

# CAST STAINLESS STEEL GLOBE VALVE

**CLASS 300 MODEL NO. FH 412-CTS 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
- 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)
1125 (79 kg/cm <sup>2</sup> )	814 (57 kg/cm <sup>2</sup> )	80 (6 kg/cm <sup>2</sup> )

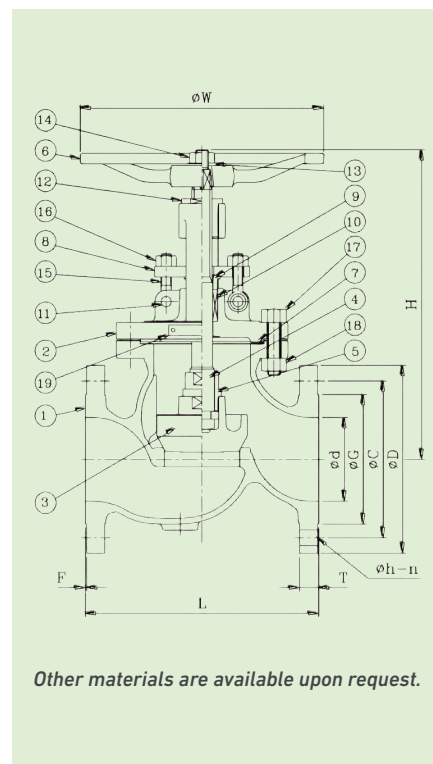
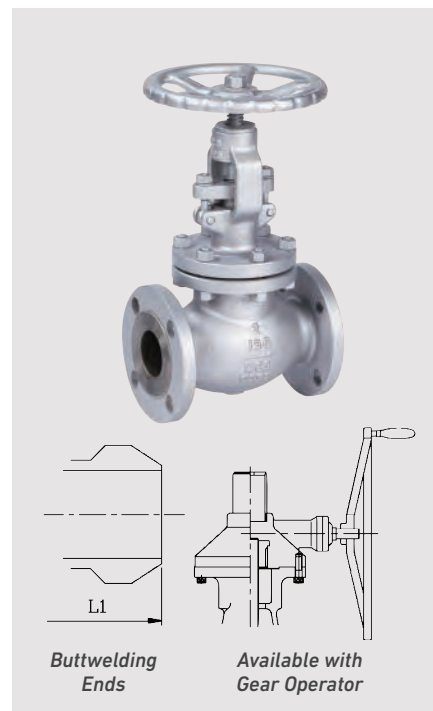
## PARTS AND MATERIALS

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	304 Spiralwound	316 Spiralwound	316L Spiralwound
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	152	223	230	100	14.3	1.6	95.3	66.5	35.1	16.0	4	6.5
20	¾	19.0	178	234	240	100	15.8	1.6	117.4	82.6	43.0	19.0	4	8.5
25	1	25.4	203	250	260	150	17.5	1.6	124.0	88.9	50.8	19.0	4	12
40	1½	38.1	229	335	350	200	20.6	1.6	155.5	114.3	73.2	22.3	4	18
50	2	50.8	267	405	422	200	22.4	1.6	165.1	127.0	92.0	19.0	8	26
65	2½	63.5	292	445	468	250	25.4	1.6	190.5	149.4	104.7	22.3	8	41
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

**FH-412-CTS-300-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.