



Welded End

Forged Steel GLOBE VALVES



Features

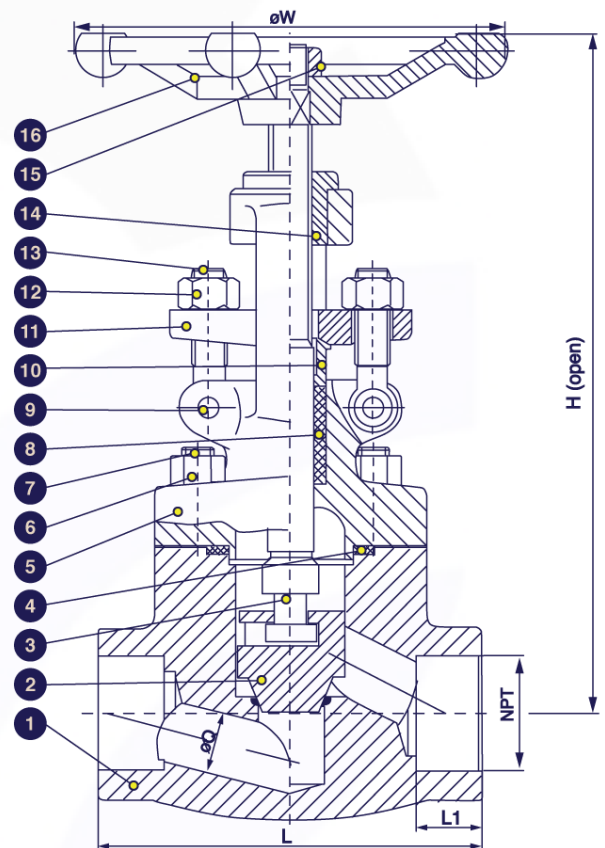
- Connection End: Socket Weld
- Size: 1/2" – 2" (DN15 – DN50)
- Valve Body Material: A105
- Working Pressure: 800 PSI
- Applicable Medium: General oil, gas and water applications
- Temperature Range: -29°C to 425°C



Socket Weld
A105 Globe Valves

Material List

No.	Part Name	Material
1	Body + Seat	ASTM A105 + STL
2	Disc	ASTM A276 420
3	Stem	ASTM A182 F6A
4	Gasket	SS304 + Graphite
5	Bonnet	ASTM A105
6	Bonnet Nut	ASTM A194 2H
7	Bonnet Bolt	ASTM A193 B7
8	Packing	Graphite
9	Pin	ASTM A307-A
10	Gland	ASTM A276 410
11	Gland Flange	ASTM A105
12	Gland Nut	ASTM A194 2H
13	Gland Bolt	ASTM A193 B7
14	Yoke Sleeve	ASTM A276 410
15	Lock But	Carbon Steel
16	Handwheel	ASTM A197



Technical Specifications

1. Basic design and manufacture according to API602/BS5352
2. Inspection and test for according to API 598
3. Socket weld dimension standard according to ASME B16.11

Main Technical Parameter			
Nominal Pressure		800 PSI	
Test Pressure	Shell Test	19.5	MPa
	Seal Test	14.3	
	Gas Test	0.6	
Max Working Temperature		-29°C to 425°C	
Applicable Medium: General oil, gas & water			

Ordering Information

VL	-	FS	-	GL	-	SW	-	800	-	08
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	ØQ	ØD	H	W	L	L1	Weight (Kg)
1/2"	10	21.8	160	100	79	9.6	2.30
3/4"	13	27.1	160	100	92	12.7	2.46
1"	18	33.8	200	125	111	12.7	4.10
1 1/4"	23	42.6	215	160	120	12.7	5.76
1 1/2"	30	48.7	240	160	152	12.7	8.06
2"	37	61.2	275	180	172	12.7	12.23

Part Number Reference

Part No	Description
VL-FS-GL-SW-800-08	1/2" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC
VL-FS-GL-SW-800-12	3/4" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC
VL-FS-GL-SW-800-16	1" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC
VL-FS-GL-SW-800-20	1 1/4" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC
VL-FS-GL-SW-800-24	1 1/2" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC
VL-FS-GL-SW-800-32	2" S/W GLOBE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT & DISC



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