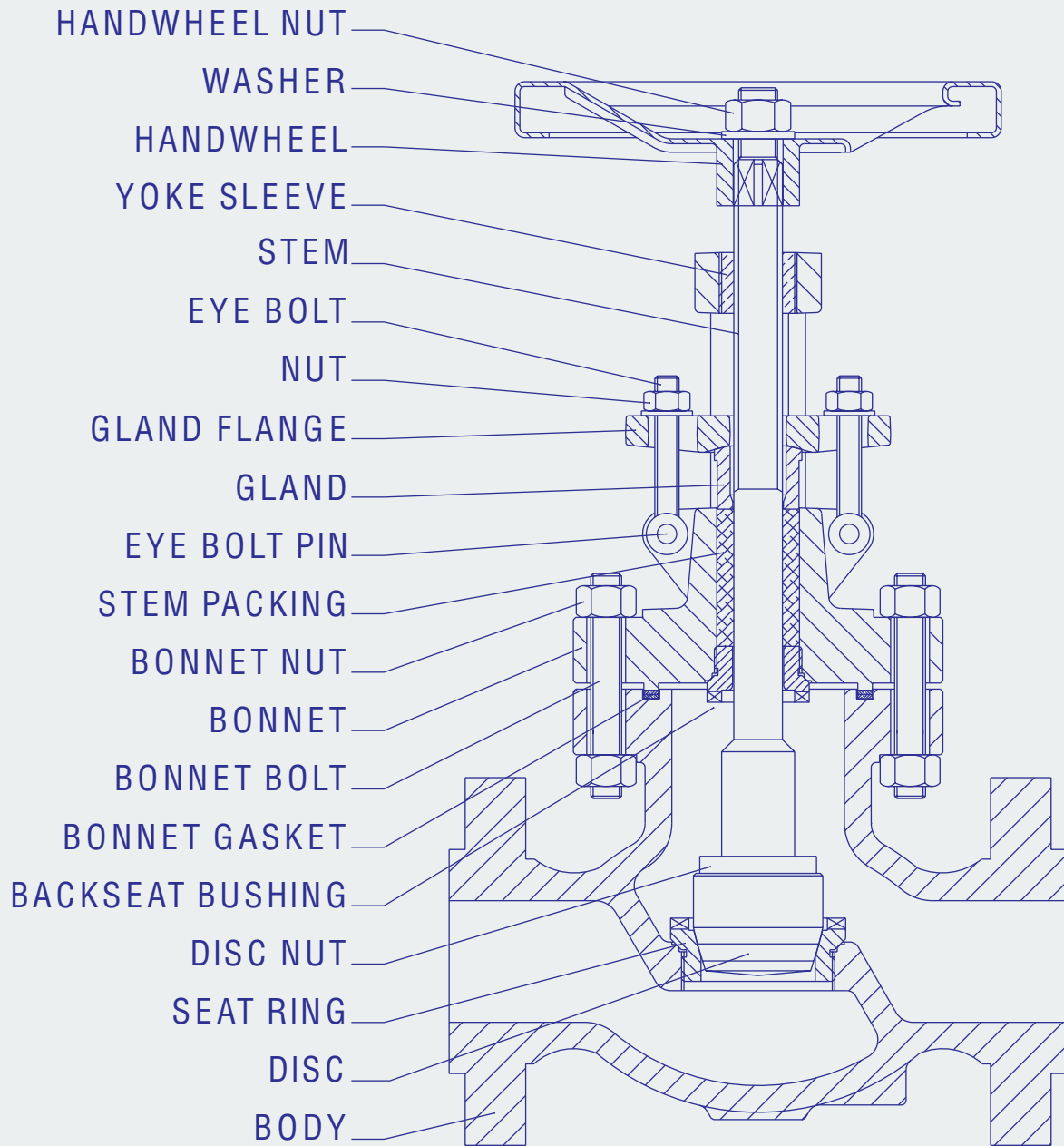
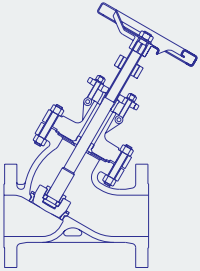
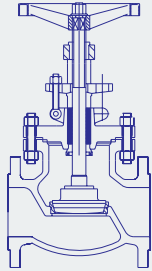
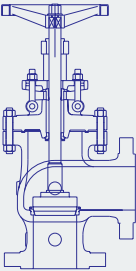
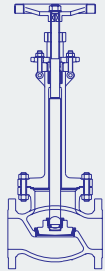
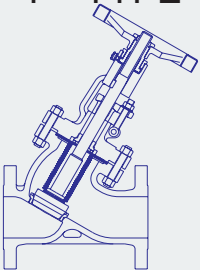
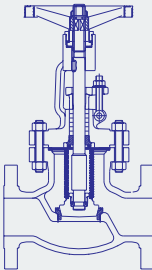
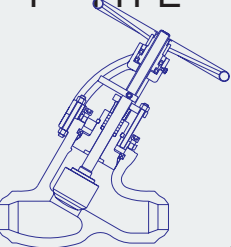
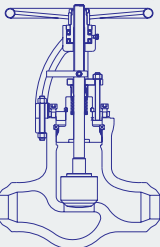
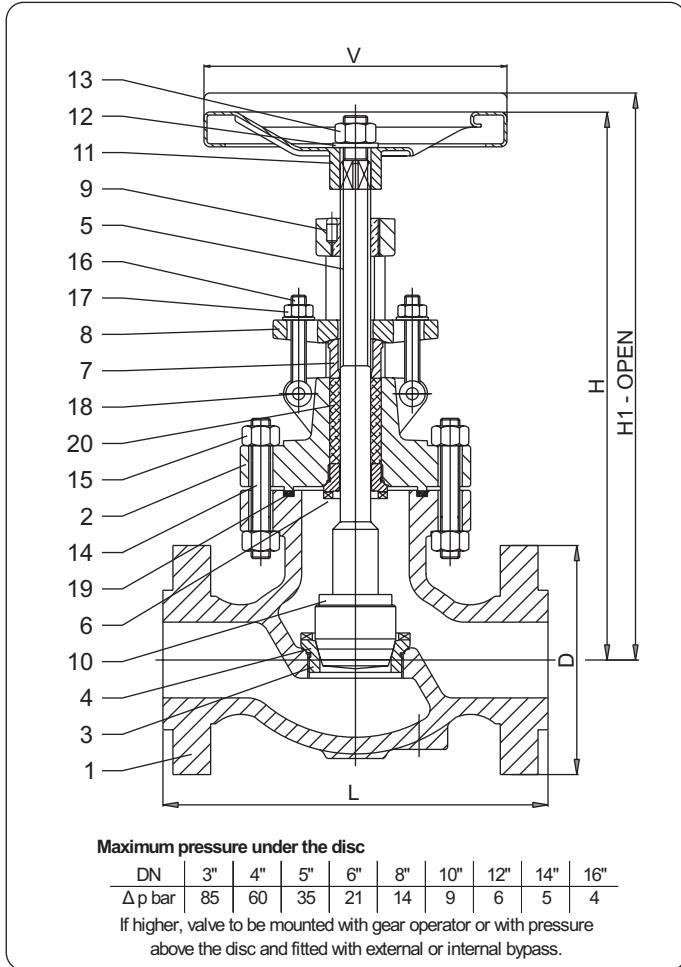


## DESCRIPTION OF A TYPICAL GLOBE VALVE



| TYPE  | CLASS | SIZES    | FIG. N.       | TYPE  | CLASS | SIZES    | FIG. N.      |
|---|-------|----------|---------------|---|-------|----------|--------------|
| <b>GLOBE VALVES<br/>'Y' TYPE</b><br><br>                     | 150   | 2" - 16" | <b>460Y</b>   | <b>GLOBE VALVES<br/>BOLTED BONNET</b><br><br>   | 150   | 2" - 16" | <b>460</b>   |
|   | 300   | 2" - 16" | <b>461Y</b>   |   | 300   | 2" - 16" | <b>461</b>   |
|   | 600   | 2" - 16" | <b>462Y</b>   |   | 600   | 2" - 16" | <b>462</b>   |
|   | 900   | 2" - 12" | <b>463Y</b>   |   | 900   | 2" - 12" | <b>463</b>   |
|   | 1500  | 2" - 12" | <b>464Y</b>   |   | 1500  | 2" - 12" | <b>464</b>   |
| <b>page 22</b>  |       |          |               | <b>page 20</b>  |       |          |              |
| <b>GLOBE VALVES<br/>ANGLE 90°</b><br><br>                   | 150   | 2" - 16" | <b>460A</b>   | <b>GLOBE VALVES<br/>CRYOGENIC</b><br><br>      | 150   | 2" - 16" | <b>460EB</b> |
|   | 300   | 2" - 16" | <b>461A</b>   |   | 300   | 2" - 16" | <b>461EB</b> |
|   | 600   | 2" - 16" | <b>462A</b>   |   | 600   | 2" - 16" | <b>462EB</b> |
|   | 900   | 2" - 12" | <b>463A</b>   |   | 900   | 2" - 12" | <b>463EB</b> |
|   | 1500  | 2" - 12" | <b>464A</b>   |   | 1500  | 2" - 12" | <b>464EB</b> |
| <b>page 24</b>  |       |          |               | <b>page 26</b>  |       |          |              |
| <b>GLOBE VALVES<br/>BELLOW SEAL<br/>'Y' TYPE</b><br><br>   | 150   | 2" - 16" | <b>460YSO</b> | <b>GLOBE VALVES<br/>BELLOW SEAL</b><br><br>   | 150   | 2" - 16" | <b>460SO</b> |
|   | 300   | 2" - 16" | <b>461YSO</b> |   | 300   | 2" - 16" | <b>461SO</b> |
|   | 600   | 2" - 16" | <b>462YSO</b> |   | 600   | 2" - 16" | <b>462SO</b> |
|   | 900   | 2" - 12" | <b>463YSO</b> |   | 900   | 2" - 12" | <b>463SO</b> |
|   | 1500  | 2" - 12" | <b>464YSO</b> |   | 1500  | 2" - 12" | <b>464SO</b> |
| <b>page 30</b>  |       |          |               | <b>page 28</b>  |       |          |              |
| <b>GLOBE VALVES<br/>PRESSURE SEAL<br/>'Y' TYPE</b><br><br> | 600   | 2" - 16" | <b>P82</b>    | <b>GLOBE VALVES<br/>PRESSURE SEAL</b><br><br> | 600   | 2" - 16" | <b>P62</b>   |
|   | 900   | 2" - 16" | <b>P83</b>    |   | 900   | 2" - 16" | <b>P63</b>   |
|   | 1500  | 2" - 12" | <b>P84</b>    |   | 1500  | 2" - 12" | <b>P64</b>   |
|   | 2500  | 2" - 12" | <b>P85</b>    |   | 2500  | 2" - 12" | <b>P65</b>   |
| <b>page 34</b>  |       |          |               | <b>page 32</b>  |       |          |              |

*standard features*



- **Description** BOLTED BONNET  
OUTSIDE SCREW AND YOKE  
RISING STEM  
RISING HANDWHEEL  
SWIVEL PLUG DISC  
RENEWABLE SEATS
- **Design** BS 1873  
ASME B16.34  
WALL THICKNESS TO API 600
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 – 3.1 B

| PART NAME                  | W46x        | L46x        | M46x     | C46x     | B46x     | E46x                                       | D46x        | F46x        | H46x        |
|----------------------------|-------------|-------------|----------|----------|----------|--|-------------|-------------|-------------|
| <b>1 Body</b>              | WCB         | LCB         | WC6      | C5       | C12      | CF8  | CF8C        | CF8M        | CF3M        |
| <b>2 Bonnet</b>            | WCB         | LCB         | WC6      | C5       | C12      | CF8  | CF8C        | CF8M        | CF3M        |
| <b>3 Seat ring surface</b> | F6A (1)     | F6A (1)     | F6A (1)  | F6A (1)  | F6A (1)  | F304 (1)                                   | F321 (1)    | F316 (1)    | F316L (1)   |
| <b>4 Disc seat surface</b> | F6A (2)     | F6A (2)     | F6A (2)  | F6A (2)  | F6A (2)  | F304 (2)                                   | F321 (2)    | F316 (2)    | F316L (2)   |
| <b>5 Stem</b>              | F6A (3)     | F6A (3)     | F6A (3)  | F6A (3)  | F6A (3)  | F304 (3)                                   | F321 (3)    | F316 (3)    | F316L (3)   |
| <b>6 Back seat</b>         | F6A         | F6A         | F6A      | F6A      | F6A      | F304                                       | F321        | F316        | F316L       |
| <b>7 Gland</b>             | F6A         | F6A         | F6A      | F6A      | F6A      | F304                                       | F321        | F316        | F316L       |
| <b>8 Gland flange</b>      | A105        | F316        | F316     | F316     | F316     | F316                                       | F316        | F316        | F316L       |
| <b>9 Yoke sleeve</b>       | B148 9A (4) | B148 9A (4) | Nod.Iron | Nod.Iron | Nod.Iron | B148 9A (4)                                | B148 9A (4) | B148 9A (4) | B148 9A (4) |
| <b>10 Disc nut</b>         | F6A         | F6A         | F6A      | F6A      | F6A      | F304                                       | F321        | F316        | F316L       |
| <b>11 Handwheel</b>        |             |             |          |          |          | Steel                                      |             |             |             |
| <b>12 Plate</b>            |             |             |          |          |          | A105                                       |             |             |             |
| <b>13 Handwheel nut</b>    |             |             |          |          |          | A105                                       |             |             |             |
| <b>14 Bolts</b>            | B7          | L7          | B16      | B16      | B16      | B8   | B8          | B8          | B8          |
| <b>15 Nuts</b>             | 2H          | G4          | G4       | G4       | G4       | G8   | G8          | G8          | G8          |
| <b>16 Eye bolts</b>        | B7          | B7          | B8       | B8       | B8       | B8   | B8          | B8          | B8          |
| <b>17 Nuts</b>             | 2H          | 2H          | 2H       | 2H       | 2H       | G8   | G8          | G8          | G8          |
| <b>18 Eye bolt pin</b>     | B7          | B7          | B7       | B7       | B7       | B8   | B8          | B8          | B8          |
| <b>19 Gasket</b>           |             |             |          |          |          | S.S spiral wound reinf. graphite / RTJ (5) |             |             |             |
| <b>20 Packing</b>          |             |             |          |          |          | Graphite rings & wiper rings (6)           |             |             |             |

(1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (3) On request: 17 Cr - Monel® - Hastelloy® - other materials

(4) On request: Nodular Iron - Nitronic 60  
 (5) On request: PTFE - other materials  
 (6) On request: PTFE - other materials

All data, subject to technical changes, are only for information and not for official use.

