

Flange-Metal-seat ball valve



Construction Features

Processing through special techniques, the globe body and valve seat are especially applicable for high-temperatures and the medium containing dusts and solid particles.

1.The specially-designed compensatory movable valve seat construction made from metal which is of great reliability in its sealing performance.

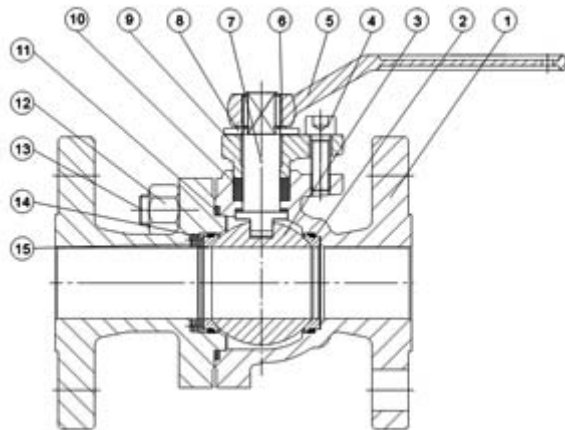
2.this ball valve series should be applied in accordance to the specified flow direction.

3.Multiple driving devices could be prepared for this series.

Main Parts and Materials

| No | Accessory name | Material | |
|----|----------------|------------|----------|
| | | CB | ASTM |
| 1 | Body | WCB | A216-WCB |
| 2 | Seat | 1Cr18Ni9Ti | 304 |
| 3 | Ball | 2Cr13 | A276-420 |
| 4 | Screw bolt | 35 | A193-B7 |

| | | | |
|----|---------------|--------------------------|-------------------|
| 5 | Wrench | A47-667 Gr. 32510 | A47-667 Gr. 32510 |
| 6 | Ring | 65Mn | AISI 1066 |
| 7 | Stem | 1Cr13 | A276-410 |
| 8 | limited plate | 25 | A105 |
| 9 | Gland | WCB | A216-WCB |
| 10 | packing | graphite PTFE | graphite PTFE |
| 11 | Gasket | graphite+stainless steel | B12.10-304/F.G |
| 12 | Nut | 35 | A194-2H |
| 13 | Stud | 35CrMoA | A193-B7 |
| 14 | Gasket | 1Cr18Ni9Ti | 304 |
| 15 | Spring | 60Si2Mn | AISI 9260 |



Performance Specification of the Products

| Pressure Rating | | | | | | | | | | |
|------------------------|--------------------|-----------------------------------|------|------|------|------|------|-----|------|------|
| | | 1.6 | 2.5 | 4.0 | 6.4 | 10.0 | 15.0 | 300 | 400 | 600 |
| Test Pressure (MPa) | Shell Test | 2.4 | 3.75 | 6.0 | 9.6 | 15.0 | 3.03 | 7.5 | 10.2 | 15.0 |
| | Pressure Test | 1.76 | 2.75 | 4.47 | 7.04 | 11.0 | 2.25 | 5.7 | 7.48 | 11.0 |
| Applicable | Applicable Mediums | Pulps like paper pulp, dusts, and | | | | | | | | |

| | | |
|--------------------------|--|---|
| Operating Mode | | medium with solid particles. |
| | Applicable Temperature | -196~≤550℃ |
| Applicable specification | The designing and manufacturing work follows | GB12237-89 API 6D JPI7S-48 |
| | Flange dimension according | JB79-59、GB9113、HG20592-97 ANSI B16.5 JIS B2212-2214 |
| | Physical dimension according | GB12221-89 ANSI B16.10 AIS B2002 |
| | Test and inspection according | JB/T9092-99 API 598 |