

Threaded End 800 PSI

Forged Steel

GATE VALVES



Features

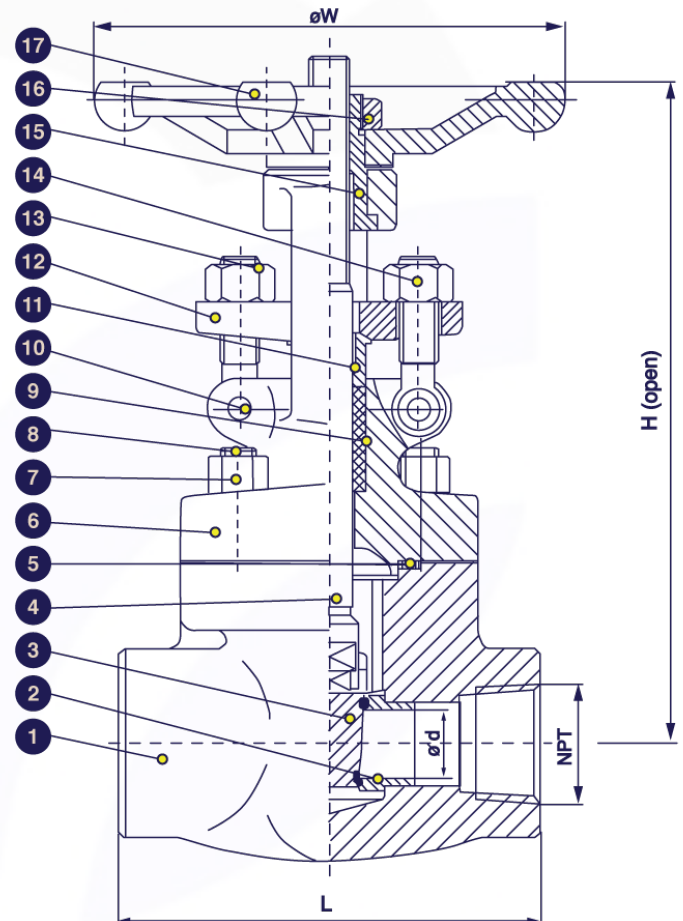
- Threaded End: NPT
- Size: 1/2" – 2" (DN15 – DN50)
- Valve Body Material: A105
- Working Pressure: 800 PSI
- Applicable Medium: General oil, gas and water applications
- Temperature Range: -29°C to 425°C



Threaded End A105
Gate Valves 800 PSI

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			

Order 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



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