



***IMPORFERRI***

IMPORTADORA FERRETERA INDUSTRIAL



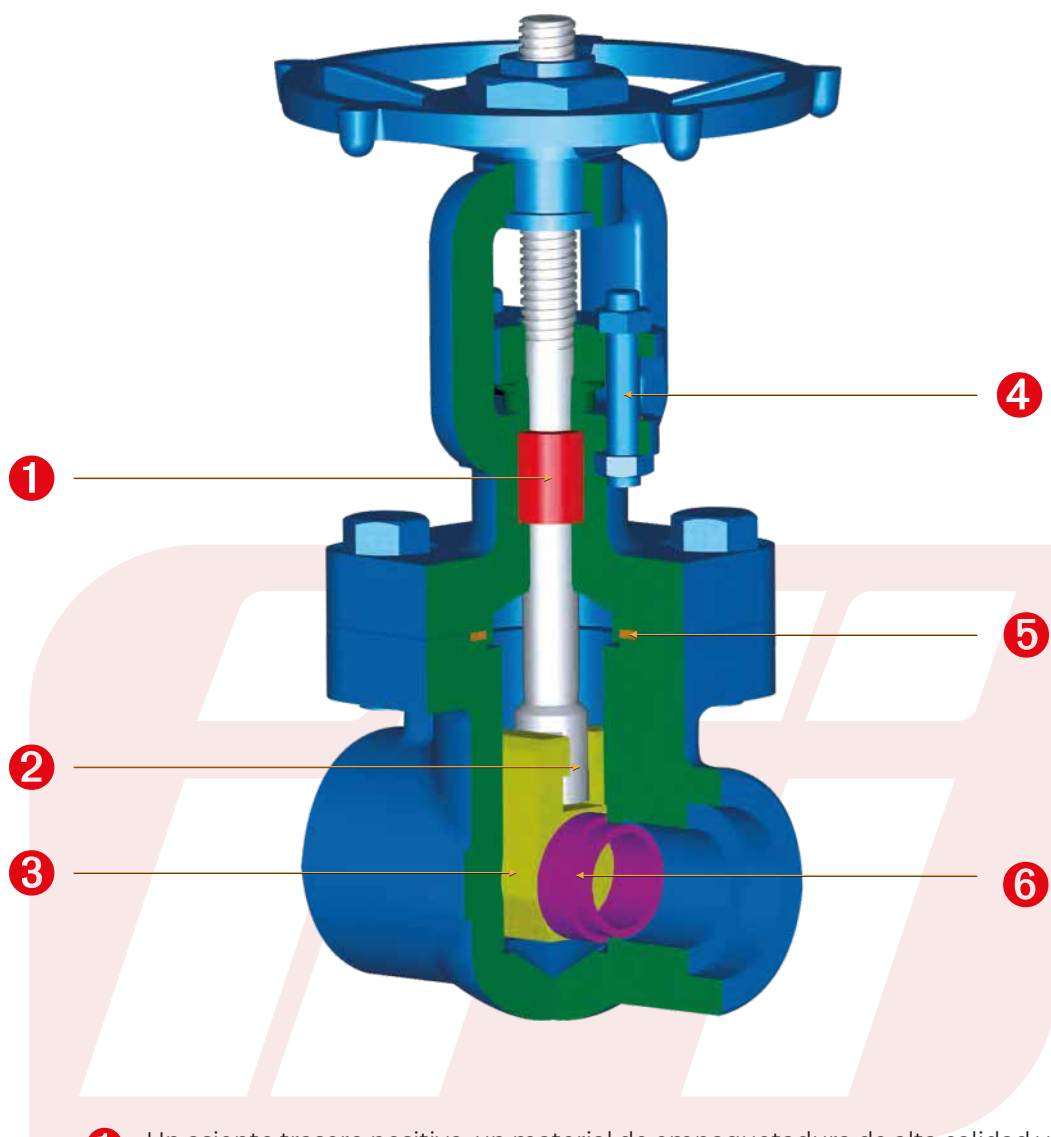
VÁLVULA DE  
**COMPUERTA**  
FORJADA

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## GATE VALVE - VÁLVULA DE COMPUERTA