# GLOBE VALVES

## ASME 150 - 300 - 600 - 900 - 1500

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. 460 - GLOBE VALVES ASME CLASS 150**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"  | 8"    | 10"   | 12"   | 14"   | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|--------|----|----|----|----|
| L RF/BW | 203 | 216 | 241 | 292 | 356 | 406 | 495   | 622   | 699   | 787   | 914    | -- | -- | -- | -- |
| L RTJ   | 216 | 219 | 254 | 305 | 368 | 419 | 508   | 635   | 711   | 800   | 927    | -- | -- | -- | -- |
| D       | 152 | 178 | 191 | 229 | 254 | 279 | 343   | 406   | 483   | 533   | 597    |    |    |    |    |
| V       | 200 | 200 | 225 | 250 | 300 | 300 | 500 * | 700 * | 700 * | 800 * | 1000 * | -- | -- | -- | -- |
| H       | 320 | 350 | 380 | 430 | 480 | 560 | 680   | 750   | 860   | 910   | 1240   | -- | -- | -- | -- |
| H1      | 335 | 370 | 404 | 460 | 518 | 605 | 740   | 825   | 950   | 1025  | 1375   | -- | -- | -- | -- |

**FIG. N. 461 - GLOBE VALVES ASME CLASS 300**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"    | 8"    | 10"   | 12"   | 14"   | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|--------|----|----|----|----|
| L RF/BW | 267 | 292 | 318 | 356 | 400 | 445   | 559   | 622   | 711   | 838   | 864    | -- | -- | -- | -- |
| L RTJ   | 282 | 308 | 333 | 371 | 416 | 460   | 575   | 638   | 727   | 854   | 879    | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 254 | 279 | 318   | 381   | 445   | 521   | 584   | 648    | -- | -- | -- | -- |
| V       | 200 | 225 | 225 | 300 | 300 | 500 * | 600 * | 700 * | 700 * | 800 * | 1000 * | -- | -- | -- | -- |
| H       | 390 | 400 | 410 | 440 | 570 | 680   | 800   | 850   | 1010  | 1150  | 1380   | -- | -- | -- | -- |
| H1      | 405 | 420 | 434 | 470 | 608 | 725   | 860   | 925   | 1100  | 1255  | 1515   | -- | -- | -- | -- |

**FIG. N. 462 - GLOBE VALVES ASME CLASS 600**

| SIZE    | 2"  | 2½" | 3"  | 4"    | 5"    | 6"    | 8"     | 10"    | 12"    | 14"    | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-------|-------|-------|--------|--------|--------|--------|--------|----|----|----|----|
| L RF/BW | 292 | 330 | 356 | 432   | 508   | 559   | 660    | 787    | 838    | 889    | 991    | -- | -- | -- | -- |
| L RTJ   | 295 | 333 | 359 | 435   | 511   | 562   | 663    | 790    | 841    | 892    | 994    | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 273   | 330   | 356   | 419    | 508    | 559    | 603    | 686    | -- | -- | -- | -- |
| V       | 200 | 250 | 250 | 400 * | 500 * | 700 * | 1000 * | 1000 * | 1000 * | 1000 * | 1000 * | -- | -- | -- | -- |
| H       | 350 | 515 | 545 | 600   | 686   | 780   | 840    | 1235   | 1311   | 1430   | 1670   | -- | -- | -- | -- |
| H1      | 365 | 535 | 569 | 630   | 724   | 825   | 900    | 1310   | 1401   | 1552   | 1805   | -- | -- | -- | -- |

**FIG. N. 463 - GLOBE VALVES ASME CLASS 900**

| SIZE    | 2"  | 2½"   | 3"    | 4"    | 5"    | 6"     | 8"     | 10"    | 12"    |
|---------|-----|-------|-------|-------|-------|--------|--------|--------|--------|
| L RF/BW | 368 | 419   | 381   | 457   | 559   | 610    | 737    | 838    | 965    |
| L RTJ   | 371 | 422   | 384   | 460   | 562   | 613    | 740    | 842    | 968    |
| D       | 216 | 244   | 241   | 292   | 349   | 381    | 470    | 546    | 610    |
| V       | 400 | 400 * | 500 * | 600 * | 700 * | 1000 * | 1000 * | 1000 * | 1000 * |
| H       | 575 | 690   | 590   | 720   | 870   | 973    | 1140   | 1500   | 1680   |
| H1      | 590 | 710   | 614   | 750   | 908   | 1018   | 1200   | 1575   | 1770   |

**FIG. N. 464 - GLOBE VALVES ASME CLASS 1500**

| SIZE    | 2"    | 2½"   | 3"    | 4"    | 5"    | 6"    | 8"     | 10"    | 12"    |
|---------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| L RF/BW | 368   | 419   | 470   | 546   | 673   | 705   | 832    | 991    | 1130   |
| L RTJ   | 371   | 422   | 473   | 549   | 676   | 711   | 842    | 1000   | 1146   |
| D       | 216   | 244   | 267   | 311   | 375   | 394   | 483    | 584    | 673    |
| V       | 400 * | 400 * | 500 * | 700 * | 700 * | 900 * | 1000 * | 1000 * | 1000 * |
| H       | 575   | 690   | 770   | 840   | 902   | 973   | 1043   | 1670   | 1750   |
| H1      | 590   | 710   | 794   | 870   | 940   | 1018  | 1103   | 1745   | 1860   |

\* Gear operator recommended

*features on request*

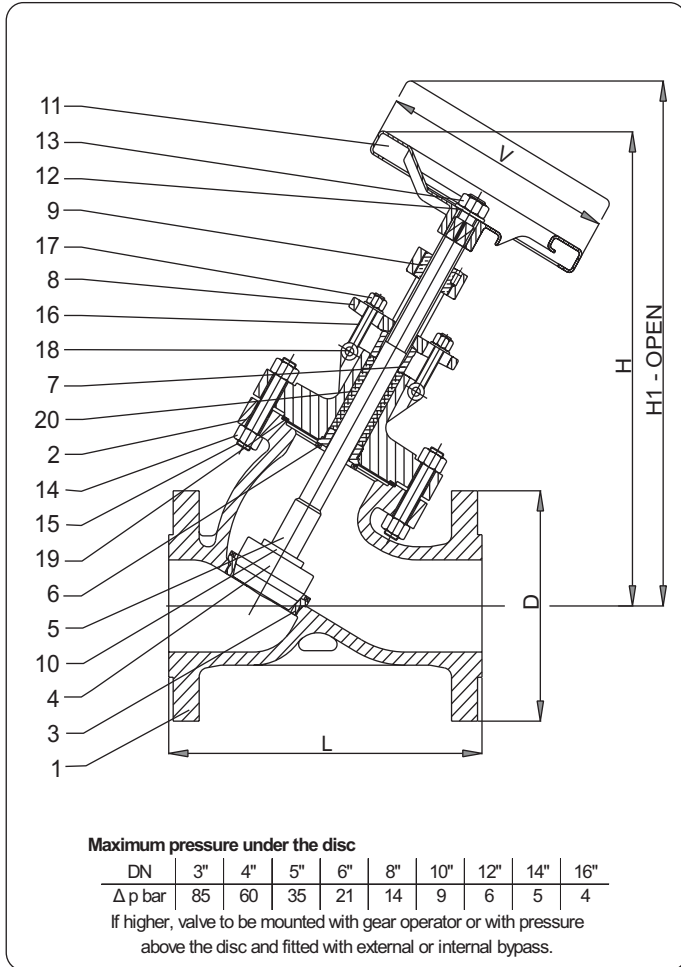
- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- DISC WITH PTFE INSERT
- PARABOLIC DISC
- STOP CHECK DISC
- STEM PROTECTION
- STEM EXTENSION
- LANTERN RING
- EXTENDED STUFFING BOX
- LIVE LOADED PACKING
- DRAIN PLUG
- BY PASS
- BW ENDS
- DIN CONNECTIONS

All dimensions in mm (except where differently indicated)

All data, subject to technical changes, are only for information and not for official use.

VALVOSIDER s.r.l. - Via S. Rocco, 2 - P.O. BOX 76 - 13011 Borgosesia (VC) - Italy  
Phone: +39016322991 - Fax: +39016321537 - www.valvosider.com - e-mail: valvo@valvosider.com

*standard features*



- **Description** BOLTED BONNET  
OUTSIDE SCREW AND YOKE  
RISING STEM  
RISING HANDWHEEL  
SWIVEL PLUG DISC  
RENEWABLE SEATS
- **Design** BS 1873  
ASME B16.34  
WALL THICKNESS TO API 600
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 – 3.1 B

| PART NAME           | W46xY       | L46xY       | M46xY    | C46xY    | B46xY                                       | E46xY       | D46xY       | F46xY       | H46xY       |
|---------------------|-------------|-------------|----------|----------|---|-------------|-------------|-------------|-------------|
| 1 Body              | WCB         | LCB         | WC6      | C5       | C12   | CF8         | CF8C        | CF8M        | CF3M        |
| 2 Bonnet            | WCB         | LCB         | WC6      | C5       | C12   | CF8         | CF8C        | CF8M        | CF3M        |
| 3 Seat ring surface | F6A (1)     | F6A (1)     | F6A (1)  | F6A (1)  | F6A (1)                                     | F304 (1)    | F321 (1)    | F316 (1)    | F316L (1)   |
| 4 Disc seat surface | F6A (2)     | F6A (2)     | F6A (2)  | F6A (2)  | F6A (2)                                     | F304 (2)    | F321 (2)    | F316 (2)    | F316L (2)   |
| 5 Stem              | F6A (3)     | F6A (3)     | F6A (3)  | F6A (3)  | F6A (3)                                     | F304 (3)    | F321 (3)    | F316 (3)    | F316L (3)   |
| 6 Back seat         | F6A         | F6A         | F6A      | F6A      | F6A   | F304        | F321        | F316        | F316        |
| 7 Gland             | F6A         | F6A         | F6A      | F6A      | F6A   | F304        | F321        | F316        | F316        |
| 8 Gland flange      | A105        | F316        | F316     | F316     | F316  | F316        | F316        | F316        | F316        |
| 9 Yoke sleeve       | B148 9A (4) | B148 9A (4) | Nod.Iron | Nod.Iron | Nod.Iron                                    | B148 9A (4) | B148 9A (4) | B148 9A (4) | B148 9A (4) |
| 10 Disc nut         | F6A         | F6A         | F6A      | F6A      | F6A   | F304        | F321        | F316        | F316L       |
| 11 Handwheel        |             |             |          |          | Steel                                       |             |             |             |             |
| 12 Plate            |             |             |          |          | A105  |             |             |             |             |
| 13 Handwheel nut    |             |             |          |          | A105  |             |             |             | B8          |
| 14 Bolts            | B7          | L7          | B16      | B16      | B16   | B8          | B8          | B8          | B8          |
| 15 Nuts             | 2H          | G4          | G4       | G4       | G4  | G8          | G8          | G8          | G8          |
| 16 Eye bolts        | B7          | B7          | B8       | B8       | B8  | B8          | B8          | B8          | B8          |
| 17 Nuts             | 2H          | 2H          | 2H       | 2H       | 2H  | G8          | G8          | G8          | G8          |
| 18 Eye bolt pin     | B7          | B7          | B7       | B7       | B7  | B8          | B8          | B8          | B8          |
| 19 Gasket (5)       |             |             |          |          | S.S. spiral wound reinf. graphite / RTJ (5) |             |             |             |             |
| 20 Packing (6)      |             |             |          |          | Graphite rings & wiper rings (6)            |             |             |             |             |

(1) On request: faced with Stellite® - MoneI® - Hastelloy® - other materials  
 (2) On request: faced with Stellite® - MoneI® - Hastelloy® - other materials  
 (3) On request: 17 Cr - MoneI® - Hastelloy® - other materials

(4) On request: Nodular Iron - Nitronic 60  
 (5) On request: PTFE - other materials  
 (6) On request: PTFE - other materials

All data, subject to technical changes, are only for information and not for official use.

