

# 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  
 Butt welding Ends

## APPLICABLE STANDARDS

Steel Valves, ANSI B16.34  
 Face to Face, ANSI B16.10  
 End Flanges, ANSI B16.5  
 Butt welding 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> )

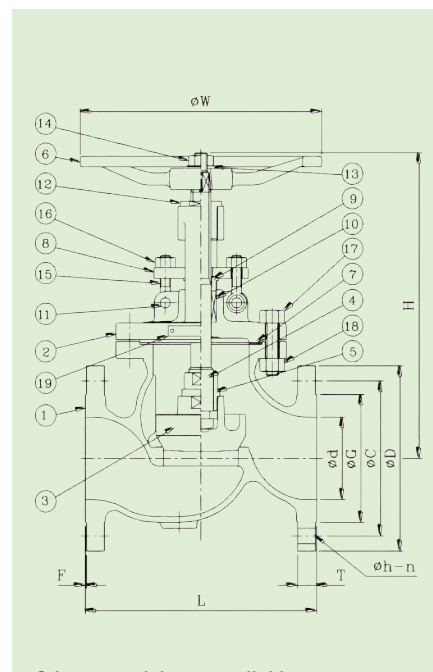
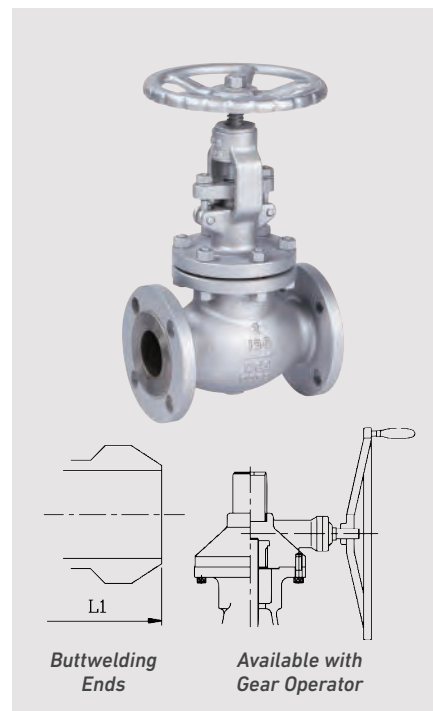
## PARTS AND MATERIALS

No	Parts	Materials		
		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

**FH-412-CTS-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.