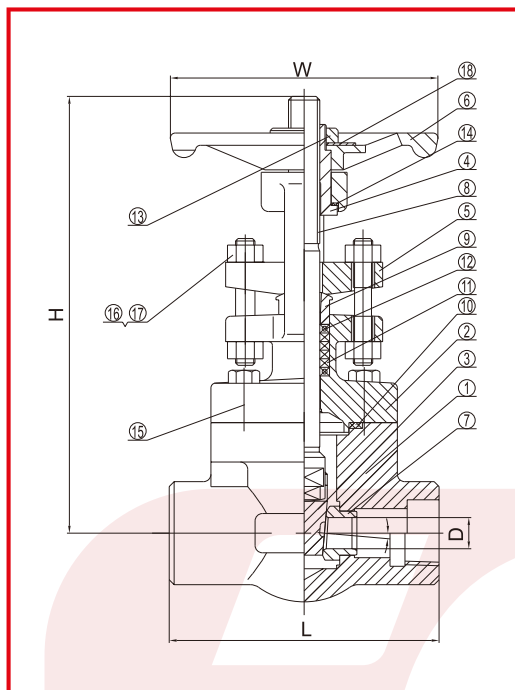
- 1** Un asiento trasero positivo, un material de empaquetadura de alta calidad y un diseño de prensaestopas mejorado garantizan un sellado del vástago más hermético.
- 2** El diseño del vástago con cabeza en T proporciona una conexión positiva entre el disco y el vástago, y garantiza un funcionamiento de asiento eficaz.
- 3** La cuña sólida totalmente guiada reduce el desgaste de las superficies de asiento.
- 4** La disposición de pernos y espárragos facilita el mantenimiento de la empaquetadura.
- 5** El diseño de la junta empotrada entre el cuerpo y la tapa captura la junta espiral de acero inoxidable, lo que garantiza la integridad del sellado entre el cuerpo y la tapa.
- 6** El diseño del asiento enrollado garantiza un montaje del asiento ajustado y eficaz

✉ [ventas@imporferri.com](mailto:ventas@imporferri.com) ☎ +593 98 903 6764 📍 Lotización Puertas de Alcalá, Pasaje S/N, Lote 1, La Planicie - San José de Morán, Quito-Ecuador

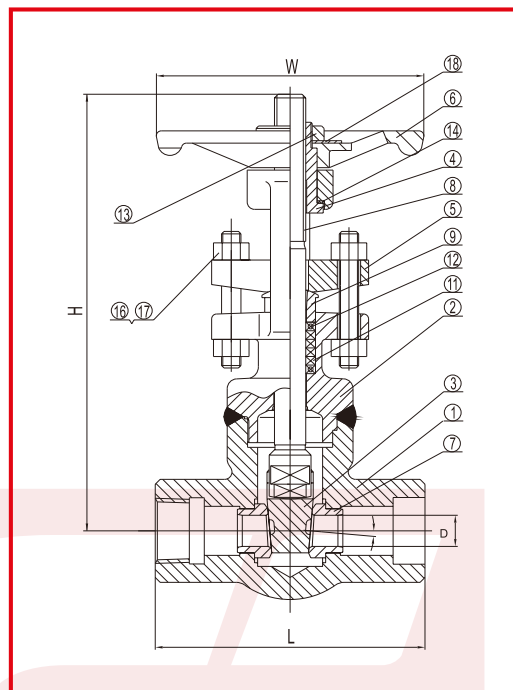
Aseguramos tu inversión garantizando que tus materiales cumplan con las certificaciones internacionales de calidad. Todos nuestros materiales incluyen certificado de calidad.