# GLOBE VALVES - 'Y' TYPE

## ASME 150 - 300 - 600 - 900 - 1500

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. 460Y - GLOBE VALVES - 'Y' TYPE ASME CLASS 150**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"  | 8"    | 10"   | 12"   | 14"   | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|--------|----|----|----|----|
| L RF/BW | 203 | 216 | 241 | 292 | 356 | 406 | 495   | 622   | 699   | 787   | 914    | -- | -- | -- | -- |
| L RTJ   | 216 | 219 | 254 | 305 | 368 | 419 | 508   | 635   | 711   | 800   | 927    | -- | -- | -- | -- |
| D       | 152 | 178 | 191 | 229 | 254 | 279 | 343   | 406   | 483   | 533   | 597    | -- | -- | -- | -- |
| V       | 200 | 200 | 225 | 250 | 300 | 300 | 500 * | 700 * | 700 * | 800 * | 1000 * | -- | -- | -- | -- |
| H       | 320 | 350 | 380 | 440 | 480 | 560 | 680   | 750   | 860   | 930   | 1250   | -- | -- | -- | -- |
| H1      | 380 | 430 | 470 | 550 | 615 | 720 | 890   | 1010  | 1170  | 1040  | 1380   | -- | -- | -- | -- |

**FIG. N. 461Y - GLOBE VALVES - 'Y' TYPE ASME CLASS 300**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"    | 8"    | 10"   | 12"   | 14"   | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|--------|----|----|----|----|
| L RF/BW | 267 | 292 | 318 | 356 | 400 | 445   | 559   | 622   | 711   | 838   | 864    | -- | -- | -- | -- |
| L RTJ   | 282 | 308 | 333 | 371 | 416 | 460   | 575   | 638   | 727   | 854   | 879    | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 254 | 279 | 318   | 381   | 445   | 521   | 584   | 648    | -- | -- | -- | -- |
| V       | 200 | 225 | 225 | 300 | 300 | 500 * | 600 * | 700 * | 700 * | 800 * | 1000 * | -- | -- | -- | -- |
| H       | 390 | 400 | 410 | 430 | 570 | 680   | 800   | 850   | 1010  | 1150  | 1390   | -- | -- | -- | -- |
| H1      | 410 | 420 | 435 | 520 | 615 | 735   | 860   | 930   | 1110  | 1270  | 1512   | -- | -- | -- | -- |

**FIG. N. 462Y - GLOBE VALVES - 'Y' TYPE ASME CLASS 600**

| SIZE    | 2"  | 2½" | 3"  | 4"    | 5"    | 6"    | 8"     | 10"    | 12"    | 14"    | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-------|-------|-------|--------|--------|--------|--------|--------|----|----|----|----|
| L RF/BW | 292 | 330 | 356 | 432   | 508   | 559   | 660    | 787    | 838    | 889    | 991    | -- | -- | -- | -- |
| L RTJ   | 295 | 333 | 359 | 435   | 511   | 562   | 663    | 790    | 841    | 892    | 994    | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 273   | 330   | 356   | 419    | 508    | 559    | 603    | 686    | -- | -- | -- | -- |
| V       | 200 | 250 | 250 | 400 * | 500 * | 700 * | 1000 * | 1000 * | 1000 * | 1000 * | 1000 * | -- | -- | -- | -- |
| H       | 350 | 515 | 545 | 600   | 686   | 780   | 840    | 1235   | 1311   | 1430   | 1660   | -- | -- | -- | -- |
| H1      | 370 | 535 | 570 | 630   | 726   | 830   | 910    | 1315   | 1411   | 1550   | 1800   | -- | -- | -- | -- |

**FIG. N. 463Y - GLOBE VALVES - 'Y' TYPE ASME CLASS 900**

| SIZE    | 2"  | 2½"   | 3"    | 4"    | 5"    | 6"     | 8"     | 10"    | 12"    |
|---------|-----|-------|-------|-------|-------|--------|--------|--------|--------|
| L RF/BW | 368 | 419   | 381   | 457   | 559   | 610    | 737    | 838    | 965    |
| L RTJ   | 371 | 422   | 384   | 460   | 562   | 613    | 740    | 842    | 968    |
| D       | 216 | 244   | 241   | 292   | 349   | 381    | 470    | 546    | 610    |
| V       | 400 | 400 * | 500 * | 600 * | 700 * | 1000 * | 1000 * | 1000 * | 1000 * |
| H       | 575 | 690   | 590   | 720   | 870   | 973    | 1140   | 1500   | 1680   |
| H1      | 605 | 730   | 634   | 780   | 928   | 1045   | 1230   | 1615   | 1810   |

**FIG. N. 464Y - GLOBE VALVES - 'Y' TYPE ASME CLASS 1500**

| SIZE    | 2"    | 2½"   | 3"    | 4"    | 5"    | 6"    | 8"     | 10"    | 12"    |
|---------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| L RF/BW | 368   | 419   | 470   | 546   | 673   | 705   | 832    | 991    | 1130   |
| L RTJ   | 371   | 422   | 473   | 549   | 676   | 711   | 842    | 1000   | 1146   |
| D       | 216   | 244   | 267   | 311   | 375   | 394   | 483    | 584    | 673    |
| V       | 400 * | 400 * | 500 * | 700 * | 700 * | 900 * | 1000 * | 1000 * | 1000 * |
| H       | 575   | 690   | 770   | 840   | 902   | 973   | 1043   | 1670   | 1750   |
| H1      | 615   | 740   | 826   | 915   | 980   | 1080  | 1190   | 1760   | 1855   |

\* Gear operator recommended

*features on request*

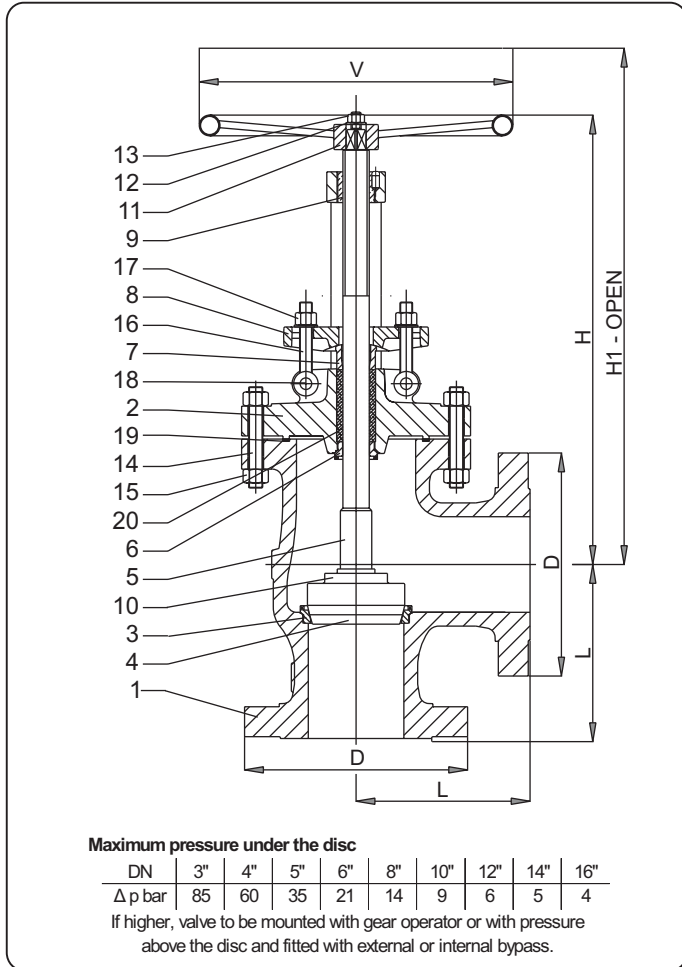
- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- DISC WITH PTFE INSERT
- PARABOLIC DISC
- STOP CHECK DISC
- STEM PROTECTION
- STEM EXTENSION
- LANTERN RING
- EXTENDED STUFFING BOX
- LIVE LOADED PACKING
- DRAIN PLUG
- BY PASS
- BW ENDS
- DIN CONNECTIONS

All dimensions in mm (except where differently indicated)

All data, subject to technical changes, are only for information and not for official use.

VALVOSIDER s.r.l. - Via S. Rocco, 2 - P.O. BOX 76 - 13011 Borgosesia (VC) - Italy  
Phone: +39016322991 - Fax: +39016321537 - www.valvosider.com - e-mail: valvo@valvosider.com

*standard features*



- **Description** BOLTED BONNET  
OUTSIDE SCREW AND YOKE  
RISING STEM  
RISING HANDWHEEL  
SWIVEL PLUG DISC  
RENEWABLE SEATS
- **Design** BS 1873  
ASME B16.34  
WALL THICKNESS TO API 600
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 – 3.1 B

| PART NAME                  | W46xA       | L46xA       | M46xA    | C46xA    | B46xA    | E46xA       | D46xA       | F46xA       | H46xA       |
|----------------------------|-------------|-------------|----------|----------|----------|-------------|-------------|-------------|-------------|
| <b>1 Body</b>              | WCB         | LCB         | WC6      | C5       | C12      | CF8         | CF8C        | CF8M        | CF3M        |
| <b>2 Bonnet</b>            | WCB         | LCB         | WC6      | C5       | C12      | CF8         | CF8C        | CF8M        | CF3M        |
| <b>3 Seat ring surface</b> | F6A (1)     | F6A (1)     | F6A (1)  | F6A (1)  | F6A (1)  | F304 (1)    | F321 (1)    | F316 (1)    | F316L (1)   |
| <b>4 Disc seat surface</b> | F6A (2)     | F6A (2)     | F6A (2)  | F6A (2)  | F6A (2)  | F304 (2)    | F321 (2)    | F316 (2)    | F316L (2)   |
| <b>5 Stem</b>              | F6A (3)     | F6A (3)     | F6A (3)  | F6A (3)  | F6A (3)  | F304 (3)    | F321 (3)    | F316 (3)    | F316L (3)   |
| <b>6 Back seat</b>         | F6A         | F6A         | F6A      | F6A      | F6A      | F304        | F321        | F316        | F316L       |
| <b>7 Gland</b>             | F6A         | F6A         | F6A      | F6A      | F6A      | F304        | F321        | F316        | F316L       |
| <b>8 Gland flange</b>      | A105        | F316        | F316     | F316     | F316     | F316        | F316        | F316        | F316L       |
| <b>9 Yoke sleeve</b>       | B148 9A (4) | B148 9A (4) | Nod.Iron | Nod.Iron | Nod.Iron | B148 9A (4) | B148 9A (4) | B148 9A (4) | B148 9A (4) |
| <b>10 Disc nut</b>         | F6A         | F6A         | F6A      | F6A      | F6A      | F304        | F321        | F316        | F316L       |
| <b>11 Handwheel</b>        |             |             |          |          | Steel    |             |             |             |             |
| <b>12 Plate</b>            |             |             |          |          | A105     |             |             |             |             |
| <b>13 Handwheel nut</b>    |             |             |          |          | A105     |             |             |             |             |
| <b>14 Bolts</b>            | B7          | L7          | B16      | B16      | B16      | B8          | B8          | B8          | B8          |
| <b>15 Nuts</b>             | 2H          | G4          | G4       | G4       | G4       | G8          | G8          | G8          | G8          |
| <b>16 Eye bolts</b>        | B7          | B7          | B8       | B8       | B8       | B8          | B8          | B8          | B8          |
| <b>17 Nuts</b>             | 2H          | 2H          | 2H       | 2H       | 2H       | G8          | G8          | G8          | G8          |
| <b>18 Eye bolt pin</b>     | B7          | B7          | B7       | B7       | B7       | B8          | B8          | B8          | B8          |
| <b>19 Gasket</b>           |             |             |          |          |          |             |             |             |             |
| <b>20 Packing</b>          |             |             |          |          |          |             |             |             |             |

(1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (3) On request: 17 Cr - Monel® - Hastelloy® - other materials

(4) On request: Nodular Iron - Nitronic 60  
 (5) On request: PTFE - other materials  
 (6) On request: PTFE - other materials

All data, subject to technical changes, are only for information and not for official use.



