

GATE VALVES CLASS 150

GATE VALVES 14"-30"/150

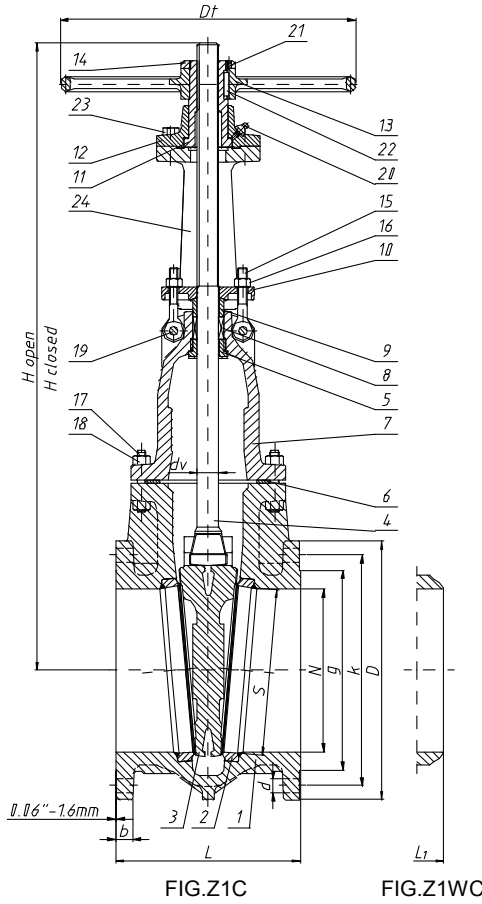


Table 2

Pos	Parts	Material specification
1	Body	ASTM A 216 Gr WCB
2	Seat Ring	ASTM A 216 Gr WCB/Co-Cr-W Facing ASTM A 108 Gr 1018-1020/Co-Cr-W Facing
3	Wedge	ASTM A 216 Gr WCB/13%Cr Facing
4	Stem	ASTM A 182 Gr F6a
5	Backseat Bushing	ASTM A 276 type 410
6	Gasket	Soft Steel Corrugated or SS Corrugated + Graphite
7	Bonnet	ASTM A 216 Gr WCB
8	Packing	Graphoil
9	Gland	ASTM A 182 Gr F6a
10	Gland Flange	ASTM A 105
11	Yoke Nut	ASTM A 439 Type D2
12	Yoke Cap	ASTM A 216 Gr WCB
13	Handwheel	ASTM A 47 Gr 32510
14	Handwheel Nut	ASTM A 47 Gr 32510
15	Gland Eyebolt	Carbon Steel
16	Gland Eyebolt Nut	ASTM A 307 Gr B
17	Body Bonnet Stud Bolt	ASTM A 193 Gr B7
18	Body Bonnet Stud Nut	ASTM A 194 Gr 2H
19	Hinge Pin	Carbon Steel
20	Lube Fitting	Carbon Steel
21	Set Screw Lock	Carbon Steel
22	Key	Carbon Steel
23	Bolt	Carbon Steel
24	Yoke Arm 14" and larger	ASTM A 216 Gr.WCB

Table 3

TEST PRESSURE					
Hydrostatic test pressure			Pneumatic test pressure		
Shell		Seat		Seat	
(psig)	(bar gauge)	(psig)	(bar gauge)	(psig)	(bar gauge)
450	31.0	315	21.7	80	5.5

Table 4

V S A I L Z V E E	GENERAL DIMENSIONS																
	Port		Line Flange					Face to Face	BW	Height		Stem	Line Flange Bolts		Turns to Open	Hand-wheel Dia	Weight Approx.
	Dia	Dia	Dia	Thick-ness min	Bolt Circle Dia	Hole Dia	Raised Face Dia			H Open	H Closed		No	Size			
	N (in) (mm)	S (in) (mm)	D (in) (mm)	b (in) (mm)	k (in) (mm)	d (in) (mm)	g (in) (mm)	L (in) (mm)	L ₁ (in) (mm)	(in) (mm)	(in) (mm)	dv (in) (mm)	(in) (mm)	Dt (in) (mm)	(lbs) (kg)		
14	13.25 336.6	13.52 343.5	21.00 533.4	1.38 35.1	18.75 476.3	1.12 28.4	16.25 412.8	15.00 381.0	22.50 571.5	64.65 1642.2	50.45 1281.5	1 44.5	12 25.4	28.30 609.6	24.00 609.6	1095.6 498	
16	15.25 387.4	15.49 393.5	23.50 596.9	1.44 36.6	21.25 539.8	1.12 28.4	18.50 469.9	16.00 406.4	24.00 609.6	73.23 1860.2	56.28 1429.6	1 ^{3/4} 44.5	16 25.4	33.90 609.6	24.00 609.6	1291.4 587	
18	17.25 438.2	17.64 448	25.00 635.0	1.56 39.6	22.75 577.9	1.25 31.8	21.00 533.4	17.00 431.8	26.00 660.4	81.88 2080.3	63.00 1600.2	1 ^{7/8} 47.6	16 28.6	33.05 685.8	27.00 685.8	1806 821	
20	19.25 489.0	19.40 492.8	27.50 698.5	1.69 42.9	25.00 635.0	1.25 31.8	23.00 584.2	18.00 457.2	28.00 711.2	94.50 2400.3	73.60 1869.4	2 50.8	20 28.6	36.50 762.0	30.00 762.0	2189 995	
24	23.25 590.6	23.82 605.0	32.00 812.8	1.88 47.8	29.50 749.3	1.38 35.1	27.25 692.2	20.00 508.0	32.00 812.8	105.30 2674.6	80.70 2049.8	2 ^{1/4} 57.2	20 31.8	36.90 762.0	30.00 762.0	3168 1440	
30	29.25 743	29.65 753	38.75 984	2.94 74.7	36.00 914.4	1.38 35.1	33.75 857.3	24.12 609.6	36.00 914	133.2 3384	102.7 2609	2 ^{1/2} 63.5	28 31.8	46.65 915	36.00 915	5184 2340	

Gate valves are produced in according to API 600, ASME/ANSI B16.5, B.16.10, B16.25, B16.34 and testing in according to API 598.