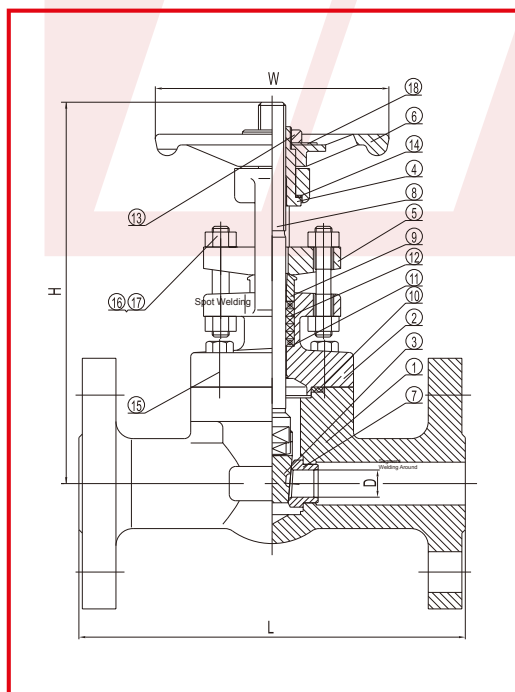
## Drawing



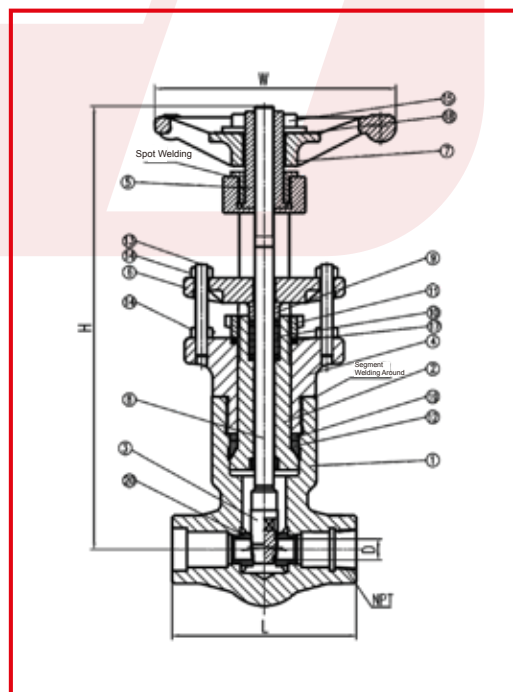
Bolted Bonnet



Welded Bonnet



Integral Flanged Ends



Pressure Seal Bonnet Connection



## Material List

### Material List

| NO. | Description of Parts | Material                    |                             |                                   |
|-----|----------------------|-----------------------------|-----------------------------|-----------------------------------|
|     |                      | Standard                    | High Temperature            | Stainless Steel                   |
| 1   | BODY                 | ASTM A105 N                 | ASTM A182-F11/F22           | ASTM A182-F304/F316               |
| 2   | BONNET               | ASTM A105 N                 | ASTM A182-F11/F22           | ASTM A182-F304/F316               |
| 3   | WEDGE                | ASTM A182-F6a               | ASTM A182-F6a               | ASTM A182-F304/F316               |
| 4   | STEM NUT             | ASTM A276-420               | ASTM A276-420               | ASTM A276-420                     |
| 5   | GLAND FLANGE         | ASTM A216-WCB               | ASTM A216-WCB               | ASTM A351-CF8                     |
| 6   | HANDWHEEL            | DUCTILE IRON                | DUCTILE IRON                | DUCTILE IRON                      |
| 7   | SEAT RING            | ASTM A276-410/STL.OVERLAY   | ASTM A276-410/STL.OVERLAY   | ASTM A182-F304/F316/STL.6 OVERLAY |
| 8   | STEM                 | ASTM A182-F6a               | ASTM A182-F6a               | ASTM A182-F304/F316               |
| 9   | GLAND                | ASTM A276-420               | ASTM A276-420               | ASTM A276-304/316                 |
| 10  | GASKET               | 304SS/SPIRAL WOUND GRAPHITE | 304SS/SPIRAL WOUND GRAPHITE | 304/316SS/SPIRAL WOUND GRAPHITE   |
| 11  | PACKING              | GRAPHITE                    | GRAPHITE                    | GRAPHITE                          |
| 12  | PACKING              | CARBON YARN                 | CARBON YARN                 | CARBON YARN                       |
| 13  | HANDWHEEL NUT        | CARBON STEEL                | CARBON STEEL                | ASTM A276-304                     |
| 14  | WASHER               | ASTM A276-304               | ASTM A276-304               | ASTM A276-304                     |
| 15  | STUD                 | ASTM A193-B7                | ASTM A193-B16               | ASTM A193-B8                      |
| 16  | BOLT                 | ASTM A193-B8                | ASTM A193-B8                | ASTM A193-B8                      |
| 17  | NUT                  | ASTM A194-8                 | ASTM A194-8                 | ASTM A194-8                       |
| 18  | NAME PLATE           | ASTM A276-304               | ASTM A276-304               | ASTM A276-304                     |

