

# 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 <sup>2</sup> )	314 (22 kg/cm <sup>2</sup> )	80 (6 kg/cm <sup>2</sup> )

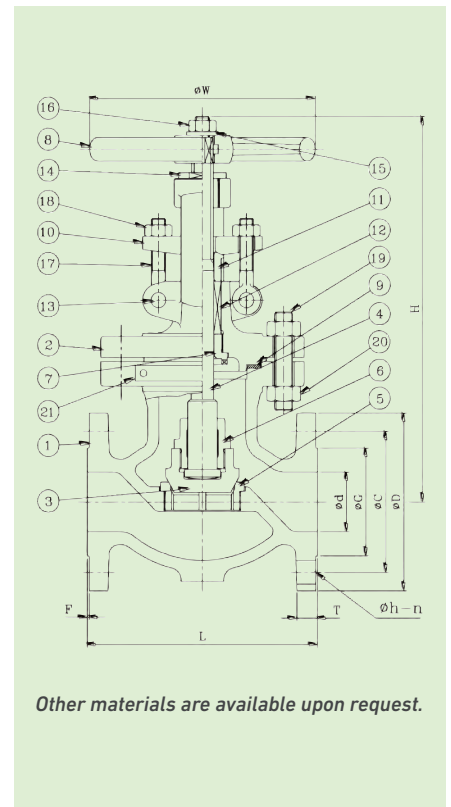
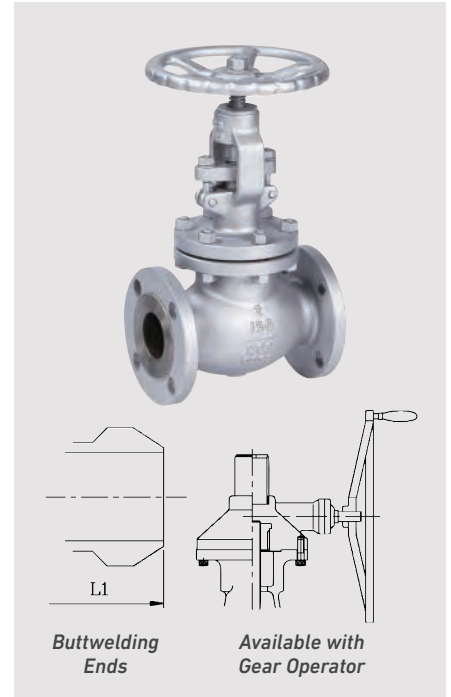
## PARTS AND MATERIALS

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.