



The Valve Company

CAST STEEL GATE VALVE

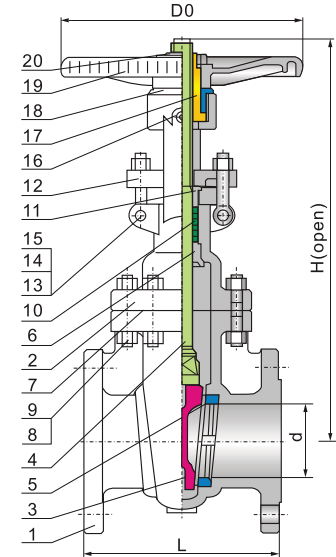
150lb

Applicable standards:

STEEL GATE VALVES, API 600/API 6D
 STEEL GATE VALVES, ISO 10434/ISO 14313
 STEEL VALVES, ASME B 16.34
 FACE TO FACE, ASME B 16.10
 END FLANGES, ASME B 16.5
 BUTTWELDING ENDS, ASME B 16.25
 INSPECTION AND TEST, API 598/API 6D

Design description:

FULL PORT DESIGN
 OS & Y, OUTSIDE SCREW AND YOKE
 BB, BOLTED BONNET
 FLEXIBLE WEDGE, FULLY GUIDED
 CHOICE OF SOLID OR SPLIT WEDGE
 RENEWABLE SEAT RINGS
 FORGED T-HEAD STEM
 RISING STEM AND NON-RISING HANDWHEEL
 FLANGED OR BUTTWELDING ENDS
 AVAILABLE WITH BG OPERATOR

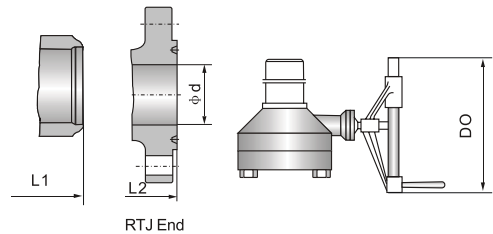
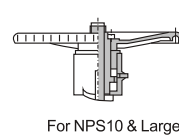


Materials of parts

No	Part Name	ASTM Material		
		Carbon Steel	1 1/4Cr-1/2Mo	Carbon Steel
1	Body	A216-WCB	A217-WC6	A352-LCB
2	Bonnet	A216-WCB	A217-WC6	A352-LCB
3	Wedge	A216-WCB+CR13	A217-WC6+HF	A352-LCB+CR13
4	Stem	A182-F6a	CR-MO-V	A182-F6a
5	Seat Ring	A105+CR13	A182-F11+HF	A350-LF2+CR13
6	Stem Back Seat	A276-420	A276-304	A276-420
7	Bonnet Gasket	Spiral Wound (Graphite+304)		
8	Bonnet Stud	A193-B7	A193-B16	A320-L7
9	Bonnet Stud Nut	A194-2H	A194-7	A194-4
10	Packing	Graphite		
11	Gland	A276-420	A276-304	A276-420
12	Gland Flange	A216-WCB	A217-WC6	A352-LCB
13	Eyebolt Pin	Carbon Steel	A276-420	Carbon Steel
14	Eyebolt	Carbon Steel	A193-B7	Carbon Steel
15	Eyebolt Nut	Carbon Steel	A194-2H	Carbon Steel
16	Grease Fitting	Brass+Steel		
17	Yokesleeve	Aluminum-Bronze ¹⁾		
18	Yokesleeve Jam Nut	Carbon Steel		
19	Handwheel	Malleable Iron		
20	Handwheel Nut	Carbon Steel		

Note:1).Ductile Ni-Resist optional

2).Wedge and seat ring may either be solid facing material or a base material equal to or better than the body/bonnet material with facing as shown.



Dimensions data

NPS	2	2 1/2	3	4	6	8	10	12	14	16	18	20	24	26	28	30	32	36	40	42	48	in
DN	50	65	80	100	150	200	250	300	350	400	450	500	600	650	700	750	800	900	1000	1050	1200	mm

ANSI Class 150Lb

L (RF)	7.00	7.50	8.00	9.00	10.50	11.50	13.00	14.00	15.00	16.00	17.00	18.00	20.00	22.00	24.00	24.00	28.00	28.00	32.00	32.00	42.00	in
	178	191	203	229	267	292	330	356	381	406	432	457	508	559	610	610	711	711	813	813	1067	mm
L1 (BW)	8.5	9.50	11.12	12.00	15.88	16.50	18.00	19.75	22.50	24.00	26.00	28.00	32.00	34.00	36.00	36.00	38.00	40.00	42.00	45.00	53.97	in
	216	241	283	305	403	419	457	502	572	610	660	711	813	864	914	914	965	1016	1067	1143	1371	mm
L2 (RTJ)	7.48	7.99	8.50	9.48	10.98	12.00	13.50	14.48	15.51	16.49	17.51	18.50	20.51	-	-	24.48	-	28.50	-	-	-	in
	190	203	216	241	279	305	343	368	394	419	445	470	521	-	-	622	-	724	-	-	-	mm
H (OPEN)	15.25	17.00	18.88	23.00	30.50	37.62	45.50	53.12	59.38	67.00	74.50	83.50	98.25	110.50	116.50	124.00	129.00	146.50	130.00	136.96	161.70	in
	386	434	480	584	765	956	1149	1350	1508	1703	1892	2119	2500	2806	2960	3150	3280	3720	3302	3479	3962	mm
(d)	50	63	76	100	150	200	250	300	336	387	438	488	590	641	692	743	781	876	-	-	-	mm
D0	8	8	10	12	12	14	16	18	20	22	24	26	29	29	32	32	38	40	40.15	40.15	40.15	in
	200	200	250	300	300	350	400	450	500	550	600	640	720	720	800	800	950	1000	1020	1020	1020	mm
WT (kg)	18	25	32	50	77	121	178	265	363	463	621	792	1190	1521	1838	2261	2490	3310	4650	5100	6500	RF
	15	18	26	41	69	108	156	248	330	424	587	752	1144	1570	1900	3310	2540	3380	-	-	-	BW
Toqure	13	13	15	27	36	63	84	131	151	235	285	341	602	-	-	1079	-	1497	-	-	-	mm