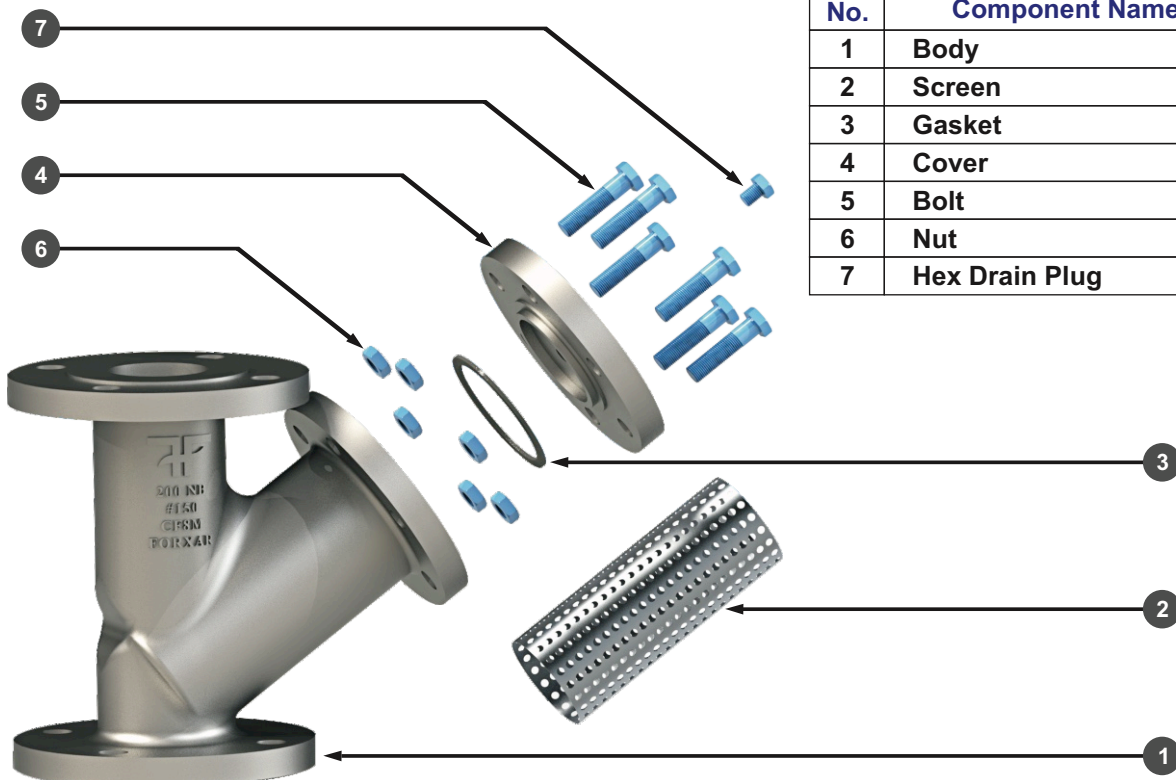
Carbon Steel : Body, Cover - ASTM A216 Grade WCB
Stainless Steel : Body, Cover - ASTM A351 Grade CF8M
All screens are Stainless Steel



Standard Screens		
Size	Standard	Opening
1/2" - 1 1/2"	1/32" perf	0.032"
2" - 3"	3/64" perf	0.045"
4" - 24"	1/8" perf	0.125"

Operating Pressures and Temperatures			
Type	Size	psi @ Temp Steam	psi @ Temp WOG
YF 150	1/2"- 24"	150 @ 358 °F	285 @ 100 °F
YF150SS	1/2"- 12"	150 @ 358 °F	275 @ 100 °F

