



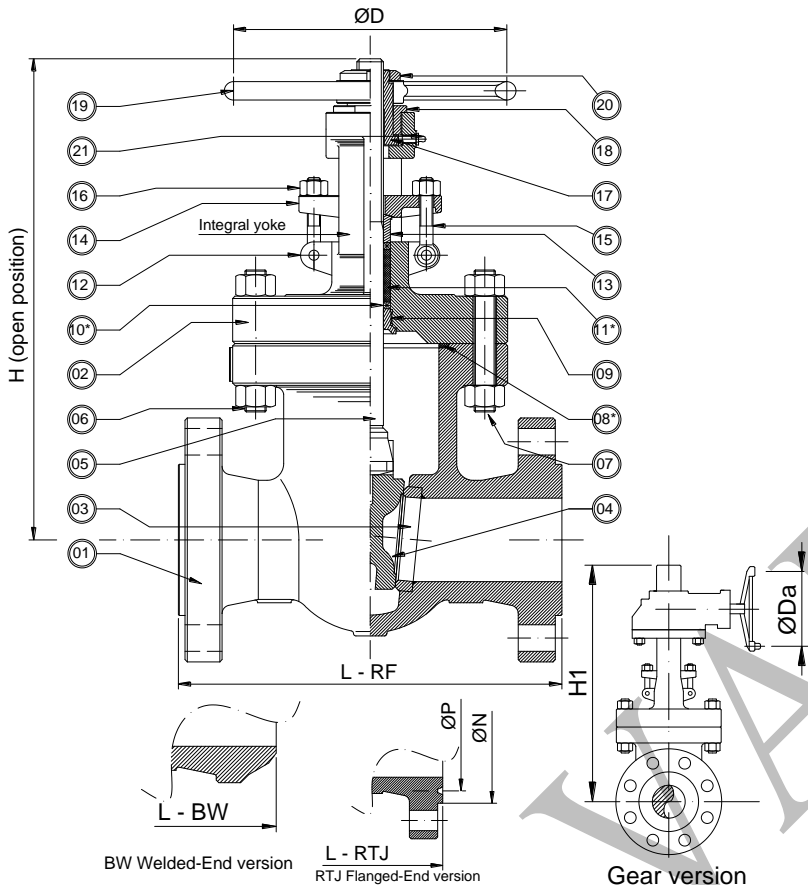
# CVB VALVES S.R.L.

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600 Lbs

## CAST STEEL GATE VALVES

CVB-GTC-003



### 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 6"
- Bolted Bonnet with bolted yoke from Ø 8"
- 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) |
| 2250 / 155    | 1650 / 114   | 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    | 410                        | 304 | STL Gr.6 | STL Gr.6 | MONEL | 316 | 316 | STL Gr.6 |
| 04 | Wedge        |                            |     | 410      | STL Gr.6 |       |     |     | STL Gr.6 |
| 05 | Stem         |                            |     |          |          |       |     |     |          |
| 09 | Backseat     |                            |     | 410      | 410      |       |     |     |          |
|    | Lantern Ring |                            |     |          |          |       |     |     |          |
| 13 | Gland        |                            |     |          |          |       |     |     | 316      |



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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    | Stem Nut             | ASTM A439-D2                  |          |             |         |                 |           |          |           |
| 18    | Retaining Nut        | Carbon Steel                  |          |             | 410     |                 |           |          |           |
| 19    | Hand Wheel           | Ductile Iron or Steel         |          |             |         |                 |           |          |           |
| 20    | Hand Wheel Nut       | Carbon Steel                  |          |             | 410     |                 |           |          |           |
| 21    | Grease Nipple        | Stainless Steel               |          |             |         |                 |           |          |           |

**CAST STEEL GATE VALVES CLASS 600 #**

| SIZE   |     | DIMENSION in mm |        |        |      |      |      | WEIGHT         |                    |
|--------|-----|-----------------|--------|--------|------|------|------|----------------|--------------------|
| Inches | mm  | L (RTJ)         | L (BW) | H Open | H1   | Ø D  | Ø Da | Kg (HANDWHEEL) | Kg (GEAR OPERATOR) |
| 2"     | 50  | 292             | 292    | 425    | -    | 200  | -    | 33             | -                  |
| 2-1/2" | 65  | 330             | 330    | 500    | -    | 200  | -    | 51             | -                  |
| 3"     | 80  | 356             | 356    | 570    | -    | 250  | -    | 70             | -                  |
| 4"     | 100 | 432             | 432    | 680    | -    | 300  | -    | 127            | -                  |
| 5"     | 125 | 508             | 508    | 730    | -    | 400  | -    | 178            | -                  |
| 6"     | 150 | 559             | 559    | 895    | 940  | 500  | 500  | 280            | 306                |
| 8"     | 200 | 660             | 660    | 1085   | 1150 | 600  | 600  | 450            | 476                |
| 10"    | 250 | 787             | 787    | 1280   | 1310 | 600  | 600  | 760            | 809                |
| 12"    | 300 | 838             | 838    | 1500   | 1550 | 600  | 600  | 980            | 1029               |
| 14"    | 350 | 889             | 889    | 1660   | 1670 | 720  | 600  | 1240           | 1289               |
| 16"    | 400 | 991             | 991    | 1885   | 1940 | 720  | 800  | 1540           | 1638               |
| 18"    | 450 | 1092            | 1092   | 2040   | 2090 | 800  | 800  | 2250           | 2348               |
| 20"    | 500 | 1194            | 1194   | 2230   | 2280 | 1000 | 800  | 2700           | 2990               |
| 22"    | 550 | 1295            | 1295   | 2415   | 2470 | 1000 | 800  | 3200           | 3490               |
| 24"    | 600 | 1397            | 1397   | 2640   | 2690 | 1000 | 800  | 3800           | 4090               |

For Face-to-Face dimension L (RTJ), add +3 mm from size 2" up to 18"  
 add +6 mm for size 20", add +10 mm for sizes 22" and 24"