

ANSI 150# Cast Steel

Flange End **GLOBE VALVES**



Features

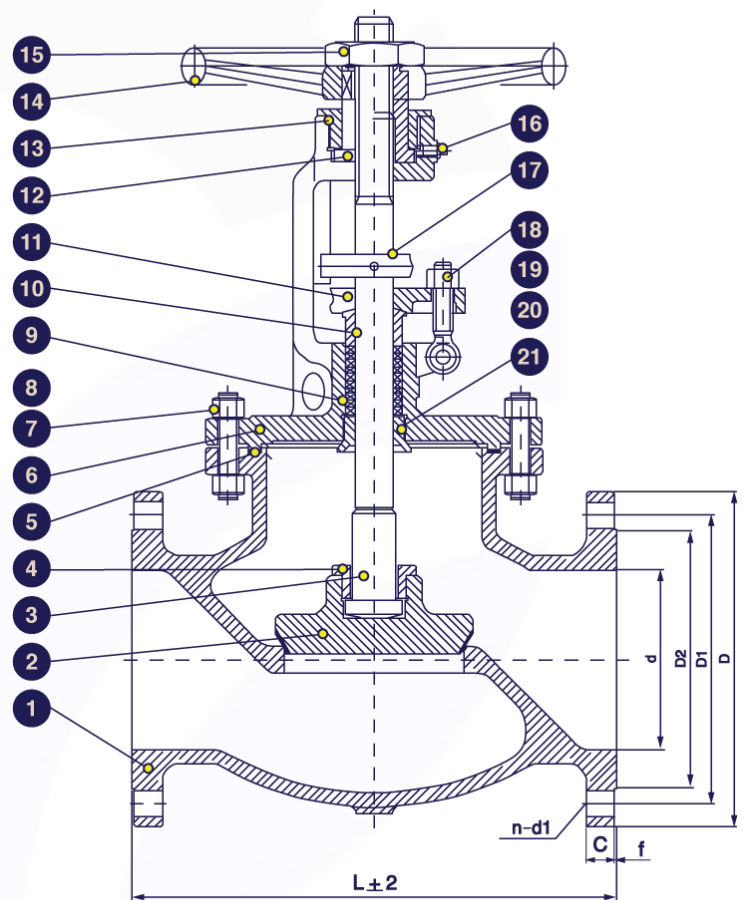
- ANSI 150# Flange Connection
- Size: 2" – 4" (DN50 – DN100)
- Valve Body Material: Cast Steel
- Working Pressure: 150#
- Applicable Medium: General oil, gas and water applications
- Temperature Range: $\leq 425^{\circ}\text{C}$



ANSI 150# Cast Steel
Flange End Globe Valves

Material List

No.	Part Name	Material
1	Body	ASTM A216 WCB
2	Disc	ASTM A105 + 13%Cr
3	Stem	ASTM A182 F6a
4	Gland	AISI 1035
5	Gasket	304 + Graphite
6	Bonnet	ASTM A216 WCB
7	Bolt	ASTM A193 B7
8	Nut	ASTM A194 2H
9	Packing	Flexible Graphite
10	Gland	ASTM A276 410
11	Gland Flange	ASTM A216 WCB
12	Stem Nut	D2
13	Retaining Nut	AISI 1035
14	Handwheel	ASTM A216 WCB
15	Lock Nut	AISI 1020
16	Nipple	Assembly
17	Plate	ASTM A216 WCB
18	Eye Bolt	AISI 1035
19	Pin	Carbon Steel
20	Nut	ASTM A194 2H
21	Back Seat	ASTM A276 410



Technical Specifications

1. Basic design and manufacture according to BS 1873
2. Face to face dimension: ASME B16.10
3. Flange End: ASME B16.5
4. Inspection and test: API 598

Main Technical Parameter			
Normal pressure		150 PSI	
Test pressure	Shell test	3.0	MPa
	Back Seal test	2.2	
	Seal test	2.2	
	Gas test	0.6	
Max working temperature		$\leq 425^{\circ}\text{C}$	
Applicable Medium: General oil, gas & water			

