

Forged Steel Socket Weld Gate Valves 800 PSI A105

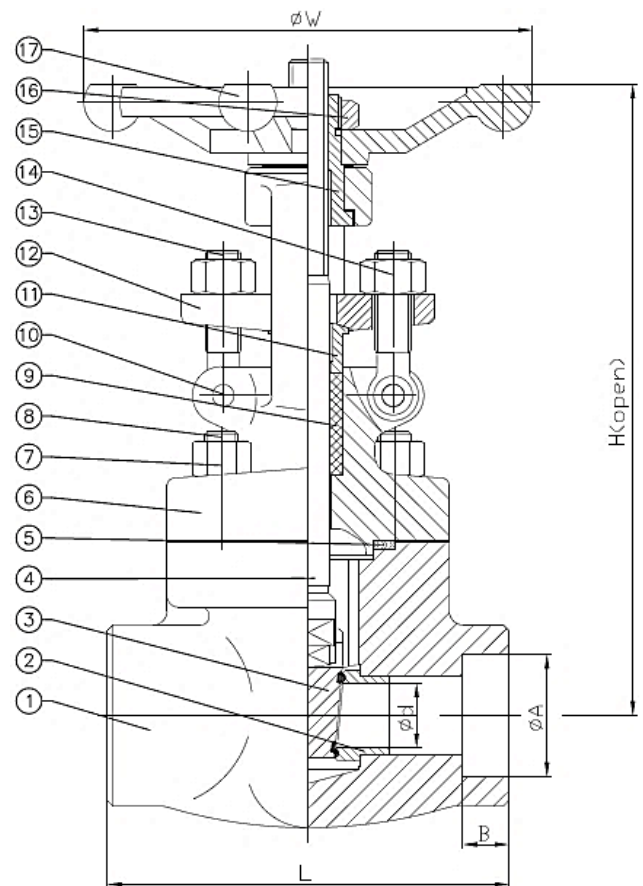
Features

- 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



Material List

No.	Part Name	Material
1	Body	ASTM A105
2	Seat	ASTM A276 410 + STL
3	Wedge	ASTM A276 420
4	Stem	ASTM A182 F6A
5	Gasket	SS304 + Graphite
6	Bonnet	ASTM A105
7	Bonnet Nut	ASTM A194 2H
8	Bonnet Bolt	ASTM A193 B7
9	Packing	Graphite
10	Pin	ASTM A307-A
11	Gland	ASTM A246 410
12	Gland Flange	ASTM A105
13	Gland Bolt	ASTM A193 B7
14	Gland Nut	ASTM A194 2H
15	Yoke Sleeve	ASTM A276 410
16	Lock Nut	Carbon Steel
17	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 welded dimension standard according to ASME B16.11

Main Technical Parameter			
Nominal Pressure		800 PSI	
Test Pressure	Shell Test	21.0	MPa
	Seal Test	15.4	
	Gas Test	0.6	
Max Working Temperature		-29°C to 425°C	
Applicable Medium: General oil, gas & water			

Ordering Information

VL - FS - GA - 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	Ød	ØA	H	W	L	B	Weight (Kg)
1/2"	10.3	21.8	145	100	79	9.6	1.89
3/4"	13.5	27.1	145	100	92	12.7	2.42
1"	18	33.8	170	125	111	12.7	4.00
1 1/4"	23	42.6	190	160	120	12.7	5.54
1 1/2"	29	48.7	215	160	120	12.7	6.78
2"	36	61.2	240	180	140	12.7	10.35

Part Number Reference

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