# GLOBE VALVES - ANGLE TYPE

## ASME 150 - 300 - 600 - 900 - 1500

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. 460A - GLOBE VALVES - ANGLE TYPE ASME CLASS 150**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"  | 8"    | 10"   | 12"   | 14"   | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|--------|----|----|----|----|
| L RF/BW | 102 | 108 | 121 | 146 | 178 | 203 | 248   | 311   | 349   | 394   | 457    | -- | -- | -- | -- |
| L RTJ   | 114 | 121 | 133 | 159 | 191 | 216 | 260   | 324   | 362   | 406   | 470    | -- | -- | -- | -- |
| D       | 152 | 178 | 191 | 229 | 254 | 279 | 343   | 406   | 483   | 533   | 597    | -- | -- | -- | -- |
| V       | 200 | 200 | 225 | 250 | 300 | 300 | 500 * | 700 * | 700 * | 800 * | 1000 * | -- | -- | -- | -- |
| H       | 384 | 420 | 456 | 516 | 576 | 672 | 816   | 900   | 1032  | 1092  | 1488   | -- | -- | -- | -- |
| H1      | 399 | 440 | 480 | 546 | 614 | 717 | 876   | 975   | 1122  | 1197  | 1608   | -- | -- | -- | -- |

**FIG. N. 461A - GLOBE VALVES - ANGLE TYPE ASME CLASS 300**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"    | 8"    | 10"   | 12"   | 14"   | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|--------|----|----|----|----|
| L RF/BW | 133 | 146 | 159 | 178 | 200 | 222   | 279   | 311   | 356   | (419) | (432)  | -- | -- | -- | -- |
| L RTJ   | 149 | 162 | 174 | 194 | 216 | 238   | 287   | 327   | 371   | (427) | (440)  | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 254 | 279 | 318   | 381   | 445   | 521   | 584   | 648    | -- | -- | -- | -- |
| V       | 200 | 225 | 225 | 300 | 300 | 500 * | 600 * | 700 * | 700 * | 800 * | 1000 * | -- | -- | -- | -- |
| H       | 468 | 480 | 492 | 528 | 684 | 816   | 960   | 1020  | 1212  | 1380  | 1656   | -- | -- | -- | -- |
| H1      | 483 | 500 | 516 | 558 | 722 | 861   | 1020  | 1095  | 1302  | 1485  | 1776   | -- | -- | -- | -- |

**FIG. N. 462A - GLOBE VALVES - ANGLE TYPE ASME CLASS 600**

| SIZE    | 2"  | 2½" | 3"  | 4"    | 5"    | 6"    | 8"     | 10"    | 12"    | 14"    | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-------|-------|-------|--------|--------|--------|--------|--------|----|----|----|----|
| L RF/BW | 146 | 165 | 178 | 216   | 254   | 279   | 330    | 394    | 419    | (444)  | (496)  | -- | -- | -- | -- |
| L RTJ   | 149 | 168 | 181 | 219   | 257   | 282   | 333    | 397    | 422    | (496)  | (497)  | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 273   | 330   | 356   | 419    | 508    | 559    | 603    | 686    | -- | -- | -- | -- |
| V       | 200 | 250 | 250 | 400 * | 500 * | 700 * | 1000 * | 1000 * | 1000 * | 1000 * | 1000 * | -- | -- | -- | -- |
| H       | 420 | 618 | 654 | 720   | 823   | 936   | 1008   | 1482   | 1573   | 1716   | 2004   | -- | -- | -- | -- |
| H1      | 435 | 638 | 678 | 750   | 861   | 981   | 1068   | 1557   | 1663   | 1821   | 2124   | -- | -- | -- | -- |

**FIG. N. 463A - GLOBE VALVES - ANGLE TYPE ASME CLASS 900**

| SIZE    | 2"  | 2½" | 3"    | 4"    | 5"    | 6"     | 8"     | 10"    | 12"    |
|---------|-----|-----|-------|-------|-------|--------|--------|--------|--------|
| L RF/BW | 184 | 210 | 191   | 229   | 279   | 305    | 368    | 419    | 483    |
| L RTJ   | 187 | 213 | 194   | 232   | 282   | 308    | 371    | 422    | 486    |
| D       | 216 | 244 | 241   | 292   | 349   | 381    | 470    | 546    | 610    |
| V       | 400 | 400 | 500 * | 600 * | 700 * | 1000 * | 1000 * | 1000 * | 1000 * |
| H       | 690 | 828 | 708   | 864   | 1044  | 1168   | 1368   | 1800   | 2016   |
| H1      | 705 | 848 | 732   | 894   | 1082  | 1213   | 1428   | 1875   | 2106   |

**FIG. N. 464A - GLOBE VALVES - ANGLE TYPE ASME CLASS 1500**

| SIZE    | 2"    | 2½"   | 3"    | 4"    | 5"    | 6"    | 8"     | 10"    | 12"    |
|---------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| L RF/BW | 216   | 254   | 305   | 406   | 483   | 559   | 711    | 864    | 991    |
| L RTJ   | 219   | 257   | 308   | 409   | 486   | 565   | 721    | 873    | 1006   |
| D       | 216   | 244   | 267   | 311   | 375   | 394   | 483    | 584    | 673    |
| V       | 400 * | 400 * | 500 * | 700 * | 700 * | 900 * | 1000 * | 1000 * | 1000 * |
| H       | 690   | 828   | 924   | 1008  | 1082  | 1168  | 1252   | 2004   | 2100   |
| H1      | 705   | 848   | 948   | 1038  | 1120  | 1213  | 1312   | 2079   | 2190   |

\* Gear operator recommended

*features on request*

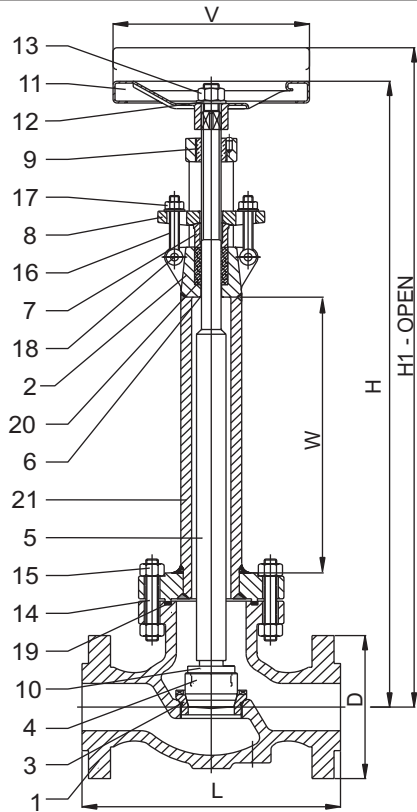
- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- DISC WITH PTFE INSERT
- PARABOLIC DISC
- STOP CHECK DISC
- STEM PROTECTION
- STEM EXTENSION
- LANTERN RING
- EXTENDED STUFFING BOX
- LIVE LOADED PACKING
- DRAIN PLUG
- BY PASS
- BW ENDS
- DIN CONNECTIONS

All dimensions in mm (except where differently indicated)

All data, subject to technical changes, are only for information and not for official use.

VALVOSIDER s.r.l. - Via S. Rocco, 2 - P.O. BOX 76 - 13011 Borgosesia (VC) - Italy  
Phone: +39016322991 - Fax: +39016321537 - www.valvosider.com - e-mail: valvo@valvosider.com





Maximum pressure under the disc

| DN             | 3" | 4" | 5" | 6" | 8" | 10" | 12" | 14" | 16" |
|----------------|----|----|----|----|----|-----|-----|-----|-----|
| $\Delta p$ bar | 85 | 60 | 35 | 21 | 14 | 9   | 6   | 5   | 4   |

If higher, valve to be mounted with gear operator or with pressure above the disc and fitted with external or internal bypass.

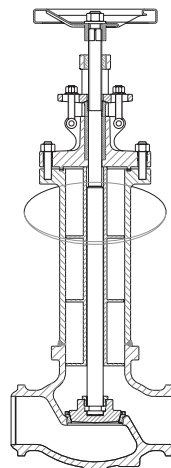
*standard features*

- **Description** BOLTED BONNET  
EXTENDED BONNET  
OUTSIDE SCREW AND YOKE  
RISING STEM  
RISING HANDWHEEL  
SWIVEL PLUG DISC  
RENEWABLE SEATS
- **Design** BS 1873  
ASME B16.34  
WALL THICKNESS TO API 600
- **Face to face** ASME B16.10
- **Ends** ASME B16.5  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 – 3.1 B

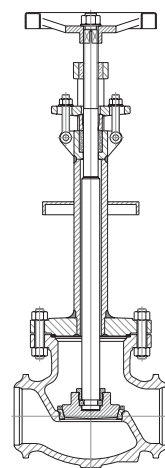
| PART NAME              | E46xEB      | F46xEB      |
|------------------------|-------------|-------------|
| 1 Body                 | CF8         | CF8M        |
| 2 Bonnet               | CF8         | CF8M        |
| 3 Seat ring surface    | F316 (1)    | F316 (1)    |
| 4 Disc seat surface    | F316 (2)    | F316 (2)    |
| 5 Stem                 | F316 (3)    | F316 (3)    |
| 6 Back seat (integral) | CF8         | CF8M        |
| 7 Gland                | F316        | F316        |
| 8 Gland flange         | F316        | F316        |
| 9 Yoke sleeve          | B148 9A (4) | B148 9A (4) |
| 10 Disc nut            | F316        | F316        |
| 11 Handwheel           | Steel       | Steel       |
| 12 Plate               | A105        | A105        |
| 13 Handwheel nut       | A105        | A105        |
| 14 Bolts               | B8          | B8          |
| 15 Nuts                | G8          | G8          |
| 16 Eye bolts           | B8          | B8          |
| 17 Nuts                | G8          | G8          |
| 18 Eye bolt pin        | B8          | B8          |
| 19 Gasket              | PTFE (5)    | PTFE (5)    |
| 20 Packing             | PTFE (6)    | PTFE (6)    |
| 21 Extension           | F316L       | F316L       |

- (1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials
- (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials
- (3) On request: 17 Cr - Monel® - Hastelloy® - other materials

*options*



FULLY EXTRACTABLE



COLD BOX

- (4) On request: Nodular Iron - Nitronic 60
- (5) On request: PTFE - other materials
- (6) On request: PTFE - other materials

All data, subject to technical changes, are only for information and not for official use.

# GLOBE VALVES - CRYOGENIC

## ASME 150 - 300 - 600 - 900 - 1500

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. 460EB - CRYOGENIC GLOBE VALVES ASME CLASS 150**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"  | 8"    | 10"   | 12"   | 14"   | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|--------|----|----|----|----|
| L RF/BW | 203 | 216 | 241 | 292 | 356 | 406 | 495   | 622   | 699   | 787   | 914    | -- | -- | -- | -- |
| L RTJ   | 216 | 219 | 254 | 305 | 368 | 419 | 508   | 635   | 711   | 800   | 927    | -- | -- | -- | -- |
| D       | 152 | 178 | 191 | 229 | 254 | 279 | 343   | 406   | 483   | 533   | 597    | -- | -- | -- | -- |
| V       | 200 | 200 | 225 | 250 | 300 | 300 | 500 * | 700 * | 700 * | 800 * | 1000 * | -- | -- | -- | -- |
| W       | 200 | 200 | 300 | 300 | 300 | 300 | 300   | 300   | 300   | 300   | 300    | -- | -- | -- | -- |
| H       | 520 | 550 | 680 | 740 | 780 | 860 | 980   | 1050  | 1160  | 1240  | 1320   | -- | -- | -- | -- |
| H1      | 535 | 570 | 704 | 770 | 818 | 905 | 1040  | 1125  | 1250  | 1360  | 1490   | -- | -- | -- | -- |

**FIG. N. 461EB - CRYOGENIC GLOBE VALVES ASME CLASS 300**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"    | 8"    | 10"   | 12"   | 14"   | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|--------|----|----|----|----|
| L RF/BW | 267 | 292 | 318 | 356 | 400 | 445   | 559   | 622   | 711   | 838   | 864    | -- | -- | -- | -- |
| L RTJ   | 282 | 308 | 333 | 371 | 416 | 460   | 575   | 638   | 727   | 854   | 879    | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 254 | 279 | 318   | 381   | 445   | 521   | 584   | 648    | -- | -- | -- | -- |
| V       | 200 | 225 | 225 | 300 | 300 | 500 * | 600 * | 700 * | 700 * | 800 * | 1000 * | -- | -- | -- | -- |
| W       | 200 | 200 | 300 | 300 | 300 | 300   | 300   | 300   | 300   | 300   | 300    | -- | -- | -- | -- |
| H       | 590 | 600 | 710 | 730 | 870 | 980   | 1100  | 1150  | 1310  | 1450  | 1530   | -- | -- | -- | -- |
| H1      | 605 | 620 | 734 | 760 | 908 | 1025  | 1160  | 1225  | 1400  | 1555  | 1660   | -- | -- | -- | -- |