### Class 800 Bolted Bonnet or Welded Bonnet

Regular and Full Port - API602. Outside Screw & Yoke - Threaded and Socket Weld Ends

| Regular Port         | Size  |               | 3/8 |      | 1/2 |      | 3/4  |      | 1    |      | 1-1/4 |       | 1-1/2 |       | 2     |       |
|----------------------|-------|---------------|-----|------|-----|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| Full Port            | Size  |               | 1/4 |      | 3/8 |      | 1/2  |      | 3/4  |      | 1     |       | 1-1/4 |       | 1-1/2 |       |
| End to End           | L     |               | mm  | in   | mm  | in   | mm   | in   | mm   | in   | mm    | in    | mm    | in    | mm    | in    |
|                      |       |               | 76  | 2.99 | 76  | 2.99 | 86   | 3.39 | 102  | 4.02 | 118   | 4.65  | 118   | 4.65  | 132   | 5.20  |
| Bore Diameter        | D     |               | 9.5 | 0.37 | 9.5 | 0.37 | 12.7 | 0.50 | 17.5 | 0.69 | 23.8  | 0.94  | 28.6  | 1.13  | 36.5  | 1.44  |
| Center to Top (Open) | H     | Bolted Bonnet | 144 | 5.68 | 144 | 5.68 | 151  | 5.95 | 178  | 7.02 | 245   | 9.65  | 247   | 9.73  | 269   | 10.58 |
|                      |       | Welded Bonnet | 157 | 6.19 | 157 | 6.19 | 165  | 6.51 | 192  | 7.57 | 272   | 10.70 | 277   | 10.92 | 283   | 11.15 |
| Handwheel            | W     |               | 90  | 3.54 | 90  | 3.54 | 90   | 3.54 | 110  | 4.33 | 150   | 5.91  | 150   | 5.91  | 150   | 5.91  |
| Approx. Weight       | Kg/Lb |               | 1.5 | 3.31 | 1.5 | 3.31 | 2.0  | 4.41 | 3.0  | 6.61 | 4.0   | 8.82  | 5.5   | 12.13 | 7.5   | 16.53 |

### Class 900/1500 Bolted Bonnet or Welded Bonnet

Regular and Full Port - API602. Outside Screw & Yoke - Threaded and Socket Weld Ends

| Regular Port         | Size  |               | 3/8 |      | 1/2 |      | 3/4  |      | 1   |       | 1-1/4 |       | 1-1/2 |       | 2     |       |
|----------------------|-------|---------------|-----|------|-----|------|------|------|-----|-------|-------|-------|-------|-------|-------|-------|
| Full Port            | Size  |               | 1/4 |      | 3/8 |      | 1/2  |      | 3/4 |       | 1     |       | 1-1/4 |       | 1-1/2 |       |
| End to End           | L     |               | mm  | in   | mm  | in   | mm   | in   | mm  | in    | mm    | in    | mm    | in    | mm    | in    |
|                      |       |               | 90  | 3.54 | 90  | 3.54 | 104  | 4.09 | 120 | 4.72  | 130   | 5.12  | 130   | 5.12  | 150   | 5.91  |
| Bore Diameter        | D     |               | 6.5 | 0.26 | 9.5 | 0.37 | 12.7 | 0.50 | 16  | 0.63  | 22.5  | 0.89  | 27    | 1.06  | 35    | 1.38  |
| Center to Top (Open) | H     | Bolted Bonnet | 163 | 6.41 | 163 | 6.41 | 190  | 7.47 | 225 | 8.85  | 263   | 10.33 | 264   | 10.41 | 319   | 12.57 |
|                      |       | Welded Bonnet | 177 | 6.98 | 177 | 6.98 | 206  | 8.09 | 240 | 9.44  | 271   | 10.66 | 276   | 10.86 | 325   | 12.81 |
| Handwheel            | W     |               | 90  | 3.54 | 90  | 3.54 | 110  | 4.33 | 150 | 5.91  | 150   | 5.91  | 150   | 5.91  | 180   | 7.09  |
| Approx. Weight       | Kg/Lb |               | 2.5 | 5.51 | 2.5 | 5.51 | 3.5  | 7.72 | 5.5 | 12.13 | 8.0   | 17.64 | 8.5   | 18.74 | 14.5  | 31.97 |

