

# CAST STEEL GATE VALVE

**CLASS 300 MODEL NO. FH 411-CT 300**

## DESIGN DESCRIPTION

- Outside Screw and Yoke
- Bolted Bonnet
- Flexible Wedge, Fully Guided
- Renewable Seat Rings
- Rising Stem and Non-Rising Handwheel
- Available with Gear Operator
- Flanged Ends
- Buttwelding Ends

## APPLICABLE STANDARDS

- Steel Gate Valves, API 600
- 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> )

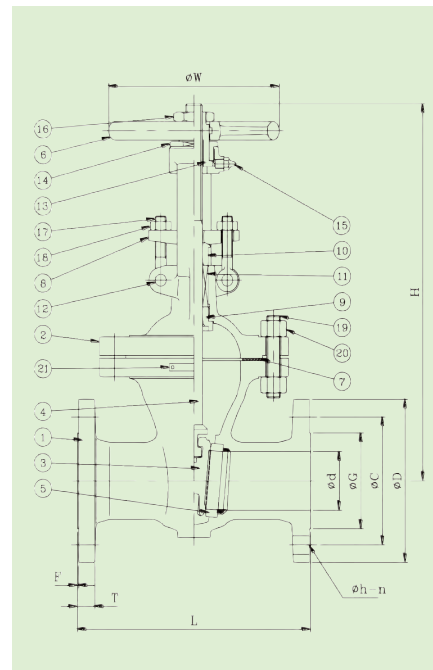
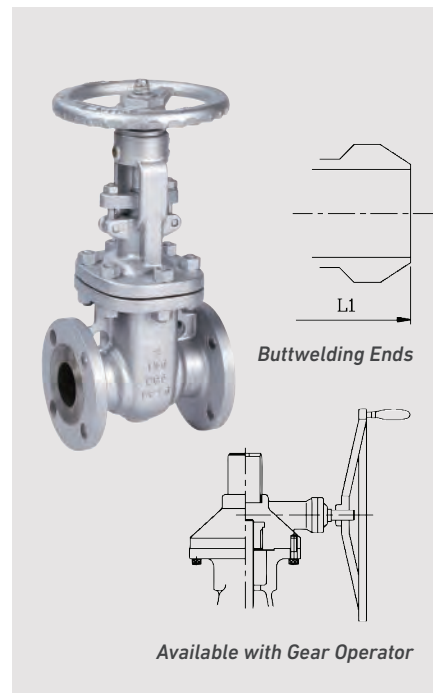
## PARTS AND MATERIALS

No	Parts	Materials		
		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		A182-F6a	
5	Seat	A105+ H/F STL#6	A182-F11+H/F STL#6	A350-LF2+H/F STL#6
6	Hand Wheel		A536	
7	Gasket		304 Spiralwound / Grafoil Filler	
8	Gland flange		A216-WCB	
9	Bonnet Bush		A276-410	
10	Gland		A276-410	
11	Gland packing		Graphite	
12	Eye Bolt Pin		A276-410	
13	Stem Nut		A439-D2	
14	Retainer Nut		A36	
15	Nipple		Brass	
16	Wheel Nut		A36	
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	216	400	460	200	22.4	1.6	165.1	127.0	92.0	19.0	8	27
65	2½	63.5	241	432	510	250	25.4	1.6	190.5	149.4	104.7	22.3	8	40
80	3	76.2	282	463	550	250	28.5	1.6	209.6	168.1	127.0	22.3	8	47
100	4	101.6	305	508	624	300	31.8	1.6	254.0	200.2	157.2	22.3	8	72
150	6	152.4	403	675	840	350	36.6	1.6	317.5	269.8	215.9	22.3	12	140
200	8	203.2	419	822	1043	400	41.2	1.6	381.0	330.2	269.8	25.4	12	223
250	10	254.0	457	1025	1290	450	47.8	1.6	444.5	387.4	323.9	28.5	16	348
300	12	304.8	502	1272	1588	500	50.8	1.6	520.7	450.9	381.0	31.8	16	577
350	14	336.6	762	1458	1820	600	53.9	1.6	584.2	514.4	412.8	31.8	20	710
400	16	387.4	838	1614	2032	700	57.2	1.6	647.7	571.5	469.9	35.0	20	1038
450	18	438.2	914	1738	2208	800	60.5	1.6	711.2	628.7	533.4	35.0	24	1227
500	20	489.0	991	1990	2512	900	63.5	1.6	774.7	685.8	584.2	35.0	24	1640
600	24	590.6	1143	2268	2896	1000	69.9	1.6	914.4	812.8	692.2	41.0	24	2302

**FH-411-CT-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.