

FORGED STEEL GLOBE VALVE

CLASS 150 / 300 / 600 / 800

**TYPE FH402-FS (NPT/SW)
 FH412-FS (FLANGED)**

DESIGN DESCRIPTION

- Bolted Bonnet
- Outside Screw and Yoke
- Loose Disc
- Rising Stem and Handwheel
- Integral Seat
- Screwed Ends
- Socket Weld Ends

APPLICABLE STANDARDS

- Socket Weld Ends, ANSI B16.11
- Screwed Ends, ANSI B1.20.1
- Steel Valves, ANSI B16.34

TEST PRESSURE

Class	Shell Test (Water)	Seat Test (Water)
150	450 (32 kg/cm ²)	314 (22 kg/cm ²)
300	1125 (79 kg/cm ²)	814 (57 kg/cm ²)
600	2225 (158 kg/cm ²)	1628 (114 kg/cm ²)
800	3000 (211kg/cm ²)	2200 (154 kg/cm ²)

PARTS AND MATERIALS

No	Parts	Materials				
		A105	F304	F316	F11	F22
1	Body	A105	A182-F304	A182-F316	A182-F11	A182-F22
2	Seat Facing	Stellite #6	Stellite #6	Stellite #6	Stellite #6	Stellite #6
3	Disc	A276-420J2	A276-304	A276-316	A276-420J2	A276-420J2
4	Stem	A276-410	A276-304	A276-316	A276-410	A276-410
5	Bonnet Gasket	304 +GRAPHITE	304 +GRAPHITE	304 +GRAPHITE	304 +GRAPHITE	304 +GRAPHITE
6	Bonnet	A105	A182-F304	A182-F316	A182-F11	A182-F22
7	Bonnet Bolt	A193-B7	A193-B8	A193-B8	A193-B16	A193-B16
8	Packing Ring	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE	GRAPHITE
9	Gland	A276-410	A276-304	A276-316	A276-410	A276-410
10	Gland Flange	A105	A182-F304	A182-F304	A105	A105
11	Pin	A276-410	A276-304	A276-304	A276-410	A276-410
12	Gland Bolt	A193-B8	A193-B8	A193-B8	A193-B8	A193-B8
13	Gland Nut	A194-2H	A194-8	A194-8	A194-2H	A194-2H
14	Stem Nut	A276-410	A276-410	A276-410	A276-410	A276-410
15	Washer	A176-430	A176-430	A176-430	A176-430	A176-430
16	Hand Wheel	A536	A536	A536	A536	A536
17	Name Plate	A666-304	A666-304	A666-304	A666-304	A666-304
18	Hand Wheel Nut	A36	A36	A36	A36	A36
19	Disc Nut	A276-410	A276-304	A276-316	A276-410	A276-410
20	Flange	A105	A182-F304	A182-F316	A182-F11	A182-F22

DIMENSION

Size		A	B	C	d	F	H	S	W	L	L1			Wt	
A (mm)	B (inch)	ANSI	JIS								150 LB	300 LB	600 LB	(kg)	
15	½	34	21.84	22.2	9.6	9.5	156	165	½	89	79	108	152	165	2.4
20	¾	40	27.18	27.7	12.7	13	161	170	¾	89	92	118	178	190	2.5
25	1	48	33.91	34.5	12.7	17.5	187	202.5	1	102	111	127	203	216	3.6
40	1½	65	48.77	49.1	12.7	30	226.5	251.5	1½	146	152	165	229	241	7.9
50	2	80	61.24	61.1	15.9	38.1	257	285.5	2	178	172	203	267	292	11.6

