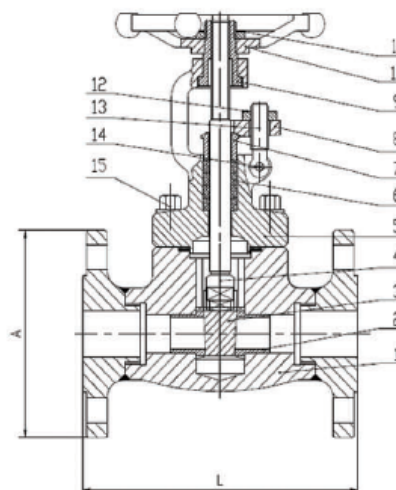


## Forged Steel Gate Valve, ANSI 150 PSI / 300 PSI

Model : FGA-F2, FGA-F5



### Specification Standards :

- Basic design : API 602
- Test standard : API 598
- Face to face dimensions : ANSI B16.10
- Flange dimension : ASME B16.5

### Features :

- Bolted bonnet
- Solid wedge disc designed
- Hand wheel operation
- Adjustable stem packing
- Pressure Rating Class : 150# / 300#
- Trim 8

### Application :

- For general and industrial services
- Applicable medium : water, steam, oil and gas

### Materials :

No.	Part	Material
1	Body	ASTM A105
2	Seat	13Cr+STL
3	Wedge	13Cr
4	Stem	F6a
5	Bonnet	A105
6	Packing	Graphite
7	Gland	A276-410
8	Gland flange	A105
9	Stem nut	A1045
10	Handwheel	A47
11	Lock nut	A194 2H
12	Nut	A194 2H
13	Bolt	A193 B7
14	Pin	A276-410
15	Bonnet bolt	A193 B7

### Test Requirements

Working Pressure	150 PSI ( 10 Bar )
Maximum Pressure	200 PSI ( 14 Bar )
Shell Test Pressure	300 PSI ( 21 Bar )
Applicable Temperature	≤ 425 °C

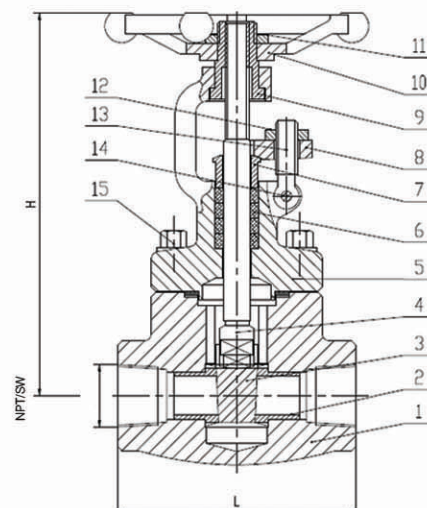
### Dimensions

mm

Size		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Class 150#	A	89	98	108	118	127	152
	L	108	117	127	140	165	178
Class 300#	A	95	118	124	133	156	165
	L	140	152	165	178	190	216

# Forged Steel Gate Valve, Class 800 / 1500

Model : FGA-N8, FGA-W8, FGA-W15



### Specification Standards :

- Basic design : API 602
- Test standard : API 598
- Screw end dimension : ANSI B1.20.1 / NPT
- Socket welding dimension : ASME B16.11

### Features :

- Bolted bonnet
- Solid wedge disc designed
- Hand wheel operation
- Adjustable stem packing
- Pressure Rating Class : 800#, Trim 8
- Pressure Rating Class : 1500#, Trim 5

### Application :

- For general and industrial services
- Applicable medium : water, steam, oil and gas

### Materials :

No.	Part	Material
1	Body	A105 / F22 A182
2	Seat	A182 F6a
3	Wedge	A182 F6a+STL
4	Stem	ASTM A182 F6a
5	Bonnet	ASTM A105/F22
6	Packing	304+graphite
7	Gland	ASTM A182 F6a
8	Gland flange	A182 F6a
9	Stem nut	A108-1045
10	Handwheel	QT400-15
11	Lock nut	A194 2H
12	Nut	A194 2H
13	Bolt	A193 B7
14	Pin	304
15	Bonnet bolt	A193 B7

### Test Requirements Class 800#

Working Pressure	800 PSI ( 55 Bar )
Shell Test Pressure	1200 PSI ( 82 Bar )
Applicable Temperature	< 425 °C

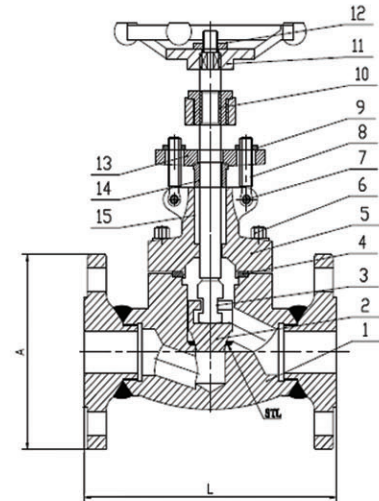
### Dimensions

mm

Size		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Class 800#	L	79	92	111	120	120	140
	H	166	169	193	230	246	283
Class 1500#	L	111	111	120	120	140	176
	H	193	230	246	283	325	334

# Forged Steel Globe Valve, ANSI 150 PSI / 300 PSI

Model : FGL-F2, FGL-F5



### Specification Standards :

- Basic design : API 602
- Test standard : API 598
- Face to face dimensions : ANSI B16.10
- Flange dimension : ASME B16.5

