

CAST STEEL GLOBE VALVE

CLASS 150 MODEL NO. FH 412-CT 150

DESIGN DESCRIPTION

- Outside Screw and Yoke
- Bolted Bonnet
- Rising Stem and Handwheel
- (Impact-Hammer Handwheel For 10" & Over)
- Yoke Integral with Bonnet
- Loose Disc
- Renewable Seat Rings
- 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)
450 (32 kg/cm ²)	314 (22 kg/cm ²)	80 (6 kg/cm ²)

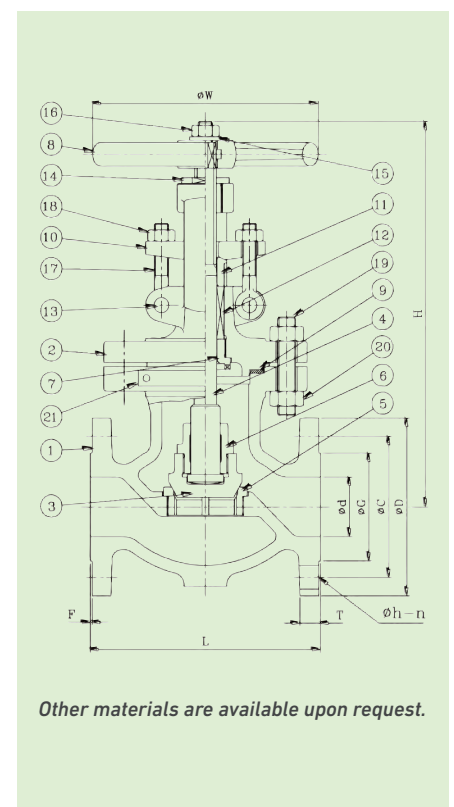
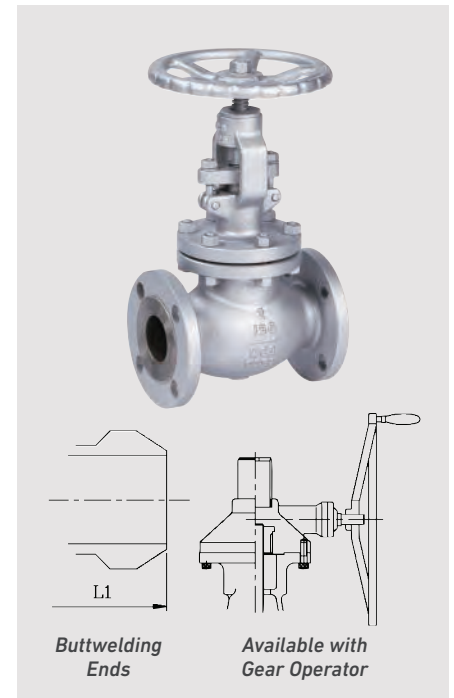
PARTS AND MATERIALS

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		Grafoil+316 Sheet	
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	203	359	381	200	15.8	1.6	152.4	120.7	92.0	19.0	4	22
65	2½	63.5	216	406	430	250	17.5	1.6	177.8	139.7	104.7	19.0	4	31
80	3	76.2	241	435	468	300	19.1	1.6	190.5	152.4	127.0	19.0	4	41
100	4	101.6	292	498	536	300	23.9	1.6	228.6	190.5	157.2	19.0	8	64
125	5	127	356	515	566	400	24	1.6	254	215.9	186	22.4	8	88
150	6	152.4	406	590	642	400	25.4	1.6	279.4	241.3	215.9	22.3	8	113
200	8	203.2	495	686	757	450	28.5	1.6	342.9	298.5	269.8	22.3	8	190
250	10	254.0	622	786	854	500	30.3	1.6	406.4	362.0	323.9	25.4	12	238
300	12	304.8	699	885	986	600	31.8	1.6	482.6	431.8	381.0	25.4	12	420
350	14	336.6	787	988	1108	700	35.1	1.6	533.4	476.3	412.8	28.5	12	640
400	16	387.4	914	1085	1225	800	36.6	1.6	596.9	539.8	469.9	28.5	16	920

FH-412-CT-150-R0 [Disclaimer] The information, specifications and technical data contained in this catalogue are subjected to change without prior notice. User should verify all technical data and specifications prior to use. The manufacturer does not warrant that the information in this catalogue is current or correct and assumes no responsibility for the use or misuse of any such material and information by the user.



Other materials are available upon request.

