

## Forged Steel Threaded End Gate Valves 800 PSI A105

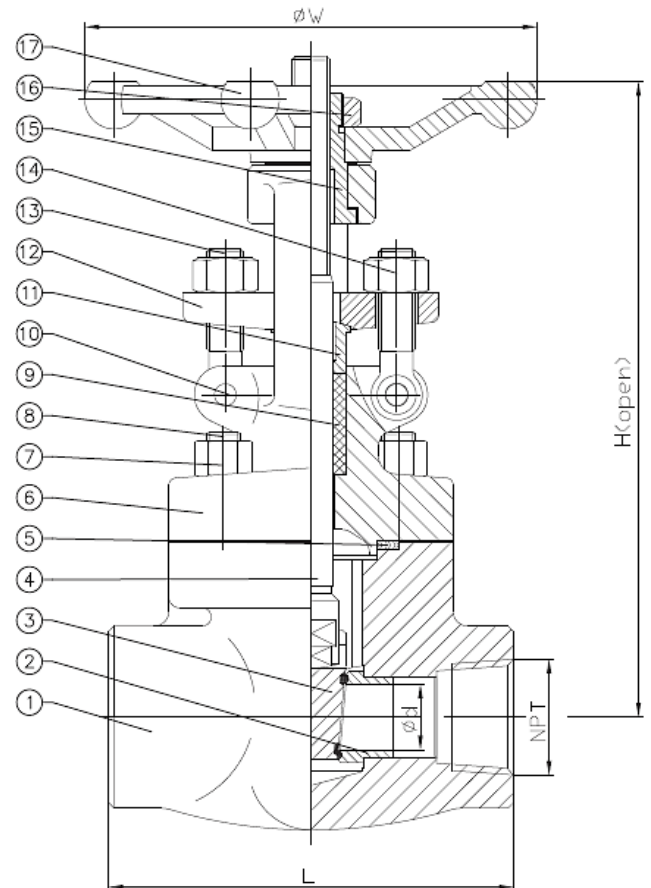
### Features

- Threaded End: NPT
- 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 F182 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 A276 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. Connection screw for the valve according to ASME B1.20.1

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 - N - 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	L	H	W	Weight (kg)
1/2"	10.3	79	145	100	2.170
3/4"	13.5	92	145	100	2.390
1"	18	111	170	125	4.030
1 1/4"	23	120	190	160	5.480
1 1/2"	29	120	215	160	6.760
2"	36	140	240	180	10.328

## Part Number Reference

Part No	Description
VL-FS-GA-N-800-08	1/2"NPT GATE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT
VL-FS-GA-N-800-12	3/4"NPT GATE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT
VL-FS-GA-N-800-16	1"NPT GATE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT
VL-FS-GA-N-800-20	1 1/4"NPT GATE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT
VL-FS-GA-N-800-24	1 1/2"NPT GATE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT
VL-FS-GA-N-200-32	2"NPT GATE VALVE 800 PSI A105 OS&Y RISING STEM, STELLITE SEAT