

Patented TrueFloat® Technology

Flexible, metallic stem and ball connection with single-piece PFA lining



Multiculi & Flexible!

Flange connections, stem connections and face-to-face lengths available in all common international standards



Security²

A sophisticated labyrinth seal and double chevron seals guarantee unprecedented operational security

ChemBall

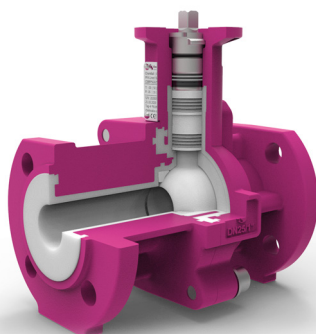
PFA Lined Ball Valve



Our patented TrueFloat® technology makes the ChemBall the most innovative PFA lined ball valve available today, offering long service life while securely handling aggressive media.

ChemBall

PFA Lined Ball Valve



Features



Patented TrueFloat® Technology

- Worldwide patented design combines the advantages of both floating and one-piece ball-stem designs
- A single-piece PFA coating encloses the dynamic, metallic connection between ball and stem
- Friction between ball and stem is eliminated to prevent age-related wear and tear



Security²

- For safety-critical applications, an optional, second chevron seal ensures increased security requirements are met
- A further optional leak detection port between the chevron seals offers integration with plant monitoring systems
- The sophisticated labyrinth seal tightly and reliably seals the two body halves for maximum security



Multiculti & Flexible!

- Flange & face-to-face dimensions available in EN, ASME & JIS
- Three different stem designs available for maximum actuator compatibility
- Head flange according to ISO 5211



Clever & Maintenance-friendly

- The bayonet mount makes replacing chevron seals effortless
- The integrated stand makes life easier
- Maintenance-free bearings for uninterrupted operation



FFF — Form Follows Function

- Full bore design for maximum flow rate
- Unique axial grooves improve flow behaviour
- Securely anchored PFA lining
- Capable of sustained operation in vacuum applications

Technical Specifications



Nominal Diameter
• DN 15–200 | ½"–8"



Flange Connection
• EN 1092-1, PN 10–16
• ASME Class 150
• JIS 10K



Top Flange
• ISO 5211



Max. Working Pressure
• 16 bar



Operating Temperature
• -20° C to 200° C



Face-to-Face Length
• EN 558, Series 1
• ASME B16.10, Table 1, Series 19



Material
• Ductile Iron
• PFA



Conformity
• PED 2014/68/EU
• ATEX 2014/34/EU
• Food (EG) Nr. 1935/2004, FDA
• TA-Luft, ISO 15848-1
• Pressure Test EN 12266-1

Torque Values

| DN [mm/inch] | MOT* [Nm] | MAST** [Nm] | | |
|-----------------|-----------|-------------|-----|-----|
| | | ANSI | EN | |
| 15 ½" | 18 | 18 | 50 | 50 |
| 20 ¾" | 18 | 18 | 50 | 50 |
| 25 1" | 18 | 18 | 50 | 50 |
| 32 1¼" | 18 | 18 | 50 | 50 |
| 40 1½" | 78 | 78 | 166 | 166 |
| 50 2" | 78 | 78 | 166 | 166 |
| 65 2½" | 120 | 120 | 359 | 359 |
| 80 3" | 120 | 120 | 359 | 359 |
| 100 4" | 168 | 168 | 359 | 359 |
| 125 5" | 204 | 204 | 359 | 359 |
| 150 6" | 240 | 240 | 665 | 665 |
| 200 8" | 360 | 360 | 665 | 665 |

*Maximum Occurring Torque

**Maximum Allowable Stem Torque - P4/D4