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## Dimension & Weight

### Class 900/1500 Pressure Seal Bonnet

Regular and Full Port - API602. Outside Screw & Yoke - Threaded and Socket Weld Ends

| Regular Port         | Size  | 3/8 |    | 1/2 |      | 3/4  |       | 1     |       | 1-1/4 |       | 1-1/2 |       | 2     |       |
|----------------------|-------|-----|----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Full Port            | Size  | 1/4 |    | 3/8 |      | 1/2  |       | 3/4   |       | 1     |       | 1-1/4 |       | 1-1/2 |       |
| End to End           | L     | mm  | in | mm  | in   | mm   | in    | mm    | in    | mm    | in    | mm    | in    | mm    | in    |
|                      |       | -   | -  | 120 | 4.72 | 120  | 4.72  | 140   | 5.51  | 178   | 7.01  | 178   | 7.01  | 216   | 8.50  |
| Bore Diameter        | D     | -   | -  | 9.5 | 0.37 | 12.7 | 0.50  | 16    | 0.63  | 27    | 1.06  | 27    | 1.06  | 35    | 1.38  |
| Center to Top (Open) | H     | -   | -  | 230 | 9.06 | 294  | 11.57 | 337.5 | 13.29 | 396.5 | 15.61 | 396.5 | 15.61 | 449   | 17.68 |
| Handwheel            | W     | -   | -  | 110 | 4.33 | 110  | 4.33  | 150   | 5.91  | 150   | 5.91  | 150   | 5.91  | 180   | 7.09  |
| Approx. Weight       | Kg/Lb | -   | -  | 3.8 | 8.38 | 5.3  | 11.68 | 8.3   | 18.30 | 12.8  | 28.22 | 12.8  | 28.22 | 21.8  | 48.06 |

### Class 2500 Welded Bonnet

Regular and Full Port - ASME B16.34. Outside Screw & Yoke - Threaded and Socket Weld Ends

| Regular Port         | Size  | 3/8 |    | 1/2 |       | 3/4  |       | 1   |       | 1-1/4 |       | 1-1/2 |       | 2     |       |
|----------------------|-------|-----|----|-----|-------|------|-------|-----|-------|-------|-------|-------|-------|-------|-------|
| Full Port            | Size  | 1/4 |    | 3/8 |       | 1/2  |       | 3/4 |       | 1     |       | 1-1/4 |       | 1-1/2 |       |
| End to End           | L     | mm  | in | mm  | in    | mm   | in    | mm  | in    | mm    | in    | mm    | in    | mm    | in    |
|                      |       | -   | -  | 178 | 7.01  | 178  | 7.01  | 186 | 7.32  | 232   | 9.13  | 232   | 9.13  | 279   | 10.98 |
| Bore Diameter        | D     | -   | -  | 9.0 | 0.35  | 12.0 | 0.47  | 15  | 0.59  | 27    | 1.06  | 27    | 1.06  | 35    | 1.38  |
| Center to Top (Open) | H     | -   | -  | 295 | 11.61 | 295  | 11.61 | 345 | 13.58 | 410   | 16.14 | 410   | 16.14 | 460   | 18.11 |
| Handwheel            | W     | -   | -  | 150 | 5.91  | 150  | 5.91  | 180 | 7.09  | 250   | 9.84  | 250   | 9.84  | 350   | 13.78 |
| Approx. Weight       | Kg/Lb | -   | -  | 8.0 | 17.64 | 8.0  | 17.64 | 11  | 24.25 | 20    | 44.09 | 20    | 44.09 | 25    | 55.12 |