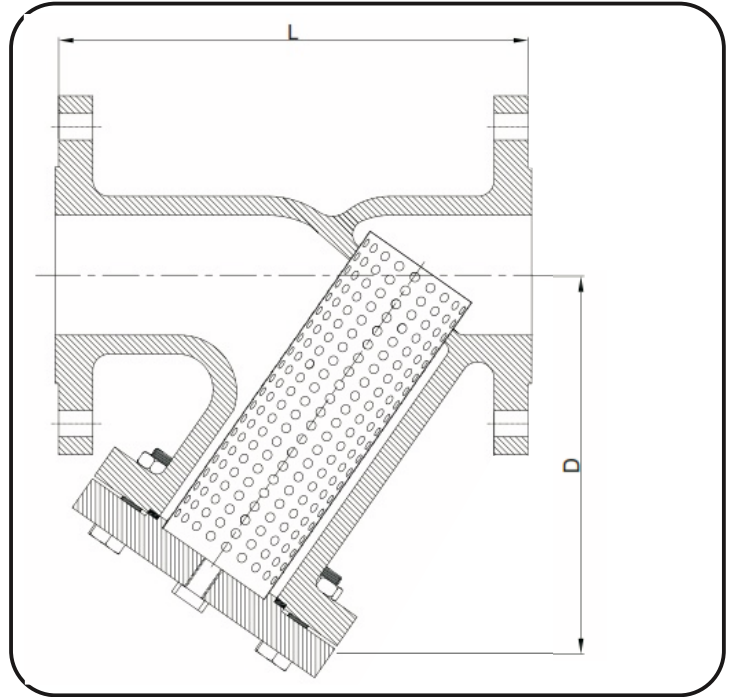
Y Type Strainer Exploded View



Component Name & Quantity

No.	Component Name	Qty.
1	Body	1
2	Screen	1
3	Gasket	1
4	Cover	1
5	Bolt	6
6	Nut	6
7	Hex Drain Plug	1

Y-Type Strainer Valve Dimension



Flange End Y Type Strainer Valve

Dimension

Size		L	D	Blow-Off NPT	Shipping Weight (LBS)
Inches	Prefix				
1/2	50	6	2 9/16	1/4	9
3/4	75	7 1/2	3	1/4	11
1	100	7 3/8	3 3/8	1/4	15
1 1/2	150	7 1/4	4 3/4	1/2	18
2	200	8 5/8	4 7/8	1/2	30
2 1/2	250	10 1/4	7 1/2	3/4	44
3	300	11 5/8	7 3/4	1	60
4	400	14 1/4	9 1/8	1 1/2	96
5	500	17 5/8	11	2	150
6	600	18 5/8	13 3/8	2	174
8	800	24 3/8	14 5/8	2	264
10	1000	26	17 1/4	2	414
12	1200	30 3/8	21	2	615
14	1400	36	27 3/16	2	720
16	1600	46 9/16	30 1/4	2	956
18	1800	46	35 11/16	2	1130
20	2000	49 1/2	40	2	1500
24	2400	58 3/8	44 1/2	2	1990

- Must specify if for steam service
 - Sizes 14" and larger are available in cast steel only.
- Manufacturer reserves the right to modify dimensions, materials, or design. consult factory for certification.

Ordering Information of Gate, Globe & Check Valves

As Per Our Design

1) Type of Valves

Types	Nomen.
Globe Valve	GL
Gate Valve	GT
Check Valve	CH
Y-Type Strainer	YS

2) Materials

Type Of Materials	Nomen.
S S310	S1
SS304 / ASTM A182 Gr. F304	S4
SS304 L	S4L
SS316	S6
SS316L	S6L
SS317	S7
SS321	S21
SS446	S46
Monal 400	M4
Incoloy 625	I6
Incoloy 825	I8
Carbon Steel	CS
A105	A1
Alloy 20	A20
ASTM A182 F51 (Duplex F51)	F51
ASTM A182 F60 (Duplex F60)	F60
ASTM A182 F53 (Super Duplex F53)	F53
ASTM A312 TP 304L	P4L
ASTM A182 F11	F11
ASTM A182 Gr. F5	F5
ASTM A312 TP 304	TP4
Hastelloy C276	HC2
A350 Gr. LF1/ LF2/ LF3	LF2
SS410	S41
ASTM A240 TP 316L	P6L
Inconel-600	I60
ASTM A234 Gr. WPB	WPB
Mild Steel	MS
Nickel Alloy	NA
Galvanized	GLV

3) Sizes

Size	Nomen.	Size	Nomen.
1/8"	6	8"	200
1/4"	8	10"	250
3/8"	10	12"	300
1/2"	15	14"	350
3/4"	20	16"	400
1"	25	18"	450
1 1/4"	32	20"	500
1 1/2"	40	22"	550
2"	50	24"	600
2 1/2"	65	26"	650
3"	80	28"	700
4"	100	30"	750
5"	125	32"	800
6"	150	36"	900

4) Type Of Bore

Type	Nomen.
Full Bore	FB
Reduced Bore	RB

5) Type of End Connections.

Type	Nomen.
Flange End	FL
Butt Weld End	BW
Socket Weld End	SW
Tounge & Groove	TG
Ring Type Joint	RTJ

6) Type Of Class

Types	Nomen.
Class 150	#150
Class 300	#300
Class 400	#400
Class 600	#600
Class 900	#900
Class 1500	#1500
Class 2500	#2500
Class 4500	#4500
Sch 10	S10
Sch 20	S20
Sch 40	S40
Sch 80	S80
Sch 160	S160
Sch XXS	SXXS
Table F	F
Table E	E
Table D	D

7) Special Requirement

Types	Nomen.
IBR	IBR
Fire Safe	FS



Ex. GATE VALVE, 100NB, FLANGE END
ASTM 182 A SS 316 FULL BORE #300, WITH IBR = GT-S6-100FB-FL-#300-IBR