

FORGED STEEL GATE VALVE

Class 150, 300, 600

Design Description:

- Bolted Bonnet
- Outside Screw and Yoke
- Wedge Disc
- Rising Stem and Non-Rising
- HandWheel
- Renewable Seat Ring
- Flange Ends (Type A61, A62, A64)

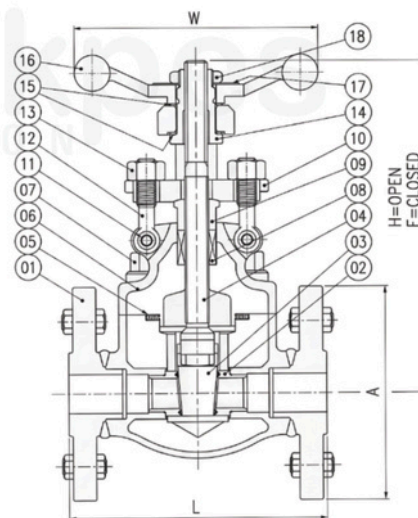
Test Pressure	Class 150	Class 300	Class 600
Shell (by Water)	450psi	1125psi	2225psi
Seat (by Water)	315psi	815psi	1630psi
(by Air)	80-100psi	60-100psi	60-100psi

Applicable Class 150, 300, 600 Standards:

- Steel Gate Valves API 602
- Steel Valves ANSI B16.34
- Face to Face ANSI B16.10
- End Flanges ANSI B16.5

Material Specifications:

Part No.	Part Name	Materials
1	Body	ASTM A105
2	Seat	ASTM A276-410+STL#6
3	Wedge	ASTM A276-420J2
4	Stem	ASTM A276-410
5	Bonnet Gasket	Asbestos or Grafoil
6	Bonnet	ASTM A105
7	Bonnet Bolt	ASTM A193-B7
8	Packing Ring	Asbestos or Grafoil
9	Gland	ASTM A276-410
10	Gland Flange	ASTM A181
11	Pin	ASTM A276-410
12	Gland Bolt	ASTM A193-B8
13	Gland Nut	ASTM A194-2H
14	Stem Nut	ASTM A276-410
15	Washer	ASTM A176-430
16	HandWheel	ASTM A536
17	Name Plate	ASTM A666-304
18	HandWheel Nut	ASTM A36



Dimensions:

Size	Class 150 Type: A61						Class 300 Type: A62						Class 600 Type: A64					
	A	F	H	L	W	Wts (kg)	A	F	H	L	W	Wts (kg)	A	F	H	L	W	Wts (kg)
1/2	89	143.1	160	140	102	3.6	95	143.1	160	140	102	3.8	95	143.1	160	165	89	4.0
3/4	98	143.1	160	152	102	3.8	117	143.1	160	152	102	5.0	117	143.1	160	190	89	5.0
1	108	167.3	190	165	121	6.4	124	167.3	190	165	121	7.2	124	167.3	190	216	102	7.7
1-1/2	127	217.5	252	190	146	10.9	156	217.5	252	190	146	13.6	156	217.5	252	241	146	14.7
2	152	237.3	280	216	178	15.2	165	237.3	280	216	178	17.7	165	237.3	280	292	178	19.5

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