Features

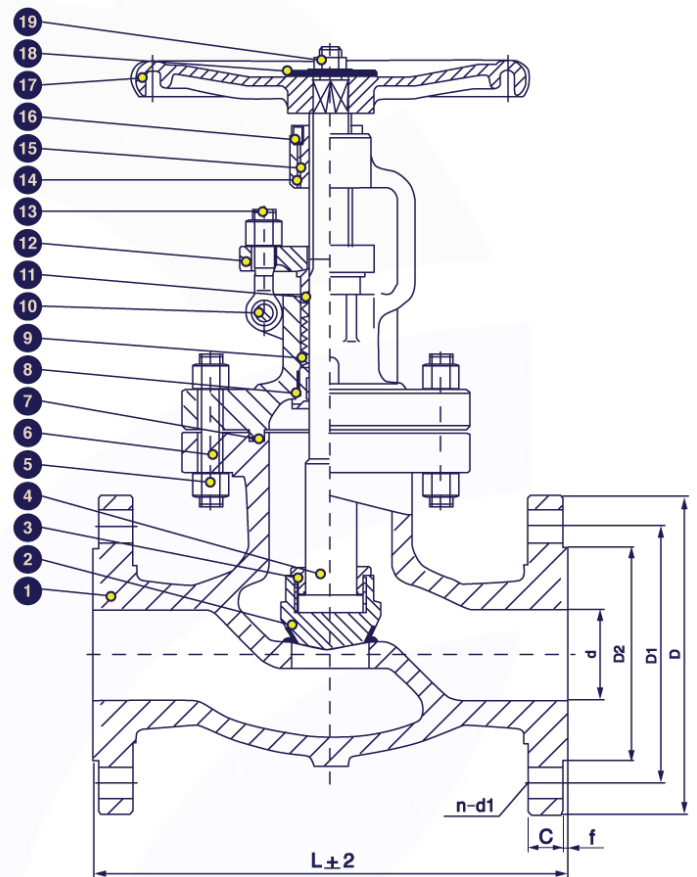
- ANSI 150# Flange Connection
- Size: 2 1/2" (DN65)
- Valve Body Material: Cast Steel
- Working Pressure: 150#
- Applicable Medium: General oil, gas and water applications
- Temperature Range: $\leq 425^{\circ}\text{C}$



ANSI 150# Cast Steel
Flange End Globe Valves

Material List

No.	Part Name	Material
1	Body	ASTM A216 WCB +13%Cr
2	Disc	ASTM A105 + 13%Cr
3	Grand	AISI 1035
4	Stem	ASTM A182 F6a
5	Bolt	ASTM A193 B7
6	Nut	ASTM A194 2H
7	Gasket	304 + Graphite
8	Backseat	ASTM A276 410
9	Packing	Graphite
10	Pin	Carbon Steel
11	Grand	ASTM A276 410
12	Packing Grand	ASTM A216 WCB
13	Eye Bolt	AISI 1035
14	Bonnet	ASTM A216 WCB
15	Stem Nut	D2
16	Screw	AISI 1025
17	Handwheel	ASTM A216 WCB
18	Gasket	Carbon Steel
19	Nut	ASTM A194 2H



Technical Specifications

1. Basic design and manufacture according to ASME B16.4 & BS 1873
2. Face to face dimension: ASME B16.10
3. Flange End: ASME B16.5
4. Inspection and test: API 598

Main Technical Parameter			
Normal pressure		150 PSI	
Test pressure	Shell test	3.0	MPa
	Back Seal test	2.2	
	Seal test	2.2	
	Gas test	0.6	
Max working temperature		$\leq 425^{\circ}\text{C}$	
Applicable Medium: General oil, gas & water			

Ordering Information

VL	-	CS	-	GL	-	F	-	150	-	32
I		II		III		IV		V		VI

I	Type of Item		
VL	Low Pressure Valves		

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

DN50 – DN100

NPS	Part No	d	L	D	D1	D2	n – d1	C	f	Weight (Kg)
2"	VL-CS-GL-F-150-32	51	203	152	120.7	92.1	4-Ø19	17.5	2	17.50
3"	VL-CS-GL-F-150-48	76	241	190	152.4	127	4-Ø19	22.3	2	30.00
4"	VL-CS-GL-F-150-64	102	292	230	190.5	157	8-Ø19	22.3	2	43.50

DN65

NPS	Part No	d	L	D	D1	D2	n – d1	C	f	Weight (Kg)
2 1/2"	VL-CS-GL-F-150-40	65	216	180	139.7	104.8	4-Ø19	15.9	2	22.50

Part Number Reference

Part No	Description
VL-CS-GL-F-150-32	2" 150# CS FLANGE END GLOBE VALVE RF, RISING STEM, SS410 STEM
VL-CS-GL-F-150-40	2 1/2" 150# CS FLANGE END GLOBE VALVE RF, RISING STEM, SS410 STEM
VL-CS-GL-F-150-48	3" 150# CS FLANGE END GLOBE VALVE RF, RISING STEM, SS410 STEM
VL-CS-GL-F-150-64	4" 150# CS FLANGE END GLOBE VALVE RF, RISING STEM, SS410 STEM



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