

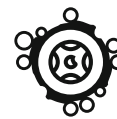
PATENTED TrueFloat[®] TECHNOLOGY

Floating ball valve design with metal connection between stem & ball prevents PFA abrasion



SECURE & LEAKAGE FREE

Sophisticated sealing systems of stem & body guarantees unparalleled security.



EN, ASME & JIS

Flanges & face-to-face dimensions in all common international standards available.

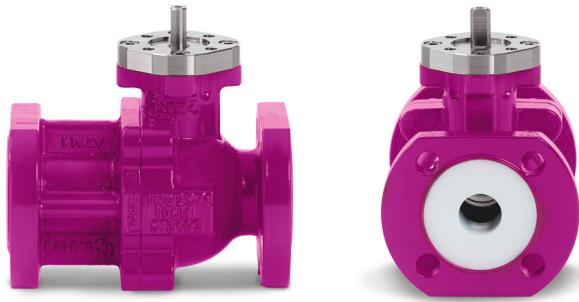
PFA Lined Ball Valve

ChemBall | CSB

As a result of the patented TrueFloat[®] Technology, ChemBall | CSB achieves an unprecedented reliability of a PFA ball valve with floating design.



PFA Lined Ball Valve ChemBall | CSB



Benefits

The **ChemBall | CSB** is the most innovative PFA lined Ball Valve available. It offers the following significant advantages for the plant operator:



PATENTED TrueFloat® TECHNOLOGY

The single piece PFA coat encloses a flexible metal core. Like this, tightness without the wearing out of PFA is ensured even with high switching cycles.

- Full tightness thanks to floating/flexible ball
- No wearing out of PFA parts thanks to metallic connected ball & stem
- Unequaled high service life



INTERNATIONAL STANDARDS

Face-to-face dimensions according to EN 558 and ASME B16.10, flange connections according to EN PN 10-16, ASME Class 150 & JIS 10K.



SECURE & LEAKAGE-FREE

Maximum tightness, security & durability is achieved by the use of proven sealing technologies in combination with the patented TrueFloat® Technology.

- Labyrinth sealing between the two body halves
- The chevron sealing system prevents stem leakages against the atmosphere. Conformity is given for TA-Luft & ISO 15848-1
- Blow-out proof stem design
- Poor of dead leg construction
- Full bore for best flow performance



ADDITIONAL QUALITY FEATURES

- + Full bore
- + A tapered groove retains the PFA in the desired position & shape
- + Maintenance-friendly design thanks to supporting foot

Technical Data

- Nominal diameters:**
DN 15-200 / ½"-8"
- Flange connections:**
 - EN 1092-1, PN 10-16
 - ASME Class 150
 - JIS 10K
- Maximal admissible working pressure:**
 - 16 bar
- Temperature range:**
 - -20° C bis 200° C
- Face-to-face length:**
 - EN 558, Series 1
 - ASME B16.10, Tables 1, A1
- Materials:**
 - Body: Ductile Iron, 5.3103
 - Inside: PFA
- Conformities:**
 - DGRL 2014/68/EU
 - ATEX 2014/34/EU
 - Food (EC) Nr. 1935/2004
 - TA-Luft, ISO 15848-1
 - PAS 1085
- Pressure tests:**
 - EN 12266-1

| Nominal diameter | Inner diameter | Face-to-face length EN | Face-to-face length ASME |
|------------------|----------------|------------------------|--------------------------|
| DN [mm/inch] | ∅ | [mm] | [mm] |
| 15 ½" | 15 | 130 | 108 |
| 20 ¾" | 20 | 150 | 117 |
| 25 1" | 25 | 160 | 127 |
| 32 1¼" | 32 | 180 | 140 |
| 40 1½" | 40 | 200 | 140 |
| 50 2" | 50 | 230 | 178 |
| 65 2½" | 65 | 290 | 190 |
| 80 3" | 80 | 310 | 203 |
| 100 4" | 100 | 350 | 229 |
| 125 5" | 125 | 400 | n/a |
| 150 6" | 150 | 480 | 267 |
| 200 8" | 200 | 600 | 292 |