**FIG. N. 462EB - CRYOGENIC GLOBE VALVES ASME CLASS 600**

| SIZE    | 2"  | 2½" | 3"  | 4"    | 5"    | 6"    | 8"     | 10"    | 12"    | 14"    | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-------|-------|-------|--------|--------|--------|--------|--------|----|----|----|----|
| L RF/BW | 292 | 330 | 356 | 432   | 508   | 559   | 660    | 787    | 838    | 889    | 991    | -- | -- | -- | -- |
| L RTJ   | 295 | 333 | 359 | 435   | 511   | 562   | 663    | 790    | 841    | 892    | 994    | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 273   | 330   | 356   | 419    | 508    | 559    | 603    | 686    | -- | -- | -- | -- |
| V       | 200 | 250 | 250 | 400 * | 500 * | 700 * | 1000 * | 1000 * | 1000 * | 1000 * | 1000 * | -- | -- | -- | -- |
| W       | 200 | 200 | 300 | 300   | 300   | 300   | 300    | 300    | 300    | 300    | 300    | -- | -- | -- | -- |
| H       | 550 | 715 | 845 | 900   | 986   | 1080  | 1140   | 1535   | 1611   | 1700   | 1820   | -- | -- | -- | -- |
| H1      | 565 | 735 | 869 | 930   | 1024  | 1125  | 1200   | 1610   | 1701   | 1800   | 1930   | -- | -- | -- | -- |

**FIG. N. 463EB - CRYOGENIC GLOBE VALVES ASME CLASS 900**

| SIZE    | 2"  | 2½" | 3"    | 4"    | 5"    | 6"     | 8"     | 10"    | 12"    |
|---------|-----|-----|-------|-------|-------|--------|--------|--------|--------|
| L RF/BW | 368 | 419 | 381   | 457   | 559   | 610    | 737    | 838    | 965    |
| L RTJ   | 371 | 422 | 384   | 460   | 562   | 613    | 740    | 842    | 968    |
| D       | 216 | 244 | 241   | 292   | 349   | 381    | 470    | 546    | 610    |
| V       | 400 | 400 | 500 * | 600 * | 700 * | 1000 * | 1000 * | 1000 * | 1000 * |
| W       | 200 | 200 | 300   | 300   | 300   | 300    | 300    | 300    | 300    |
| H       | 775 | 890 | 890   | 1020  | 1170  | 1273   | 1440   | 1800   | 1980   |
| H1      | 790 | 910 | 914   | 1050  | 1208  | 1318   | 1500   | 1875   | 2070   |

**FIG. N. 464EB - CRYOGENIC GLOBE VALVES ASME CLASS 1500**

| SIZE    | 2"    | 2½"   | 3"    | 4"    | 5"    | 6"    | 8"     | 10"    | 12"    |
|---------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| L RF/BW | 368   | 419   | 470   | 546   | 673   | 705   | 832    | 991    | 1130   |
| L RTJ   | 371   | 422   | 473   | 549   | 676   | 711   | 842    | 1000   | 1146   |
| D       | 216   | 244   | 267   | 311   | 375   | 394   | 483    | 584    | 673    |
| V       | 400 * | 400 * | 500 * | 700 * | 700 * | 900 * | 1000 * | 1000 * | 1000 * |
| W       | 200   | 200   | 300   | 300   | 300   | 300   | 300    | 300    | 300    |
| H       | 775   | 890   | 1070  | 1140  | 1202  | 1273  | 1343   | 1970   | 2050   |
| H1      | 790   | 910   | 1094  | 1170  | 1240  | 1318  | 1403   | 2045   | 2160   |

\* Gear operator recommended

*features on request*

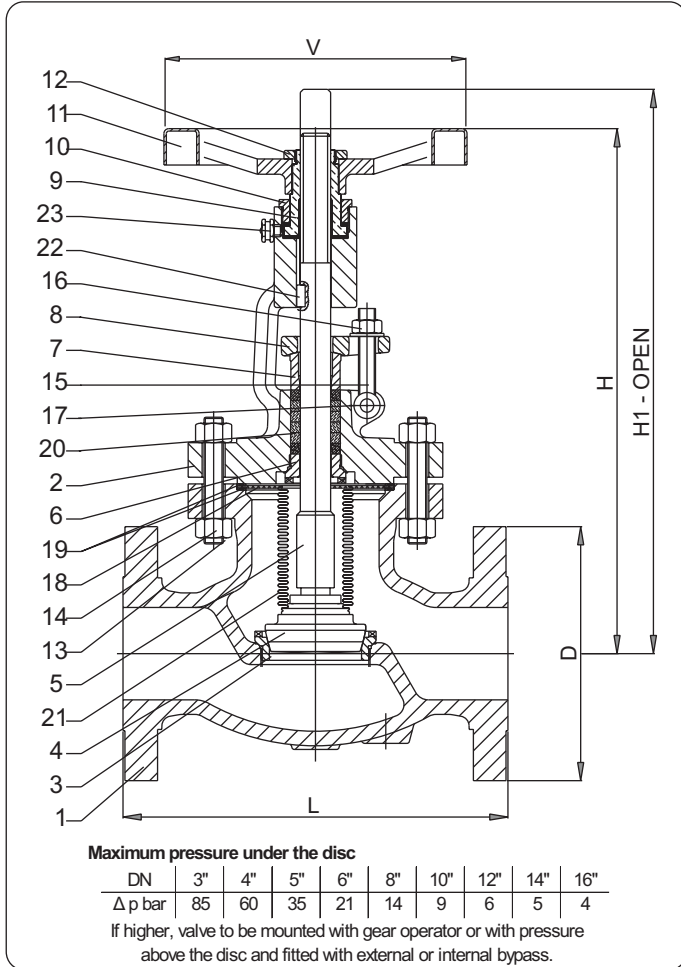
- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- DISC WITH PTFE INSERT
- PARABOLIC DISC
- STOP CHECK DISC
- STEM PROTECTION
- STEM EXTENSION
- LANTERN RING
- EXTENDED STUFFING BOX
- LIVE LOADED PACKING
- DRAIN PLUG
- BY PASS
- BW ENDS
- DIN CONNECTIONS

All dimensions in mm (except where differently indicated)

All data, subject to technical changes, are only for information and not for official use.

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Phone: +39016322991 - Fax: +39016321537 - www.valvosider.com - e-mail: valvo@valvosider.com

*standard features*



- Description** BOLTED BONNET  
OUTSIDE SCREW AND YOKE  
RISING STEM  
NON RISING HANDWHEEL  
RENEWABLE SEATS
- Design** BS 1873  
ASME B16.34  
WALL THICKNESS TO API 600
- Face to face** ASME B16.10
- Flanges** ASME B16.5  
BW ENDS TO ASME B16.25
- Testing** API 598  
API 6D  
BS 6755
- Rating** ASME B16.34
- Marking** MSS-SP 25  
CE - PED
- Certificates** EN 10204 – 3.1 B

| PART NAME           | W46xSO      | L46xSO      | M46xSO   | C46xSO   | B46xSO                                      | E46xSO      | D46xSO      | F46xSO      | H46xSO      |
|---------------------|-------------|-------------|----------|----------|---|-------------|-------------|-------------|-------------|
| 1 Body              | W CB        | LCB         | WC6      | C5       | C12   | CF8         | CF8C        | CF8M        | CF3M        |
| 2 Bonnet            | W CB        | LCB         | WC6      | C5       | C12   | CF8         | CF8C        | CF8M        | CF3M        |
| 3 Seat ring surface | F6A (1)     | F6A (1)     | F6A (1)  | F6A (1)  | F6A (1)                                     | F304 (1)    | F321 (1)    | F316 (1)    | F316L (1)   |
| 4 Disc seat surface | F6A (2)     | F6A (2)     | F6A (2)  | F6A (2)  | F6A (2)                                     | F304 (2)    | F321 (2)    | F316 (2)    | F316L (2)   |
| 5 Stem              | F6A (3)     | F6A (3)     | F6A (3)  | F6A (3)  | F6A (3)                                     | F304 (3)    | F321 (3)    | F316 (3)    | F316L (3)   |
| 6 Back seat         | F6A         | F6A         | F6A      | F6A      | F6A   | F304        | F321        | F316        | F316L       |
| 7 Gland             | F6A         | F6A         | F6A      | F6A      | F6A   | F304        | F321        | F316        | F316L       |
| 8 Gland flange      | A105        | F316        | F316     | F316     | F316  | F316        | F316        | F316        | F316L       |
| 9 Yoke sleeve       | B148 9A (4) | B148 9A (4) | Nod.Iron | Nod.Iron | Nod.Iron                                    | B148 9A (4) | B148 9A (4) | B148 9A (4) | B148 9A (4) |
| 10 Yoke nut         | F6A         | F6A         | F6A      | F6A      | F6A   | F304        | F321        | F316        | F316L       |
| 11 Handwheel        |             |             |          |          | Steel                                       |             |             |             |             |
| 12 Handwheel nut    |             |             |          |          | A105  |             |             |             |             |
| 13 Bolts            | B7          | L7          | B16      | B16      | B16   | B8          | B8          | B8          | B8          |
| 14 Nuts             | 2H          | G4          | G4       | G4       | G4  | G8          | G8          | G8          | G8          |
| 15 Eye bolts        | B7          | B7          | B8       | B8       | B8  | B8          | B8          | B8          | B8          |
| 16 Nuts             | 2H          | 2H          | 2H       | 2H       | 2H  | G8          | G8          | G8          | G8          |
| 17 Eye bolt pin     | B7          | B7          | B7       | B7       | B7  | B8          | B8          | B8          | B8          |
| 18 Bellow flange    |             |             |          |          | A182 F321                                   |             |             |             |             |
| 19 Gasket           |             |             |          |          | S.S. spiral wound reinf. graphite / RTJ (5) |             |             |             |             |
| 20 Packing          |             |             |          |          | Graphite rings & wiper rings (6)            |             |             |             |             |
| 21 Bellow           |             |             |          |          | A182 F321                                   |             |             |             |             |
| 22 No rot. Device   | F6A         | F6A         | F6A      | F6A      | F6A   | F304        | F321        | F316        | F316L       |
| 23 Grease nipple    |             |             |          |          | Steel                                       |             |             |             |             |

(1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (3) On request: 17 Cr - Monel® - Hastelloy® - other materials

(4) On request: Nodular Iron - Nitronic 60  
 (5) On request: PTFE - other materials  
 (6) On request: PTFE - other materials

All data, subject to technical changes, are only for information and not for official use.

# GLOBE VALVES - BELLOW SEAL ASME 150 - 300 - 600 - 900 - 1500

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. 460SO - GLOBE VALVES BELLOW SEAL ASME CLASS 150**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"  | 8"    | 10"   | 12"   | 14"   | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|--------|----|----|----|----|
| L RF/BW | 203 | 216 | 241 | 292 | 356 | 406 | 495   | 622   | 699   | 787   | 914    | -- | -- | -- | -- |
| L RTJ   | 216 | 219 | 254 | 305 | 368 | 419 | 508   | 635   | 711   | 800   | 927    | -- | -- | -- | -- |
| D       | 152 | 178 | 191 | 229 | 254 | 279 | 343   | 406   | 483   | 533   | 597    | -- | -- | -- | -- |
| V       | 200 | 200 | 225 | 250 | 300 | 300 | 500 * | 700 * | 700 * | 800 * | 1000 * | -- | -- | -- | -- |
| H       | 340 | 370 | 400 | 440 | 500 | 580 | 700   | 800   | 900   | 970   | 1270   | -- | -- | -- | -- |
| H1      | 355 | 390 | 424 | 470 | 538 | 625 | 760   | 875   | 990   | 1090  | 1410   | -- | -- | -- | -- |

**FIG. N. 461SO - GLOBE VALVES BELLOW SEAL ASME CLASS 300**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"   | 8"    | 10"  | 12"   | 14"  | 16"   | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|------|-------|------|-------|------|-------|----|----|----|----|
| L RF/BW | 267 | 292 | 318 | 356 | 400 | 445  | 559   | 622  | 711   | 838  | 864   | -- | -- | -- | -- |
| L RTJ   | 282 | 308 | 333 | 371 | 416 | 460  | 575   | 638  | 727   | 854  | 879   | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 254 | 279 | 318  | 381   | 445  | 521   | 584  | 648   | -- | -- | -- | -- |
| V       | 200 | 225 | 225 | 300 | 300 | 500* | 600 * | 700* | 700 * | 800* | 1000* | -- | -- | -- | -- |
| H       | 410 | 420 | 430 | 480 | 590 | 700  | 820   | 900  | 1050  | 1200 | 1440  | -- | -- | -- | -- |
| H1      | 425 | 440 | 454 | 504 | 628 | 745  | 880   | 975  | 1140  | 1320 | 1800  | -- | -- | -- | -- |