### Class 2500 Pressure Seal Bonnet

Regular and Full Port - ASME B16.34. Outside Screw & Yoke - Threaded and Socket Weld Ends

| Regular Port         | Size  | 3/8 |    | 1/2  |       | 3/4  |       | 1     |       | 1-1/4 |       | 1-1/2 |       | 2     |       |
|----------------------|-------|-----|----|------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Full Port            | Size  | 1/4 |    | 3/8  |       | 1/2  |       | 3/4   |       | 1     |       | 1-1/4 |       | 1-1/2 |       |
| End to End           | L     | mm  | in | mm   | in    | mm   | in    | mm    | in    | mm    | in    | mm    | in    | mm    | in    |
|                      |       | -   | -  | 178  | 7.01  | 178  | 7.01  | 186   | 7.32  | 232   | 9.13  | 232   | 9.13  | 279   | 10.98 |
| Bore Diameter        | D     | -   | -  | 9.0  | 0.35  | 12.0 | 0.47  | 15    | 0.59  | 27    | 1.06  | 27    | 1.06  | 35    | 1.38  |
| Center to Top (Open) | H     | -   | -  | 383  | 15.08 | 383  | 15.08 | 406.5 | 16.00 | 454.5 | 17.89 | 454.5 | 17.89 | 540   | 21.26 |
| Handwheel            | W     | -   | -  | 150  | 5.91  | 150  | 5.91  | 180   | 7.09  | 250   | 9.84  | 250   | 9.84  | 350   | 13.78 |
| Approx. Weight       | Kg/Lb | -   | -  | 10.0 | 22.05 | 10.0 | 22.05 | 13    | 28.66 | 21.8  | 48.06 | 21.8  | 48.06 | 28    | 61.73 |

### Class 150-300-600 Overall-end Flange, Bolted Bonnet, Structure Length-ASME B16.10

Regular Port - API 602. Outside Yoke & Overall-end Flange - ASME B16.5

| Regular Port         |           | Size  | 1/2  |      | 3/4   |       | 1     |       | 1-1/2 |       | 2     |       |
|----------------------|-----------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| End to End           |           | L     | mm   | in   | mm    | in    | mm    | in    | mm    | in    | mm    | in    |
|                      |           |       | 108  | 4.25 | 117   | 4.61  | 127   | 5     | 165   | 6.50  | 178   | 7.01  |
|                      |           |       | 140  | 5.51 | 152   | 5.98  | 165   | 6.50  | 190   | 7.48  | 216   | 8.50  |
|                      |           |       | 165  | 6.50 | 190   | 7.48  | 216   | 8.50  | 241   | 9.49  | 292   | 11.50 |
| Bore Diameter        |           | D     | 9.50 | 0.37 | 12.7  | 0.50  | 17.5  | 0.69  | 28.6  | 1.13  | 36.5  | 1.44  |
| Center to Top (Open) |           | H     | 45.5 | 5.73 | 151.8 | 5.98  | 179.7 | 7.07  | 247   | 9.72  | 268.7 | 10.58 |
| Handwheel            |           | W     | 90   | 3.54 | 90    | 3.54  | 110   | 4.33  | 150   | 5.91  | 150   | 5.91  |
| Approx. Weight       | Class 150 | Kg/Lb | 3    | 6.61 | 3.8   | 8.38  | 4.8   | 10.58 | 10    | 22.05 | 15    | 33.07 |
|                      | Class 300 |       | 3.4  | 7.50 | 4.5   | 9.92  | 5.7   | 12.57 | 11.5  | 25.35 | 17    | 37.48 |
|                      | Class 600 |       | 4    | 8.82 | 5.2   | 11.46 | 6.6   | 14.55 | 12.7  | 28.00 | 18    | 39.68 |