### Features :

- Bolted bonnet
- Plug disc designed
- Hand wheel operation
- Adjustable stem packing
- Pressure Rating Class : 150# / 300#
- Trim 8

### Application :

- For general and industrial services
- Applicable medium : water, steam, oil and gas

### Materials :

No.	Part	Material
1	Body	A105
2	Disc	13Cr
3	Stem	13Cr
4	Gasket	304+Graphite
5	Bonnet	A105
6	Bonnet bolt	A193 B7
7	Pin	A276-410
8	Bolt	A193 B7
9	Nut	A194 2H
10	Stem nut	A1045
11	Handwheel	A47
12	lock nut	A194 2H
13	Gland flange	A105
14	Gland	A276-410
15	Packing	Graphite

### Test Requirements

Working Pressure	150 PSI ( 10 Bar )
Maximum Pressure	200 PSI ( 14 Bar )
Shell Test Pressure	300 PSI ( 21 Bar )
Applicable Temperature	≤ 425 °C

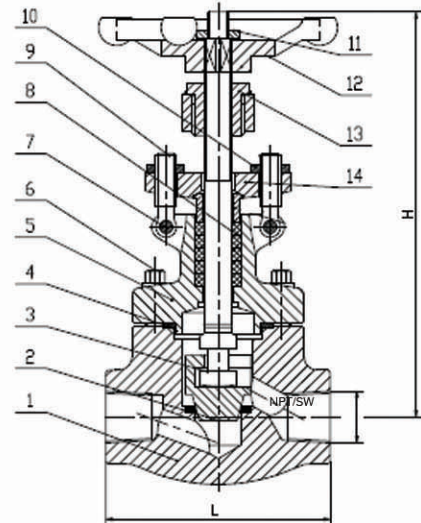
### Dimensions

mm

Size		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Class 150#	A	89	98	108	118	127	152
	L	108	117	127	138	165	203
Class 300#	A	95	118	124	133	156	165
	L	153	178	203	216	229	267

# Forged Steel Globe Valve, Class 800 / 1500

Model : FGL-N8, FGL-W8, FGL-W15



### Specification Standards :

- Basic design : API 602
- Test standard : API 598
- Screw end dimension : ANSI B1.20.1 / NPT
- Socket welding dimension : ASME B16.11

### Features :

- Bolted bonnet
- Plug disc designed
- Hand wheel operation
- Adjustable stem packing
- Pressure Rating Class : 800#, Trim 8
- Pressure Rating Class : 1500#, Trim 5

### Application :

- For general and industrial services
- Applicable medium : water, steam, oil and gas

### Materials :

No.	Part	Material
1	Body	A105 / F22 A182
2	Disc	A182 F6a+STL
3	Stem	A182 F6a
4	Gasket	304+graphite
5	Bonnet	ASTM A105/F22
6	Pin	304
7	Bolt	A193 B7
8	Nut	A194 2H
9	Stem nut	A108-1045
10	Handwheel	QT400-15
11	Nut	A194 2H
12	Gland flange	ASTM A105
13	Gland	A276 410
14	Packing	Graphite

### Test Requirements Class 800#

Working Pressure	800 PSI ( 55 Bar )
Shell Test Pressure	1200 PSI ( 82 Bar )
Applicable Temperature	< 425 °C

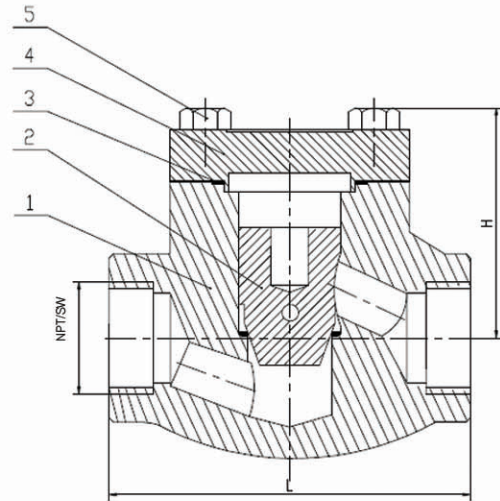
### Dimensions

mm

Size		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Class 800#	L	79	92	111	120	152	172
	H	166	175	206	228	262	300
Class 1500#	L	111	111	120	152	172	220
	H	170	193	230	246	283	325

## Forged Steel Lift Check Valve, Class 800 / 1500

Model : FLC-W8, FSLC-W15



### Specification Standards :

- Basic design : API 602
- Test standard : API 598
- Screw end dimension : ANSI B1.20.1
- Socket welding dimension : ASME B16.11

### Features :

- Bolted bonnet
- Pressure Rating Class : 800#, Trim 8
- Pressure Rating Class : 1500#, Trim 5

### Application :

- For general and industrial services
- Applicable medium : water, steam, oil and gas

### Materials :

No.	Part	Material
1	Body	ASTM A105/F22
2	Disc	A182 F6a+STL
3	Gasket	304+graphite
4	Bonnet	ASTM A105/F22
5	Bolt	ASTM A193 B7

#### Test Requirements Class 800#

Working Pressure	800 PSI ( 55 Bar )
Shell Test Pressure	1200 PSI ( 82 Bar )
Applicable Temperature	< 425 °C

#### Test Requirements Class 1500#

Working Pressure	1500 PSI ( 103 Bar )
Shell Test Pressure	2200 PSI ( 155 Bar )
Applicable Temperature	< 425 °C

### Dimensions

mm

Size		1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Class 800#	L	79	92	111	120	152	172
	H	62	63	78	82	102	120
Class 1500#	L	111	111	120	152	172	221
	H	98	98	104	120	140	158