RFS HYDRAULICS
CREATING OPPORTUNITIES

GLOBE VALVES

Welded End Forged Steel Globe Valve

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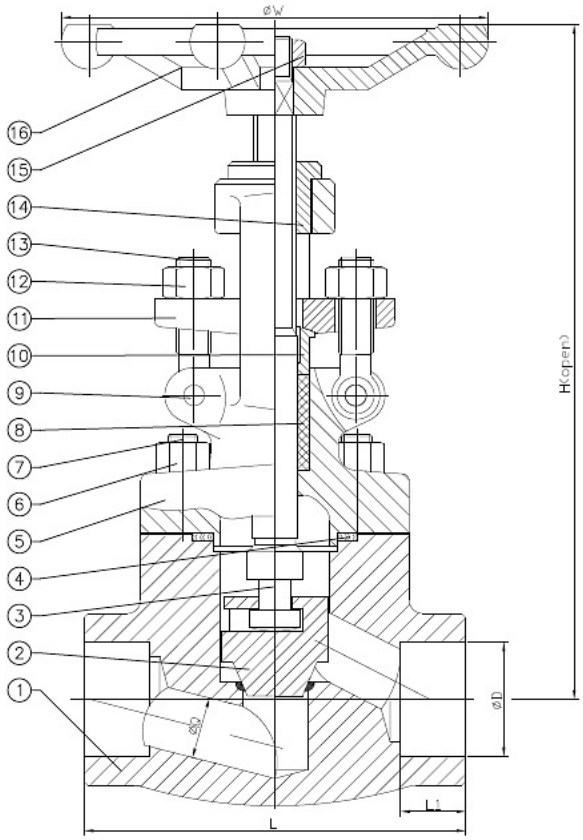
WELDED END GLOBE VALVE A105

Feature:

- Connection End: Socket-weld
- Size: 1/2" – 2”
- Valve Body Material: A105
- Working Pressure: 800 PSI
- Applicable Medium: General oil , gas and water applications
- Temperature range: -29°C to 425°C

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 toASME B16.11

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

Ordering Information

VL	-	S	-	B2	-	G	-	1000	-	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	Flanged End
W	Wafer	L	Lug

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

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
1/2"	10	21.8	160	100	79	9.6
3/4"	13	27.1	160	100	92	12.7
1"	18	33.8	200	125	111	12.7
1 1/4"	23	42.6	215	160	120	12.7
1 1/2"	30	48.7	240	160	152	12.7
2"	37	61.2	275	180	172	12.7

Part Number Reference:

Part No	Item Description
VL-FS-GL-SW-800-08	1/2" S/W GLOBE VALVE 800 PSI A105OS&Y RISING STEM,STELLITE SEAT & DISC
VL-FS-GL-SW-800-12	3/4"S/W GLOBE VALVE 800 PSI A105OS&Y RISING STEM,STELLITE SEAT & DISC
VL-FS-GL-SW-800-16	1"S/W GLOBE VALVE 800 PSI A105OS&Y RISING STEM,STELLITE SEAT & DISC
VL-FS-GL-SW-800-20	1 1/4"S/W GLOBE VALVE 800 PSI A105OS&Y RISING STEM,STELLITE SEAT & DISC
VL-FS-GL-SW-800-24	1 1/2"S/W GLOBE VALVE 800 PSI A105OS&Y RISING STEM,STELLITE SEAT & DISC
VL-FS-GL-SW-800-32	2"S/W GLOBE VALVE 800 PSI A105OS&Y RISING STEM,STELLITE SEAT & DISC

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