CAST STAINLESS STEEL GLOBE VALVE

CLASS 150 MODEL NO. FH 412-CTS 150

DESIGN DESCRIPTION

- Outside Screw and Yoke
- Bolted Bonnet
- Rising Stem and Handwheel
- (Impact-Hammer Handwheel for 10" & over)
- Yoke Integral with Bonnet
- Loose Disc
- Integral Seat and Back Seat
- 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

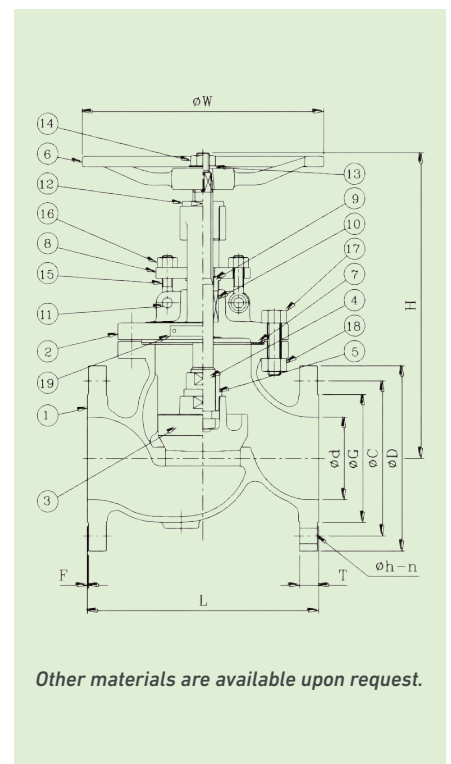
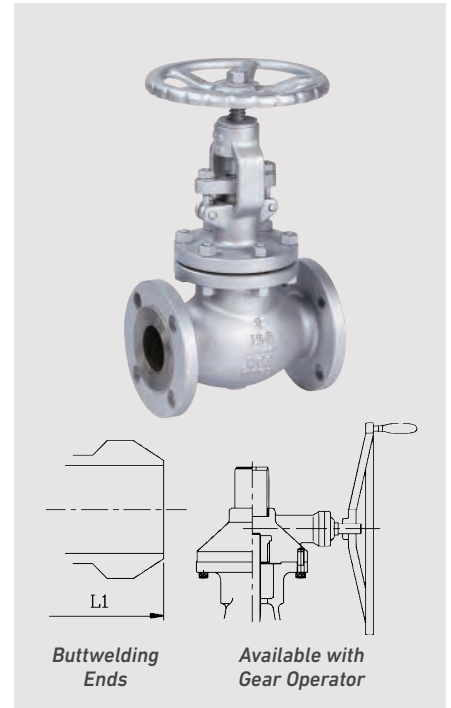
Shell Test (Water)	Seat Test (Water)	Seat Test (Air)
450 (32 kg/cm ²)	314 (22 kg/cm ²)	80 (6 kg/cm ²)

PARTS AND MATERIALS

No	Parts	Materials		
		CF8	CF8M	CF3M
1	Body	A351-CF8	A351-CF8M	A351-CF3M
2	Bonnet	A351-CF8	A351-CF8M	A351-CF3M
3	Disc	A351-CF8	A351-CF8M	A351-CF3M
4	Stem	A182-F304	A182-F316	A182-F316L
5	Disc Nut	A276-304	A276-316	A276-316L
6	Hand Wheel		A536	
7	Gasket		PTFE / Grafoil+316 Sheet	
8	Gland Flange		A351-CF8	
9	Gland		A351-CF8M	
10	Gland Packing		PTFE / Graphite	
11	Eye Bolt Pin		A276-304	
12	Stem Nut		A439-D2 / Bronze	
13	Washer		A240-304	
14	Wheel Nut		AISI 304	
15	Eye Bolt		A193-B8	
16	Eye Bolt Nut		A194-8	
17	Bonnet Bolt		A193-B8	
18	Bonnet Bolt Nut		A194-8	
19	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)
15	½	12.7	108	193	200	100	10.0	1.6	88.9	60.5	35.1	16.0	4	5.5
20	¾	19.0	117	198	213	100	10.5	1.6	98.6	69.9	43.0	16.0	4	7.5
25	1	25.4	127	231	248	100	11.2	1.6	108.0	79.2	50.8	16.0	4	11
40	1½	38.1	165	262	280	200	14.3	1.6	127.0	98.6	73.2	16.0	4	15
50	2	50.8	203	286	319	200	15.8	1.6	152.4	120.7	92.0	19.0	4	18
65	2½	63.5	216	312	341	250	17.5	1.6	177.8	139.7	104.7	19.0	4	23
80	3	76.2	241	344	380	250	19.1	1.6	190.5	152.4	127.0	19.0	4	29
100	4	101.6	292	376	416	300	23.9	1.6	228.6	190.5	157.2	19.0	8	48
150	6	152.4	406	467	535	400	25.4	1.6	279.4	241.3	215.9	22.3	8	85
200	8	203.2	495	545	614	450	28.5	1.6	342.9	298.5	269.8	22.3	8	130
250	10	254.0	622	650	735	550	30.3	1.6	406.4	362.0	323.9	25.4	12	205
300	12	304.8	699	727	822	600	31.8	1.6	482.6	431.8	381.0	25.4	12	336



Other materials are available upon request.