**FIG. N. 462SO - GLOBE VALVES BELLOW SEAL ASME CLASS 600**

| SIZE    | 2"  | 2½" | 3"  | 4"   | 5"   | 6"   | 8"    | 10"   | 12"   | 14"   | 16"   | -- | -- | -- | -- |
|---------|-----|-----|-----|------|------|------|-------|-------|-------|-------|-------|----|----|----|----|
| L RF/BW | 292 | 330 | 356 | 432  | 508  | 559  | 660   | 787   | 838   | 889   | 991   | -- | -- | -- | -- |
| L RTJ   | 295 | 333 | 359 | 435  | 511  | 562  | 663   | 790   | 841   | 892   | 994   | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 273  | 330  | 356  | 419   | 508   | 559   | 603   | 686   | -- | -- | -- | -- |
| V       | 200 | 250 | 250 | 400* | 500* | 700* | 1000* | 1000* | 1000* | 1000* | 1000* | -- | -- | -- | -- |
| H       | 370 | 525 | 565 | 620  | 700  | 800  | 860   | 1280  | 1350  | 1490  | 1720  | -- | -- | -- | -- |
| H1      | 385 | 545 | 589 | 650  | 738  | 845  | 920   | 1355  | 1440  | 1630  | 2100  | -- | -- | -- | -- |

**FIG. N. 463SO - GLOBE VALVES BELLOW SEAL ASME CLASS 900**

| SIZE    | 2"  | 2½" | 3"   | 4"   | 5"   | 6"    | 8"    | 10"   | 12"   |
|---------|-----|-----|------|------|------|-------|-------|-------|-------|
| L RF/BW | 368 | 419 | 381  | 457  | 559  | 610   | 737   | 838   | 965   |
| L RTJ   | 371 | 422 | 384  | 460  | 562  | 613   | 740   | 842   | 968   |
| D       | 216 | 244 | 241  | 292  | 349  | 381   | 470   | 546   | 610   |
| V       | 400 | 400 | 500* | 600* | 700* | 1000* | 1000* | 1000* | 1000* |
| H       | 590 | 710 | 610  | 750  | 890  | 1000  | 1170  | 1540  | 1720  |
| H1      | 605 | 730 | 634  | 780  | 928  | 1045  | 1230  | 1615  | 1810  |

**FIG. N. 464SO - GLOBE VALVES BELLOW SEAL ASME CLASS 1500**

| SIZE    | 2"   | 2½"  | 3"   | 4"   | 5"   | 6"   | 8"    | 10"   | 12"   |
|---------|------|------|------|------|------|------|-------|-------|-------|
| L RF/BW | 368  | 419  | 470  | 546  | 673  | 705  | 832   | 991   | 1130  |
| L RTJ   | 371  | 422  | 473  | 549  | 676  | 711  | 842   | 1000  | 1146  |
| D       | 216  | 244  | 267  | 311  | 375  | 394  | 483   | 584   | 673   |
| V       | 400* | 400* | 500* | 700* | 700* | 900* | 1000* | 1000* | 1000* |
| H       | 590  | 710  | 790  | 860  | 930  | 1000 | 1100  | 1720  | 1810  |
| H1      | 605  | 730  | 814  | 890  | 968  | 1045 | 1160  | 1795  | 1950  |

\* Gear operator recommended

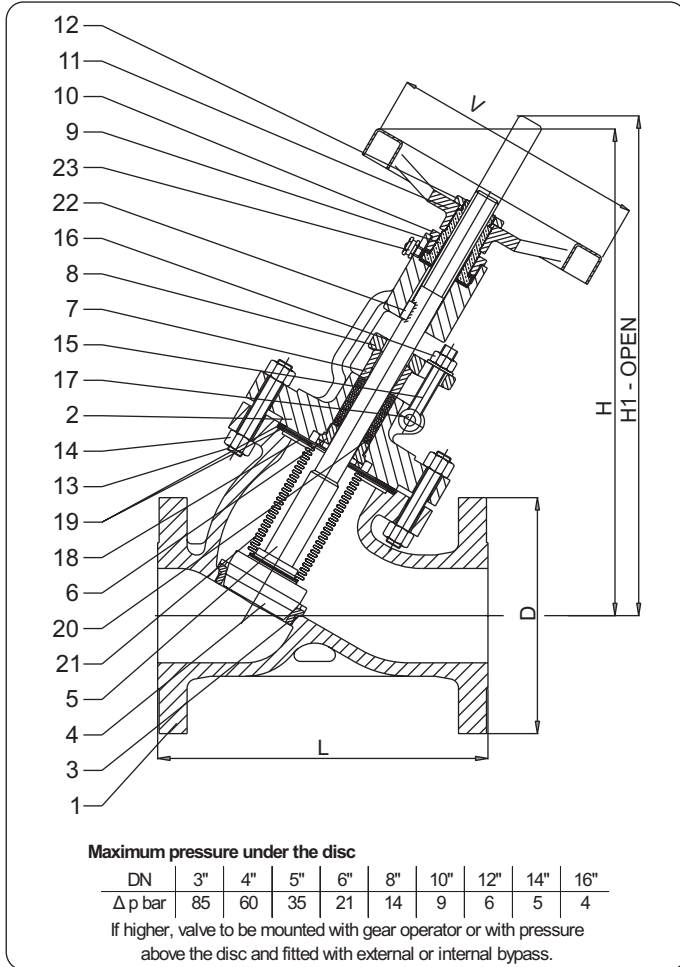
*features on request*

- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- DISC WITH PTFE INSERT
- PARABOLIC DISC
- STOP CHECK DISC
- STEM PROTECTION
- STEM EXTENSION
- LANTERN RING
- EXTENDED STUFFING BOX
- LIVE LOADED PACKING
- DRAIN PLUG
- BY PASS
- BW ENDS
- DIN CONNECTIONS

All dimensions in mm (except where differently indicated)

All data, subject to technical changes, are only for information and not for official use.

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Phone: +39016322991 - Fax: +39016321537 - www.valvosider.com - e-mail: valvo@valvosider.com



*standard features*

- **Description** BOLTED BONNET  
OUTSIDE SCREW AND YOKE  
RISING STEM  
NON RISING HANDWHEEL  
RENEWABLE SEATS
- **Design** BS 1873  
ASME B16.34  
WALL THICKNESS TO API 600
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 – 3.1 B

| PART NAME           | W46xYSO     | L46xYSO     | M46xYSO  | C46xYSO  | B46xYSO                                     | E46xYSO     | D46xYSO     | F46xYSO     | H46xYSO     |
|---------------------|-------------|-------------|----------|----------|---|-------------|-------------|-------------|-------------|
| 1 Body              | W CB        | LCB         | WC6      | C5       | C12   | CF8         | CF8C        | CF8M        | CF3M        |
| 2 Bonnet            | W CB        | LCB         | WC6      | C5       | C12   | CF8         | CF8C        | CF8M        | CF3M        |
| 3 Seat ring surface | F6A (1)     | F6A (1)     | F6A (1)  | F6A (1)  | F6A (1)                                     | F304 (1)    | F321 (1)    | F316 (1)    | F316L (1)   |
| 4 Disc seat surface | F6A (2)     | F6A (2)     | F6A (2)  | F6A (2)  | F6A (2)                                     | F304 (2)    | F321 (2)    | F316 (2)    | F316L (2)   |
| 5 Stem              | F6A (3)     | F6A (3)     | F6A (3)  | F6A (3)  | F6A (3)                                     | F304 (3)    | F321 (3)    | F316 (3)    | F316L (3)   |
| 6 Back seat         | F6A         | F6A         | F6A      | F6A      | F6A   | F304        | F321        | F316        | F316L       |
| 7 Gland             | F6A         | F6A         | F6A      | F6A      | F6A   | F304        | F321        | F316        | F316L       |
| 8 Gland flange      | A105        | F316        | F316     | F316     | F316  | F316        | F316        | F316        | F316L       |
| 9 Yoke sleeve       | B148 9A (4) | B148 9A (4) | Nod.Iron | Nod.Iron | Nod.Iron                                    | B148 9A (4) | B148 9A (4) | B148 9A (4) | B148 9A (4) |
| 10 Yoke nut         | F6A         | F6A         | F6A      | F6A      | F6A   | F304        | F321        | F316        | F316L       |
| 11 Handwheel        |             |             |          |          | Steel                                       |             |             |             |             |
| 12 Handwheel nut    |             |             |          |          | A105  |             |             |             |             |
| 13 Bolts            | B7          | L7          | B16      | B16      | B16   | B8          | B8          | B8          | B8          |
| 14 Nuts             | 2H          | G4          | G4       | G4       | G4  | G8          | G8          | G8          | G8          |
| 15 Eye bolts        | B7          | B7          | B8       | B8       | B8  | B8          | B8          | B8          | B8          |
| 16 Nuts             | 2H          | 2H          | 2H       | 2H       | 2H  | G8          | G8          | G8          | G8          |
| 17 Eye bolt pin     | B7          | B7          | B7       | B7       | B7  | B8          | B8          | B8          | B8          |
| 18 Bellow flange    |             |             |          |          | A182 F321                                   |             |             |             |             |
| 19 Gasket           |             |             |          |          | S.S. spiral wound reinf. graphite / RTJ (5) |             |             |             |             |
| 20 Packing          |             |             |          |          | Graphite rings & wiper rings (6)            |             |             |             |             |
| 21 Bellow           |             |             |          |          | A182 F321                                   |             |             |             |             |
| 22 No rot. Device   | F6A         | F6A         | F6A      | F6A      | F6A   | F304        | F321        | F316        | F316L       |
| 23 Grease nipple    |             |             |          |          | Steel                                       |             |             |             |             |

(1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (2) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (3) On request: 17 Cr - Monel® - Hastelloy® - other materials

(4) On request: Nodular Iron - Nitronic 60  
 (5) On request: PTFE - other materials  
 (6) On request: PTFE - other materials

All data, subject to technical changes, are only for information and not for official use.



# GLOBE VALVES - BELLOW SEAL 'Y' TYPE ANSI 150 - 300 - 600 - 900 - 1500

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. 460YSO - GLOBE V. BELLOW SEAL Y TYPE ASME CLASS 150**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"  | 8"    | 10"   | 12"   | 14"   | 16"    | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|-----|-------|-------|-------|-------|--------|----|----|----|----|
| L RF/BW | 203 | 216 | 241 | 292 | 356 | 406 | 495   | 622   | 699   | 787   | 914    | -- | -- | -- | -- |
| L RTJ   | 216 | 219 | 254 | 305 | 368 | 419 | 508   | 635   | 711   | 800   | 927    | -- | -- | -- | -- |
| D       | 152 | 178 | 191 | 229 | 254 | 279 | 343   | 406   | 483   | 533   | 597    | -- | -- | -- | -- |
| V       | 200 | 200 | 225 | 250 | 300 | 300 | 500 * | 700 * | 700 * | 800 * | 1000 * | -- | -- | -- | -- |
| H       | 320 | 350 | 380 | 440 | 480 | 560 | 680   | 750   | 860   | 930   | 1250   | -- | -- | -- | -- |
| H1      | 380 | 430 | 470 | 550 | 615 | 720 | 890   | 1010  | 1170  | 1040  | 1380   | -- | -- | -- | -- |

**FIG. N. 461YSO - GLOBE V. BELLOW SEAL Y TYPE ASME CLASS 300**

| SIZE    | 2"  | 2½" | 3"  | 4"  | 5"  | 6"    | 8"    | 10"   | 12"   | 14"   | 16"   | -- | -- | -- | -- |
|---------|-----|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|----|----|----|----|
| L RF/BW | 267 | 292 | 318 | 356 | 400 | 445   | 559   | 622   | 711   | 838   | 864   | -- | -- | -- | -- |
| L RTJ   | 282 | 308 | 333 | 371 | 416 | 460   | 575   | 638   | 727   | 854   | 879   | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 254 | 279 | 318   | 381   | 445   | 521   | 584   | 648   | -- | -- | -- | -- |
| V       | 200 | 225 | 225 | 300 | 300 | 500 * | 600 * | 700 * | 700 * | 800 * | 1000* | -- | -- | -- | -- |
| H       | 390 | 400 | 410 | 430 | 570 | 680   | 800   | 850   | 1010  | 1150  | 1390  | -- | -- | -- | -- |
| H1      | 410 | 420 | 435 | 520 | 615 | 735   | 860   | 930   | 1110  | 1270  | 1512  | -- | -- | -- | -- |

**FIG. N. 462YSO - GLOBE V. BELLOW SEAL Y TYPE ASME CLASS 600**

| SIZE    | 2"  | 2½" | 3"  | 4"   | 5"   | 6"   | 8"    | 10"   | 12"   | 14"   | 16"   | -- | -- | -- | -- |
|---------|-----|-----|-----|------|------|------|-------|-------|-------|-------|-------|----|----|----|----|
| L RF/BW | 292 | 330 | 356 | 432  | 508  | 559  | 660   | 787   | 838   | 889   | 991   | -- | -- | -- | -- |
| L RTJ   | 295 | 333 | 359 | 435  | 511  | 562  | 663   | 790   | 841   | 892   | 994   | -- | -- | -- | -- |
| D       | 165 | 191 | 210 | 273  | 330  | 356  | 419   | 508   | 559   | 603   | 686   | -- | -- | -- | -- |
| V       | 200 | 250 | 250 | 400* | 500* | 700* | 1000* | 1000* | 1000* | 1000* | 1000* | -- | -- | -- | -- |
| H       | 350 | 515 | 545 | 600  | 686  | 780  | 840   | 1235  | 1311  | 1430  | 1660  | -- | -- | -- | -- |
| H1      | 370 | 535 | 570 | 630  | 726  | 830  | 910   | 1315  | 1411  | 1550  | 1800  | -- | -- | -- | -- |

