

CAST STEEL (WCB) GLOBE VALVE FLANGED, PN16

Robust Construction
Cast steel (WCB)
for strength & durability

Precise Flow Control
Designed for accurate
throttling and regulation

Flanged Ends
Drilled to PN16
for easy installation

Wide Applications
Suitable for steam, water,
oil, air, and gases



APPLICATIONS

- Long service life in severe conditions
- Reliable tight shut-off
- High pressure capability
- Solid Wedge or Flexible Wedge Disc
- Temperature capability

SUITABLE FOR

Steam	Water	Oil	Air	Gases
●	●	●	●	●

Note: If raw varies in usage, please consult a Technical Engineer for appropriate materials.

TECHNICAL DATA

GATE VALVE DESIGN DESCRIPTION:

- Bolted Bonnet
- Outside Screw and Yoke
- Wedge Disc
- Rising Stem
- Handwheel
- Renewable Seat Ring
- Flanged Ends (Type A61, A62, A63, A64)

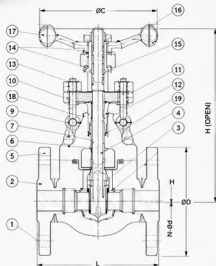
APPLICABLE CLASS 150, 300, 600 STANDARDS

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

FACE TO FACE

Class 150 According to Class 300

TEST PRESSURE	CLASS 150	CLASS 300	CLASS 600
Shell (by Water)	450 psi	1125 psi	2225 psi
Seat (by Water)	315 psi	815 psi	1630 psi
(by Air)	60-100 psi	60-100 psi	60-100 psi



MATERIAL SPECIFICATION

PART NO.	PART NAME	MATERIAL
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

PART NO.	PART NAME	MATERIAL
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 A276-410
16	Handwheel	ASTM A536
17	Name Plate	ASTM A662-304
18	Handwheel Nut	ASTM A36

DIMENSIONS

CLASS 150						TYPE: A61						CLASS 300						TYPE: A62						CLASS 600						TYPE: A64					
SIZE	A	F	H	L	W	Wt. (kg)	A	F	H	L	V	Wt. (kg)	A	F	H	L	W	Wt. (kg)	A	F	H	L	V	Wt. (kg)	A	F	H	L	W	Wt. (kg)					
1/2"	95	141.1	160	140	102	1.6	95	141.1	160	140	102	3.0	95	141.1	160	165	89	6.0	95	141.1	160	165	89	6.2	124	168.7	190	216	122	12.7					
3/4"	117	141.1	160	152	102	1.8	117	141.1	160	152	102	3.0	117	141.1	160	165	89	6.2	117	141.1	160	165	89	6.2	124	168.7	190	216	122	12.7					
1"	124	168.7	190	165	125	4.6	124	168.7	190	165	125	7.3	124	168.7	190	216	122	12.7	124	168.7	190	216	122	12.7	156	217.5	252	241	146	14.7					
1-1/2"	156	217.5	252	190	146	10.9	156	217.5	252	190	146	13.6	156	217.5	252	241	146	14.7	156	217.5	252	241	146	14.7	156	217.5	252	241	146	14.7					
2"	165	237.3	280	216	178	15.2	165	237.3	280	216	178	17.7	165	237.3	280	292	178	19.5	165	237.3	280	292	178	19.5	165	237.3	280	292	178	19.5					

NOTE: Dimensions are in millimeters unless otherwise specified. Weights are approximate.