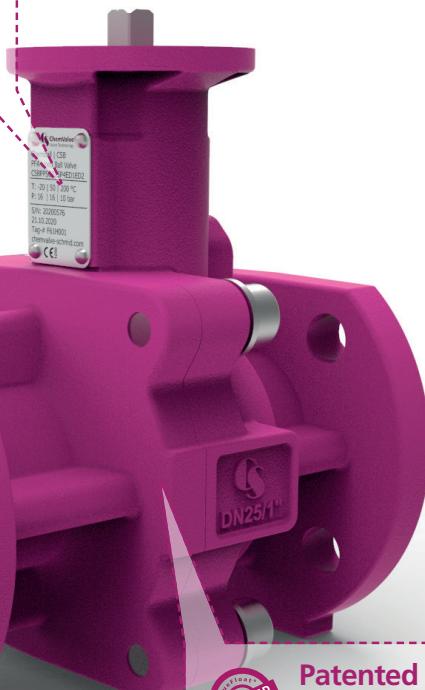




Security²

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

DN 15-200



Patented TrueFloat® Technology
Flexible, metallic stem and ball connection
with single-piece PFA lining



Multiclti & Flexible!

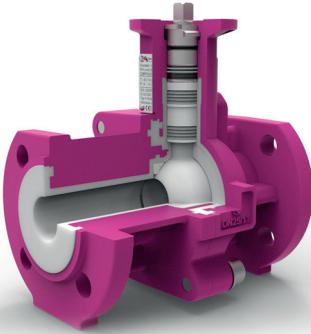
Flange connections, stem connections
and face-to-face lengths available
in all common international standards

ChemBall | CSB

PFA Lined Ball Valve



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



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



Multicultural & 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 Connections

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



Top Flange

- ISO 5211



Max. Working Pressure

- 16 bar



Temperature Range

- -20° C to 200° C



Face-to-Face Length

- EN 558, Series 1
- ASME B16.10, Table 1, Row 19



Materials

- 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	ANSI	EN
15 1/2"	15	15	24.6	24.6
20 3/4"	15	15	24.6	24.6
25 1"	15	15	24.6	24.6
32 1 1/4"	22	15	24.6	24.6
40 1 1/2"	65	65	166	166
50 2"	65	65	166	166
65 2 1/2"	80	100	359	359
80 3"	170	100	359	359
100 4"	140	140	359	359
125 5"	170	170	359	359
150 6"	200	200	665	665
200 8"	300	300	665	665

*Maximum Occurring Torque

**Maximum Allowable Stem Torque - P4/D4