**FIG. N. 463YSO - GLOBE V. BELLOW SEAL Y TYPE ASME CLASS 900**

| SIZE    | 2"  | 2½" | 3"   | 4"   | 5"   | 6"    | 8"    | 10"   | 12"   |
|---------|-----|-----|------|------|------|-------|-------|-------|-------|
| L RF/BW | 368 | 419 | 381  | 457  | 559  | 610   | 737   | 838   | 965   |
| L RTJ   | 371 | 422 | 384  | 460  | 562  | 613   | 740   | 842   | 968   |
| D       | 216 | 244 | 241  | 292  | 349  | 381   | 470   | 546   | 610   |
| V       | 400 | 400 | 500* | 600* | 700* | 1000* | 1000* | 1000* | 1000* |
| H       | 575 | 690 | 590  | 720  | 870  | 973   | 1140  | 1500  | 1680  |
| H1      | 605 | 730 | 634  | 780  | 928  | 1045  | 1230  | 1615  | 1810  |

**FIG. N. 464YSO - GLOBE V. BELLOW SEAL Y TYPE ASME CLASS 1500**

| SIZE    | 2"   | 2½"  | 3"   | 4"   | 5"   | 6"   | 8"    | 10"   | 12"   |
|---------|------|------|------|------|------|------|-------|-------|-------|
| L RF/BW | 368  | 419  | 470  | 546  | 673  | 705  | 832   | 991   | 1130  |
| L RTJ   | 371  | 422  | 473  | 549  | 676  | 711  | 842   | 1000  | 1146  |
| D       | 216  | 244  | 267  | 311  | 375  | 394  | 483   | 584   | 673   |
| V       | 400* | 400* | 500* | 700* | 700* | 900* | 1000* | 1000* | 1000* |
| H       | 575  | 690  | 770  | 840  | 902  | 973  | 1043  | 1670  | 1750  |
| H1      | 615  | 740  | 826  | 915  | 980  | 1080 | 1190  | 1760  | 1855  |

\* Gear operator recommended

*features on request*

- TOP FLANGE TO ISO 5210
- GEAR OPERATOR
- CHAIN WHEEL OPERATOR
- PNEUMATIC ACTUATOR
- HYDRAULIC ACTUATOR
- ELECTRIC ACTUATOR
- POSITION INDICATOR
- LIMIT SWITCHES
- LOCKING / INTERLOCK SYSTEM
- DISC WITH PTFE INSERT
- PARABOLIC DISC
- STOP CHECK DISC
- STEM PROTECTION
- STEM EXTENSION
- LANTERN RING
- EXTENDED STUFFING BOX
- LIVE LOADED PACKING
- DRAIN PLUG
- BY PASS
- BW ENDS
- DIN CONNECTIONS

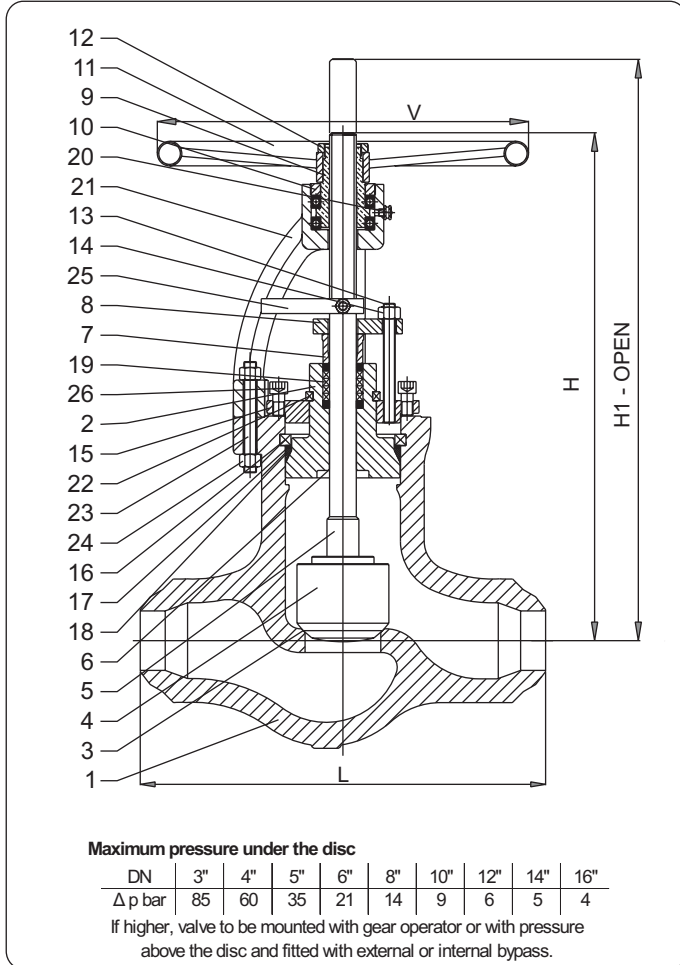
All dimensions in mm (except where differently indicated)

All data, subject to technical changes, are only for information and not for official use.

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Phone: +39016322991 - Fax: +39016321537 - www.valvosider.com - e-mail: valvo@valvosider.com



### standard features



- **Description** PRESSURE SEAL BONNET  
OUTSIDE SCREW AND YOKE  
RISING STEM  
NON RISING HANDWHEEL  
INTEGRAL BACKSEAT  
INTEGRAL SEAT  
LOOSED DISC
- **Design** BS 1873  
ASME B16.34
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5 FOR 2" TO 24"  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 - 3.1 B

| PART NAME                   | WP6x         | IP6x         | MP6x                         | WCP6x        | FP6x          |
|-----------------------------|--------------|--------------|------------------------------|--------------|---------------|
| 1 Body                      | WCB          | WC1          | WC6                          | WC9          | CF8M          |
| 2 Bonnet                    | WCB          | WC1          | WC6                          | WC9          | CF8M          |
| 3 Seat (integral)           |              | ←            | Stellite® (2)                | →            |               |
| 4 Disc seat surface         | WCB + HF (1) | WC1 + HF (1) | WC6 + HF (1)                 | WC9 + HF (1) | CF8M + HF (1) |
| 5 Stem                      | F6A (3)      | F6A (3)      | F6A (3)                      | F6A (3)      | F316 (3)      |
| 6 Back seat (integral)      |              | ←            | Stellite® (2)                | →            |               |
| 7 Gland                     | F6A          | F6A          | F6A                          | F6A          | F316          |
| 8 Gland flange              | A105         | F316         | F316                         | F316         | F316          |
| 9 Yoke sleeve               |              | ←            | B148 9A (4)                  | →            |               |
| 10 Yoke nut                 | A 105        | A 105        | A 105                        | A 105        | F316          |
| 11 Handwheel                |              | ←            | Steel                        | →            |               |
| 12 Handwheel nut            |              | ←            | A105                         | →            |               |
| 13 Bolts                    | B7           | B16          | B16                          | B16          | B8            |
| 14 Nuts                     | 2H           | G4           | G4                           | G4           | G8            |
| 15 Retaining ring           | A105         | F6A          | F6A                          | F6A          | F316          |
| 16 Segmental retaining ring | F6A          | F6A          | F6A                          | F6A          | F316          |
| 17 Spacer ring              | F6A          | F6A          | F6A                          | F6A          | F316          |
| 18 Gasket                   |              | ←            | S.S. reinforced graphite (5) | →            |               |
| 19 Packing                  |              | ←            | Graphite rings & wiper rings | →            |               |
| 20 Grease nipple            |              | ←            | Steel                        | →            |               |
| 21 Yoke                     | WCB          | WC1          | WC6                          | WC9          | CF8M          |
| 22 Segmental ring           | F6A          | F6A          | F6A                          | F6A          | F316          |
| 23 Yoke / body bolt         | B7           | B16          | B16                          | B16          | B8            |
| 24 Yoke / body nut          | 2H           | G4           | G4                           | G4           | G8            |
| 25 No rotation device       | 2H           | G4           | G4                           | G4           | G8            |
| 26 Bolts                    | B7           | B16          | B16                          | B16          | B8            |

(1) On request: faced with Stellite® - Monel® - Hastelloy® - other materials  
 (2) On request: faced with Monel® - Hastelloy® - other materials  
 (3) On request: 17 Cr - Monel® - Hastelloy® - other materials

(4) On request: Nodular Iron - Nitronic 60  
 (5) On request: Metal

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# GLOBE VALVES - PRESSURE SEAL ASME 600 - 900 - 1500 - 2500

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. P62 - GLOBE VALVES PRESSURE SEAL ASME CLASS 600**

| SIZE  | 2"  | 3"  | 4"  | 6"   | 8"   | 10"  | 12"  | 14"  | 16"  | -- | -- | -- | -- |
|-------|-----|-----|-----|------|------|------|------|------|------|----|----|----|----|
| L RF  | 292 | 356 | 432 | 559  | 660  | 787  | 838  | 889  | 991  | -- | -- | -- | -- |
| L RTJ | 295 | 359 | 435 | 562  | 663  | 790  | 841  | 892  | 994  | -- | -- | -- | -- |
| L BW  | 292 | 356 | 432 | 559  | 660  | 787  | 838  | 889  | 991  | -- | -- | -- | -- |
| V     | 200 | 250 | 300 | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | -- | -- | -- | -- |
| H     | 500 | 550 | 590 | 840  | 970  | 1160 | 1300 | 1480 | 1680 | -- | -- | -- | -- |
| H1    | 540 | 600 | 670 | 930  | 1120 | 1350 | 1525 | 1750 | 1980 | -- | -- | -- | -- |

**FIG. N. P63 - GLOBE VALVES PRESSURE SEAL ASME CLASS 900**

| SIZE  | 2"  | 3"  | 4"   | 6"   | 8"   | 10"  | 12"  | 14"  | 16"  | -- | -- | -- | -- |
|-------|-----|-----|------|------|------|------|------|------|------|----|----|----|----|
| L RF  | 368 | 381 | 457  | 610  | 737  | 838  | 965  | 1029 | 1130 | -- | -- | -- | -- |
| L RTJ | 371 | 384 | 460  | 613  | 740  | 842  | 968  | 1038 | 1140 | -- | -- | -- | -- |
| L BW  | 368 | 381 | 457  | 610  | 737  | 838  | 965  | 1029 | 1130 | -- | -- | -- | -- |
| V     | 250 | 300 | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | -- | -- | -- | -- |
| H     | 500 | 550 | 590  | 840  | 970  | 1160 | 1300 | 1585 | 1639 | -- | -- | -- | -- |
| H1    | 540 | 600 | 670  | 930  | 1120 | 1350 | 1525 | 1850 | 1940 | -- | -- | -- | -- |

**FIG. N. P64 - GLOBE VALVES PRESSURE SEAL ASME CLASS 1500**

| SIZE  | 2"  | 3"   | 4"   | 6"   | 8"   | 10"  | 12"  | -- | -- | -- | -- | -- | -- |
|-------|-----|------|------|------|------|------|------|----|----|----|----|----|----|
| L RF  | 368 | 470  | 546  | 705  | 832  | 991  | 1130 | -- | -- | -- | -- | -- | -- |
| L RTJ | 371 | 473  | 549  | 711  | 842  | 1000 | 1146 | -- | -- | -- | -- | -- | -- |
| L BW  | 368 | 470  | 546  | 705  | 832  | 991  | 1130 | -- | -- | -- | -- | -- | -- |
| V     | 250 | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | -- | -- | -- | -- | -- | -- |
| H     | 500 | 550  | 590  | 840  | 970  | 1250 | 1400 | -- | -- | -- | -- | -- | -- |
| H1    | 540 | 600  | 670  | 930  | 1120 | 1350 | 1525 | -- | -- | -- | -- | -- | -- |

**FIG. N. P65 - GLOBE VALVES PRESSURE SEAL ASME CLASS 2500**

| SIZE  | 2"   | 3"   | 4"   | 6"   | 8"   | 10"  | 12"  | -- | -- | -- | -- | -- | -- |
|-------|------|------|------|------|------|------|------|----|----|----|----|----|----|
| L RF  | 451  | 578  | 673  | 914  | 1022 | 1270 | 1422 | -- | -- | -- | -- | -- | -- |
| L RTJ | 454  | 584  | 683  | 927  | 1038 | 1292 | 1445 | -- | -- | -- | -- | -- | -- |
| L BW  | 451  | 578  | 673  | 914  | 1022 | 1270 | 1422 | -- | -- | -- | -- | -- | -- |
| V     | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | -- | -- | -- | -- | -- | -- |
| H     | 500  | 550  | 600  | 860  | 1000 | 1330 | 1700 | -- | -- | -- | -- | -- | -- |
| H1    | 540  | 600  | 680  | 950  | 1150 | 1430 | 1825 | -- | -- | -- | -- | -- | -- |

