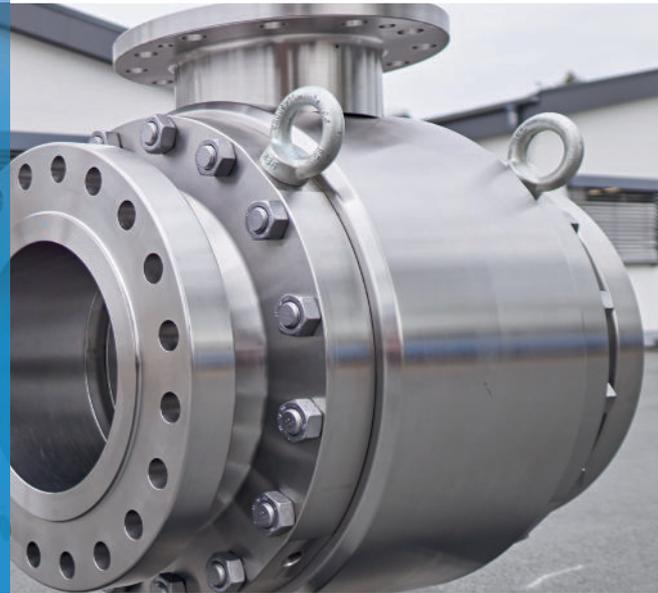


BALL VALVES FOR CO₂-APPLICATIONS

More than 30 years of experience in the design and production of ball valves and wellheads for critical applications



SPECIAL DESIGN FOR CO₂ BALL VALVES

DESIGN

- Metal-seated, gas-tight ball valve
- Process-specific, CO₂-suitable, metallic materials
- Stable under pressure and temperature changes



SEALING CONCEPT

- Main seal metal-to-metal
- Other seals specially designed for CO₂ use
- Prevention of explosive decompression

REGULATIONS

- ISO 15848-1 / TA-Luft
- DVGW C 491
- NORSOK M-710 for elastomers



Long-term CO₂ integrity



Also for supercritical CO₂ applications

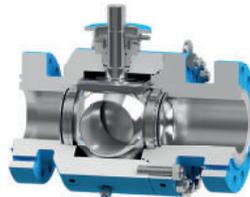
OPTIONS: MULTIPLE BARRIERS IN PRESSURE DIRECTION

DOUBLE ISOLATION AND BLEED 1 (DIB-1)



- Double piston on both sides
- 2 barriers in both directions
- Application: Gas
- Increased safety by a factor of 2

DOUBLE ISOLATION AND BLEED 2 (DIB-2)



- Single piston on one side, double piston on the other side
- 2 barriers in one direction
- Application: gas and liquid
- Increase in safety by a factor of 2

TWIN BALL VALVE

- 2 balls in one housing
- Up to 4 barriers in pressure direction
- Increase in safety by a factor of 2-4



CONTACT



PETER WEGJAN

P.Wegjan@hartmann-valves.com

Phone: +49 5141 3841 82

Mobile: +49 151 40243371

Hartmann Valves GmbH

Bussardweg 15

31303 Burgdorf-Ehlershausen

Germany