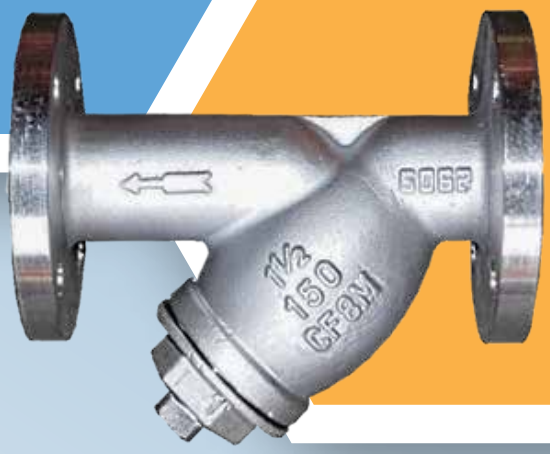
RFS HYDRAULICS
CREATING OPPORTUNITIES



Y-STRAINERS

ANSI 150# SS316 Y-Strainer

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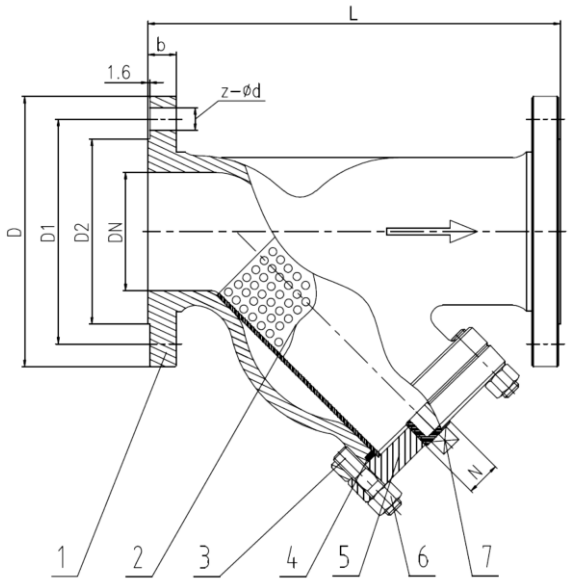
ANSI 150# SS316 Flange End Y-Strainers

Features

- Size: 1 1/2" – 4" (DN40 – DN100)
- ANSI 150# Flange Connection
- Working Pressure: 150#
- Temperature range: -20°C to 230°C
- Screen: 1.0mm (Mesh Size 40)
- Applicable Medium: General oil, gas & water applications
- Used to collect containment and particles

Material List

No.	Part Name	Material
1	Body	SS316, CF8M
2	Strainer Screen	SS316 1mm Mesh
3	Bolt	SS304
4	Gasket	PTFE
5	Bonnet	SS316, CF8M
6	Nut	SS304
7	Bolt	SS304



Technical Specifications

1. Basic design and manufacture according to ANSI B16.34.
2. Flange connection per ASME B16.5.
3. Inspection and tested according to API 598.

Main Technical Parameter			
Normal pressure		150	LB
Test pressure	Shell test pressure	/	MPa
	Tightness test	3.0	
	Gas-Tightness test	/	
Max working temperature		-20 to 230	°C
Applicable Medium: General oil, gas & water			

Ordering Information

VL	-	S	-	YS	-	F	-	150	-	24
I		II		III		IV		V		VI

I	**Type of Item**
VL	Low Pressure Valves

II	**Material Grade**		
S	SS316, CF8M	CI	Cast Iron
FS	Forged Steel	CS	Cast Steel
B	Brass		

III	**Item**		
GA	Gate Valve	B1	1 PC Ball Valve
GL	Globe Valve	B2	2 PC Ball Valve
YS	Y-Strainer	B3	3 PC Ball Valve
SC	Swing Check Valve	BL	3 Way Ball Valve L Port
VC	Vertical Check Valve	BT	3 Way Ball Valve T Port
WC	Wafer Check Valve	BMF	Male x Female Mini Ball Valve
DD	Dual Disk	BU	Butterfly Valve

IV	**Connection Type**		
SW	S/W	G	BSPP
BW	B/W	N	NPT
R	BSPT	F	Flange End
W	Wafer	L	Lug

V	**Pressure**		
200	200 PSI	2000	2000 PSI
300	300 PSI	150	ANSI 150# Flange Standard
600	600 PSI	10K	JIS 10K Flange Standard
800	800 PSI	PN16	PN 16 Flange Standard
1000	1000 PSI		

For Inch OD & Inch NB Sizes

VI **Size**

Size	1/8”	1/4”	5/16”	3/8”	1/2”	5/8”	3/4”	1”
Code	02	04	05	06	08	10	12	16
Size	1 1/4”	1 1/2”	2”	2 1/2”	3”	4”	5”	6”
Code	20	24	32	40	48	64	80	96

VII	**Coating**
(None)	No Additional Coating
NI	Nickel Plating

Dimension List

NPS	Connection	Impa Code	Part No	D	D1	D2	L	b	N	Weight (Kg)
1 1/2"	Flange-End	-	VL-S-YS-F-150-24	127	89	64	200	13	1/2"	4.60
2”	Flange-End	-	VL-S-YS-F-150-32	152	120.5	92	220	16	1/2"	6.30
2 1/2"	Flange-End	-	VL-S-YS-F-150-40	178	139.5	105	250	18	1/2"	10.50
3”	Flange-End	-	VL-S-YS-F-150-48	190	152.5	127	280	19	3/4”	14.50
4”	Flange-End	-	VL-S-YS-F-150-64	229	190.5	157	300	24	3/4”	24.00

Part Number Reference

Impa Code	Part No	Description
-	VL-S-YS-F-150-24	1 1/2" 150# SS316 FLANGE END Y-STRAINER MESH SIZE 1.0MM, BOLTED COVER WITH PLUG
-	VL-S-YS-F-150-32	2" 150# SS316 FLANGE END Y-STRAINER MESH SIZE 1.0MM, BOLTED COVER WITH PLUG
-	VL-S-YS-F-150-40	2 1/2" 150# SS316 FLANGE END Y-STRAINER MESH SIZE 1.0MM, BOLTED COVER WITH PLUG
-	VL-S-YS-F-150-48	3" 150# SS316 FLANGE END Y-STRAINER MESH SIZE 1.0MM, BOLTED COVER WITH PLUG
-	VL-S-YS-F-150-64	4" 150# SS316 FLANGE END Y-STRAINER MESH SIZE 1.0MM, BOLTED COVER WITH PLUG

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