

CAST STEEL GLOBE VALVE

CLASS 300 MODEL NO. FH 412-CT 300

DESIGN DESCRIPTION

- Outside Screw and Yoke
- Bolted Bonnet
- Rising Stem and Handwheel
- (Impact-Hammer Handwheel for 8" & over)
- Yoke Integral with Bonnet
- Loose Disc
- Renewable Seat Rings
- Available with Gear Operator
- Flanged Ends
- Buttwelding Ends

APPLICABLE STANDARDS

- Steel Valves, ANSI B16.34
- Face to Face, ANSI B16.10
- End Flanges, ANSI B16.5
- Buttwelding Ends, ANSI B16.25
- Inspection and Test, API 598

TEST PRESSURE TO API 598

Shell Test (Water)	Seat Test (Water)	Seat Test (Air)
1125 (79 kg/cm ²)	814 (57 kg/cm ²)	80 (6 kg/cm ²)

PARTS AND MATERIALS

No	Parts	Materials		
		WCB	WC6	LCB
1	Body	A216-WCB	A217-WC6	A352-LCB
2	Bonnet	A216-WCB	A217-WC6	A352-LCB
3	Disc	A216-WCB+H/F 410	A217-WC6+H/F 410	A352-LCB+H/F 410
4	Stem		A276-410	
5	Seat	A105+H/F STL#6	A182-F11+H/F STL#6	A350-LF2+H/F STL#6
6	Disc Nut		A276-410	
7	Back Seat		A276-410	
8	Hand Wheel		A536	
9	Gasket	304 Spiralwound w/ Grafoil Filler		
10	Gland Flange		A216-WCB	
11	Gland		A276-410	
12	Gland Packing		Graphite	
13	Eye Bolt Pin		A276-410	
14	Stem Nut		A439-D2	
15	Washer		A36+Zn Plate	
16	Wheel Nut		A194-2H	
17	Eye Bolt		A307 B	
18	Eye Bolt Nut		A194-2H	
19	Bonnet Bolt	A193-B7	A193-B7	A193-B7M
20	Bonnet Bolt Nut	A194-2H	A194-2H	A194-2HM
21	Name Plate		A666-304	

DIMENSION

DN	NPS	Ø d	L & L1	H	H (Open)	Ø W	T	F	Ø D	Ø C	Ø G	Ø h	n	Wt (kg)
50	2	50.8	267	405	422	200	22.4	1.6	165.1	127.0	92.0	19.0	8	29
65	2½	63.5	292	445	468	250	25.4	1.6	190.5	149.4	104.7	22.3	8	43
80	3	76.2	318	490	520	300	28.5	1.6	209.6	168.1	127.0	22.3	8	55
100	4	101.6	356	567	607	300	31.8	1.6	254.0	200.2	157.2	22.3	8	86
150	6	152.4	445	732	784	400	36.6	1.6	317.5	269.8	215.9	22.3	12	176
200	8	203.2	559	797	868	500	41.2	1.6	381.0	330.2	269.8	25.4	12	280
250	10	254.0	622	973	1042	600	47.8	1.6	444.5	387.4	323.9	28.5	16	420
300	12	304.8	711	1030	1140	700	50.8	1.6	520.7	450.9	381.0	31.8	16	645
350	14	366.6	838	1093	1154	800	53.9	1.6	584.2	514.4	412.8	31.8	20	880
400	16	387.4	864	1145	1206	900	57.2	1.6	647.7	571.5	469.9	35.1	20	1280