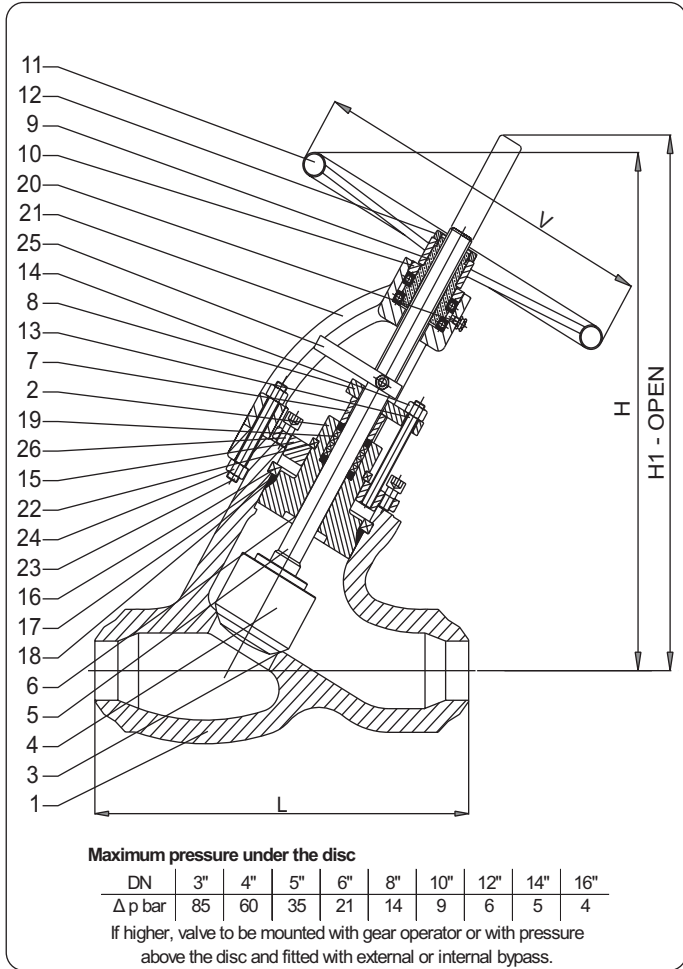
*features on request*

- |  |  |
|--|--|
| <input type="checkbox"/> TOP FLANGE TO ISO 5210          | <input type="checkbox"/> STEM PROTECTION       |
| <input type="checkbox"/> GEAR OPERATOR                   | <input type="checkbox"/> STEM EXTENSION        |
| <input type="checkbox"/> CHAIN WHEEL OPERATOR            | <input type="checkbox"/> LANTERN RING          |
| <input type="checkbox"/> PNEUMATIC OR HYDRAULIC ACTUATOR | <input type="checkbox"/> EXTENDED STUFFING BOX |
| <input type="checkbox"/> ELECTRIC ACTUATOR               | <input type="checkbox"/> LIVE LOADED PACKING   |
| <input type="checkbox"/> POSITION INDICATOR              | <input type="checkbox"/> DRAIN PLUG            |
| <input type="checkbox"/> LIMIT SWITCHES                  | <input type="checkbox"/> BY PASS               |
| <input type="checkbox"/> LOCKING / INTERLOCK SYSTEM      | <input type="checkbox"/> FLANGED ENDS          |
| <input type="checkbox"/> PTFE SOFT SEATS                 | <input type="checkbox"/> DIN CONNECTIONS       |

All dimensions in mm (except where differently indicated)

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*standard features*

- **Description** PRESSURE SEAL BONNET  
OUTSIDE SCREW AND YOKE  
RISING STEM  
NON RISING HANDWHEEL  
INTEGRAL BACKSEAT  
INTEGRAL SEAT  
LOOSED DISC
- **Design** BS 1873  
ASME B16.34
- **Face to face** ASME B16.10
- **Flanges** ASME B16.5 FOR 2" TO 24"  
BW ENDS TO ASME B16.25
- **Testing** API 598  
API 6D  
BS 6755
- **Rating** ASME B16.34
- **Marking** MSS-SP 25  
CE - PED
- **Certificates** EN 10204 - 3.1 B

| PART NAME                   | WP8x         | IP8x         | MP8x                         | WCP8x        | FP8x          |
|-----------------------------|--------------|--------------|------------------------------|--------------|---------------|
| 1 Body                      | WCB          | WC1          | WC6                          | WC9          | CF8M          |
| 2 Bonnet                    | WCB          | WC1          | WC6                          | WC9          | CF8M          |
| 3 Seat (integral)           |              | ←            | Stellite® (2)                | →            |               |
| 4 Disc seat surface         | WCB + HF (1) | WC1 + HF (1) | WC6 + HF (1)                 | WC9 + HF (1) | CF8M + HF (1) |
| 5 Stem                      | F6A (3)      | F6A (3)      | F6A (3)                      | F6A (3)      | F316 (3)      |
| 6 Back seat (integral)      |              | ←            | Stellite® (2)                | →            |               |
| 7 Gland                     | F6A          | F6A          | F6A                          | F6A          | F316          |
| 8 Gland flange              | A105         | F316         | F316                         | F316         | F316          |
| 9 Yoke sleeve               |              | ←            | B148 9A (4)                  | →            |               |
| 10 Yoke nut                 | A 105        | A 105        | A 105                        | A 105        | F316          |
| 11 Handwheel                |              | ←            | Steel                        | →            |               |
| 12 Handwheel nut            |              | ←            | A105                         | →            |               |
| 13 Bolts                    | B7           | B16          | B16                          | B16          | B8            |
| 14 Nuts                     | 2H           | G4           | G4                           | G4           | G8            |
| 15 Retaining ring           | A105         | F6A          | F6A                          | F6A          | F316          |
| 16 Segmental retaining ring | F6A          | F6A          | F6A                          | F6A          | F316          |
| 17 Spacer ring              | F6A          | F6A          | F6A                          | F6A          | F316          |
| 18 Gasket                   |              | ←            | S.S. reinforced graphite (5) | →            |               |
| 19 Packing                  |              | ←            | Graphite rings & wiper rings | →            |               |
| 20 Grease nipple            |              | ←            | Steel                        | →            |               |
| 21 Yoke                     | WCB          | WC1          | WC6                          | WC9          | CF8M          |
| 22 Segmental ring           | F6A          | F6A          | F6A                          | F6A          | F316          |
| 23 Yoke / body bolt         | B7           | B16          | B16                          | B16          | B8            |
| 24 Yoke / body nut          | 2H           | G4           | G4                           | G4           | G8            |
| 25 No rotation device       | 2H           | G4           | G4                           | G4           | G8            |
| 26 Bolts                    | B7           | B16          | B16                          | B16          | B8            |

(1) On request: faced with Stellite® Monel® Hastelloy® other materials  
 (2) On request: faced with Stellite® Monel® Hastelloy® other materials  
 (3) On request: 17 Cr - Monel® Hastelloy® other materials

(4) On request: Nodular Iron - Nitronic 60  
 (5) On request: PTFE - other materials  
 (6) On request: PTFE - other materials

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# GLOBE VALVES PRESSURE SEAL - Y TYPE

## ASME 600 - 900 - 1500 - 2500

**VALVOSIDER**  
MANUFACTURER OF VALVES

**FIG. N. P82 - GLOBE VALVES PRESSURE SEAL - Y TYPE - ASME CLASS 600**

| SIZE  | 2"  | 3"  | 4"  | 6"   | 8"   | 10"  | 12"  | 14"  | 16"  | -- | -- | -- | -- |
|-------|-----|-----|-----|------|------|------|------|------|------|----|----|----|----|
| L RF  | 292 | 356 | 432 | 559  | 660  | 787  | 838  | 889  | 991  | -- | -- | -- | -- |
| L RTJ | 295 | 359 | 435 | 562  | 663  | 790  | 841  | 892  | 994  | -- | -- | -- | -- |
| L BW  | 292 | 356 | 432 | 559  | 660  | 787  | 838  | 889  | 991  | -- | -- | -- | -- |
| V     | 200 | 250 | 300 | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | -- | -- | -- | -- |
| H     | 500 | 550 | 590 | 840  | 970  | 1080 | 1200 | 1360 | 1540 | -- | -- | -- | -- |
| H1    | 540 | 600 | 670 | 930  | 1120 | 1270 | 1425 | 1620 | 1840 | -- | -- | -- | -- |

**FIG. N. P83 - GLOBE VALVES PRESSURE SEAL - Y TYPE - ASME CLASS 900**

| SIZE  | 2"  | 3"  | 4"   | 6"   | 8"   | 10"  | 12"  | 14"  | 16"  | -- | -- | -- | -- |
|-------|-----|-----|------|------|------|------|------|------|------|----|----|----|----|
| L RF  | 368 | 381 | 457  | 610  | 737  | 838  | 965  | 1029 | 1130 | -- | -- | -- | -- |
| L RTJ | 371 | 384 | 460  | 613  | 740  | 842  | 968  | 1038 | 1140 | -- | -- | -- | -- |
| L BW  | 368 | 381 | 457  | 610  | 737  | 838  | 965  | 1029 | 1130 | -- | -- | -- | -- |
| V     | 250 | 300 | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | -- | -- | -- | -- |
| H     | 500 | 550 | 640  | 900  | 960  | 1080 | 1200 | 1380 | 1585 | -- | -- | -- | -- |
| H1    | 540 | 600 | 715  | 995  | 1110 | 1380 | 1425 | 1643 | 1885 | -- | -- | -- | -- |

**FIG. N. P84 - GLOBE VALVES PRESSURE SEAL - Y TYPE - ASME CLASS 1500**

| SIZE  | 2"  | 3"   | 4"   | 6"   | 8"   | 10"  | 12"  | -- | -- | -- | -- | -- | -- |
|-------|-----|------|------|------|------|------|------|----|----|----|----|----|----|
| L RF  | 368 | 470  | 546  | 705  | 832  | 991  | 1130 | -- | -- | -- | -- | -- | -- |
| L RTJ | 371 | 473  | 549  | 711  | 842  | 1000 | 1146 | -- | -- | -- | -- | -- | -- |
| L BW  | 368 | 470  | 546  | 705  | 832  | 991  | 1130 | -- | -- | -- | -- | -- | -- |
| V     | 250 | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | -- | -- | -- | -- | -- | -- |
| H     | 520 | 550  | 640  | 900  | 1165 | 1210 | 1575 | -- | -- | -- | -- | -- | -- |
| H1    | 560 | 600  | 715  | 995  | 1315 | 1400 | 1800 | -- | -- | -- | -- | -- | -- |

**FIG. N. P85 - PRESSURE SEAL GLOBE VALVES - Y TYPE - ASME CLASS 2500**

| SIZE  | 2"   | 3"   | 4"   | 6"   | 8"   | 10"  | 12"  | -- | -- | -- | -- | -- | -- |
|-------|------|------|------|------|------|------|------|----|----|----|----|----|----|
| L RF  | 451  | 578  | 673  | 914  | 1022 | 1270 | 1422 | -- | -- | -- | -- | -- | -- |
| L RTJ | 454  | 584  | 683  | 927  | 1038 | 1292 | 1445 | -- | -- | -- | -- | -- | -- |
| L BW  | 451  | 578  | 673  | 914  | 1022 | 1270 | 1422 | -- | -- | -- | -- | -- | -- |
| V     | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | G.O. | -- | -- | -- | -- | -- | -- |
| H     | 550  | 550  | 670  | 1145 | 1235 | 1435 | 1610 | -- | -- | -- | -- | -- | -- |
| H1    | 590  | 600  | 750  | 1240 | 1385 | 1625 | 1835 | -- | -- | -- | -- | -- | -- |

### *features on request*

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> TOP FLANGE TO ISO 5210</li> <li><input type="checkbox"/> GEAR OPERATOR</li> <li><input type="checkbox"/> CHAIN WHEEL OPERATOR</li> <li><input type="checkbox"/> PNEUMATIC OR HYDRAULIC ACTUATOR</li> <li><input type="checkbox"/> ELECTRIC ACTUATOR</li> <li><input type="checkbox"/> POSITION INDICATOR</li> <li><input type="checkbox"/> LIMIT SWITCHES</li> <li><input type="checkbox"/> LOCKING / INTERLOCK SYSTEM</li> <li><input type="checkbox"/> PTFE SOFT SEATS</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> STEM PROTECTION</li> <li><input type="checkbox"/> STEM EXTENSION</li> <li><input type="checkbox"/> LANTERN RING</li> <li><input type="checkbox"/> EXTENDED STUFFING BOX</li> <li><input type="checkbox"/> LIVE LOADED PACKING</li> <li><input type="checkbox"/> DRAIN PLUG</li> <li><input type="checkbox"/> BY PASS</li> <li><input type="checkbox"/> FLANGED ENDS</li> <li><input type="checkbox"/> DIN CONNECTIONS</li> </ul> |
|---|--|

All dimensions in mm (except where differently indicated)

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