

ANSI 150#

Stainless Steel

SWING CHECK VALVES

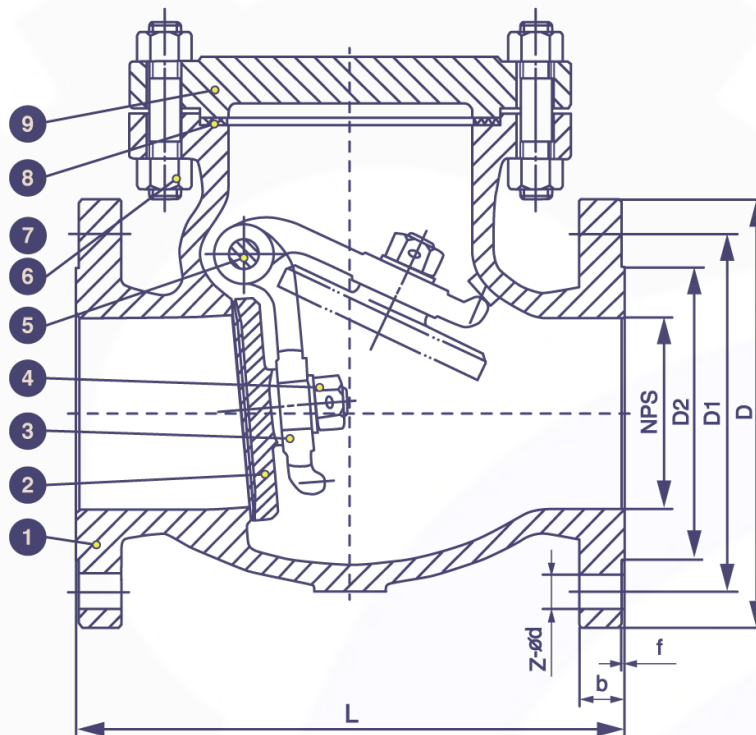


Features

- Swing Type
- ANSI 150# Flange Connection
- Size: 1/2" - 4" (DN15 - DN100)
- Working Pressure: 150#
- Material: SS316, CF8M
- Applicable Medium: General oil, gas & water applications
- Temperature Range: -29°C to 150°C



ANSI 150# SS316 Flange End
Swing Check Valves



Technical Specifications

1. Basic design and manufacture according to BS1868 & ASME B16.34
2. Structure length according to ASME B16.10
3. Flange ends complied with ASME B16.5
4. Inspection and tested according to API 598

Performance Specification Sheet			
Nominal pressure		150 #	
Test pressure	Shell test	3.0	MPa
	Seal test	2.2	
	Air seal test	0.4 - 0.7	
Applicable Medium: General oil, gas & water			

Ordering Information

VL	-	S	-	SC	-	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

IV	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		

Material List

No.	Part Name	Material
1	Body	CF8M/SS316
2	Disc	CF8M/SS316
3	Arm	CF8M/SS316
4	Nut	SS316
5	Hinge Pin	SS316
6	Bolt	SS316
7	Nut	SS316
8	Gasket	PTFE
9	Bonnet	CF8M/SS316

Dimension List

Size	Connection	Impa Code	Part No	NPS	D	D1	D2	L	Z-Ød	b	f	Weight (Kg)
1/2"	Flange-end	-	VL-S-SC-F-150-08	15	89	60.5	35	152	4-Ø19	11.1	2	-
3/4"	Flange-end	-	VL-S-SC-F-150-12	20	98.5	70	43	178	4-Ø19	11.1	2	-
1"	Flange-end	-	VL-S-SC-F-150-16	25	108	79.2	51	127	4-Ø19	11.1	2	-
1 1/2"	Flange-end	-	VL-S-SC-F-150-24	38	127	98.6	73	165	4-Ø19	14.3	2	7.00
2"	Flange-end	-	VL-S-SC-F-150-32	50	152	120.7	92	203	4-Ø19	15.9	2	11.00
2 1/2"	Flange-end	-	VL-S-SC-F-150-40	65	178	139.7	105	216	4-Ø19	17.5	2	12.30
3"	Flange-end	-	VL-S-SC-F-150-48	80	190	152.4	127	241	4-Ø19	19.1	2	26.04
4"	Flange-end	-	VL-S-SC-F-150-64	100	229	190.5	157	292	8-Ø19	23.9	2	36.00

Part Number Reference

Impa Code	Part No	Description
-	VL-S-SC-F-150-08	1/2" 150# SS316 FLANGE END SWING CHECK VALVE
-	VL-S-SC-F-150-12	3/4" 150# SS316 FLANGE END SWING CHECK VALVE
-	VL-S-SC-F-150-16	1" 150# SS316 FLANGE END SWING CHECK VALVE
-	VL-S-SC-F-150-24	1 1/2" 150# SS316 FLANGE END SWING CHECK VALVE
-	VL-S-SC-F-150-32	2" 150# SS316 FLANGE END SWING CHECK VALVE
-	VL-S-SC-F-150-40	2 1/2" 150# SS316 FLANGE END SWING CHECK VALVE
-	VL-S-SC-F-150-48	3" 150# SS316 FLANGE END SWING CHECK VALVE
-	VL-S-SC-F-150-64	4" 150# SS316 FLANGE END SWING CHECK VALVE



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