



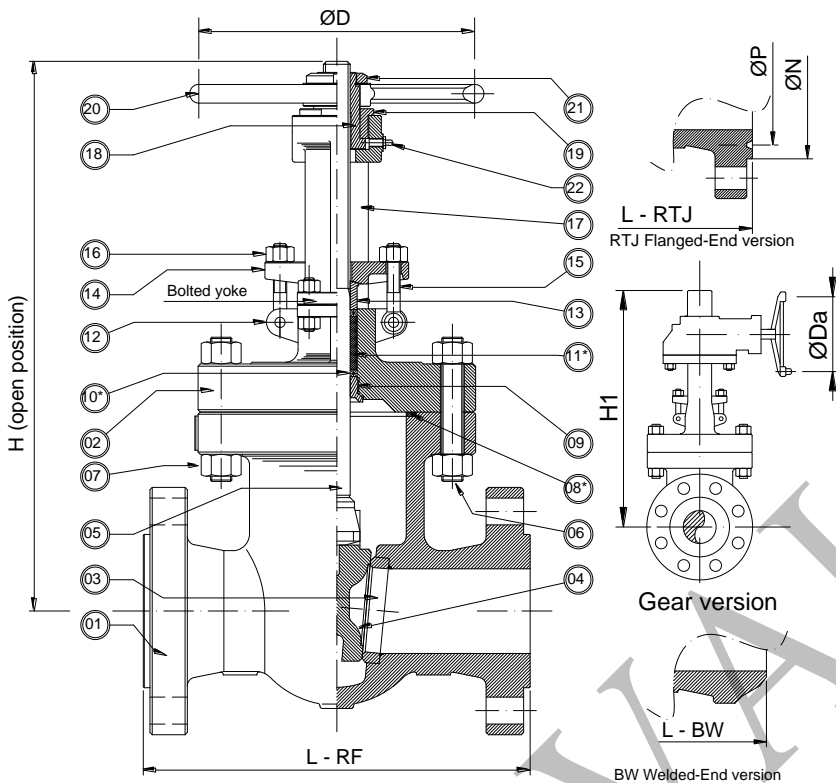
CVB VALVES S.R.L.

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300 Lbs

CAST STEEL GATE VALVES

CVB-GTC-002



BASIC DESIGN STANDARDS

Basic Design API 600 / ANSI B16.34
Face to Face Dimension ANSI B16.10
Flanges Up to 24" ANSI B16.5
From 26" MSS SP44
ANSI B16.47 API 605
Butt-weld ends ANSI B16.25
Testing API 598

STANDARD DESCRIPTION

- Outside Screw & Yoke
- Bolted Bonnet with integral yoke up to Ø 8"
- Bolted Bonnet with bolted yoke from Ø 10"
- Welded Seat Ring
- Solid wedge up to Ø 2-1/2"
- Flexible Wedge from Ø 3" and greater
- Available with Gear Operator
- Special features according to Customer's requirement

TEST PRESSURE TO API 598 Psi/bar

Shell (water)	Seat (water)	Seat (air)
1125 / 78	825 / 57	80 / 5.5

* Recommended Spare Parts

No	Part Name	TRIM NUMBER AS PER API 600							
		1	2	8	5	9	10	12	16
03	Seat Ring			STL Gr.6	STL Gr.6			STL Gr.6	STL Gr.6
04	Wedge			410	STL Gr.6				STL Gr.6
05	Stem	410	304						
09	Backseat			410	410	MONEL	316	316	316
	Lantern Ring								
13	Gland								



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BILL OF MATERIALS STANDARD ACCORDING TO ASTM

No	Part Name	Carbon Steel		Alloy Steel		Stainless Steel			
		WCB	LCB	WC6	C5	CF8	CF8M	CF3	CF3M
01	Body	A216 WCB	A352LCB	A217WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
02	Bonnet	A216 WCB	A352 LCB	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
06	Bonnet Bolts	A193-B7	A320-L7	A193-B16		A193-B8			
07	Bonnet Nuts	A194-2H	A194-4	A194-4		A194-8			
08	Body / Bonnet Gasket	304 SS + Graphite inhibited							
10-11	Stem Packing	Braided and Flexible Graphite							
12	Eyebolts Pin	A276-410							
14	Gland Flange	A216 WCB	A352 LCB	A217 WC6	A217 C5	A351 CF8	A351 CF8M	A351 CF3	A351 CF3M
15	Gland Eyebolts	A193-B7	A320-L7	A193-B16		A193-B8			
16	Gland Nuts	A194-2H	A194-4	A194-4		A194-8			
17	Yoke								
18	Stem Nut	ASTM A439-D2							
19	Retaining Nut	Carbon Steel			410				
20	Hand Wheel	Ductile Iron or Steel							
21	Hand Wheel Nut	Carbon Steel				410			
22	Grease Nipple	Stainless Steel							

CAST STEEL GATE VALVES CLASS 300#

SIZE		DIMENSION in mm						WEIGHT	
Inches	mm	L (RF)	L (BW)	H Open	H1	Ø D	Ø Da	Kg (HANDWHEEL)	Kg (GEAR OPERATOR)
2"	50	216	216	410	-	200	-	24	-
2-1/2"	65	241	241	470	-	200	-	41	-
3"	80	282	282	536	-	250	-	54	-
4"	100	305	305	630	-	300	-	77	-
6"	150	403	403	810	860	350	240	143	161
8"	200	419	419	1010	1060	450	240	220	238
10"	250	457	457	1245	1300	500	310	370	396
12"	300	502	502	1460	1510	600	310	505	531
14"	350	762	762	1630	1670	600	310	765	791
16"	400	838	838	1800	1860	600	460	1010	1059
18"	450	914	914	2000	2050	600	460	1300	1349
20"	500	991	991	2200	2260	720	600	1700	1749
22"	550	1118	1118	2460	2510	900	600	2100	2198
24"	600	1143	1143	2640	2690	900	600	2420	2518

For Face-to-Face dimension L (RTJ), add +16 mm from size 2" up to 18"
 add +19 mm for size 20", add +22 mm for sizes 22" and 24"