



GEKO Fluid Control GmbH

GEKO
CONTROL-VALVES

**Cryogenic Ball Valves
Floating And Trunnion Mounted Design**



**Control&On-off Valve Manufacture
Since 1956**

Cryogenic ball valves floating and trunnion mounted: CRY

Floating and trunnion mounted ball valves, with extended bonnet materials and seals specifically engineered and tested to suit cryogenic applications

FIRE SAFE TO API 607, BS 6755

1. Body gasket SS 316 and graphite (standard).
2. Ball seats on body edge.
3. Stem shoulder seats on body.



DESIGN FEATURES:

- Meets ASME B16.5, ASME B16.34, API 608, API 598.
- Face-to-face dimensions meet ASME B16.10 long pattern.
- Memory Seal seats compensate automatically for wear and fluctuations of pressure and temperature.
- Long cycle life.
- Low torques.
- Blowout-proof stem.
- Stem bearing reduces side thrust.
- Multiple solid PTFE or chevron type stem seal (adjustable).
- Live-loaded thrust washer prevents galling and provide secondary stem seal.
- Fully enclosed spiral wound graphite filled stainless body gasket.
- Air vent on all balls.

FEATURES

Blowout-Proof One-Piece Stem

GEKO's CRY line of cryogenic valves utilize a one-piece stem that engages the ball and is secured in the valve cavity with a large, threaded stem collar that is set-screwed for safety.



A retaining ring threads to the bottom of the stem, which resists from blowing out.



Once the retaining ring is threaded to the bottom of the stem, it is set-screwed in place to prevent rotation.



Stem Seal Design

The valve's stem sealing capability is further enhanced by a welded bonnet design and V-ring packing that can be adjusted by a simple turn of the stem nut. The rings of the PTFE V-ring or graphoil packing, which sit on a shoulder machined on the stem. This allows the packing and stem to move as a unit during thermal cycles. In addition, the packing is live-loaded, retained by self compensating Belleville spring washers, and a packing adjustment nut. These features, coupled with close tolerance machining and finish of the packing bore, provide long stem seal life with reduced maintenance.

Fire Tested and Certified to API 607

The design includes a fire lip in the innermost diameter of the endplate.



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APIQ1-6D



ATECX 94/9/EC



ISO 9001



97/23/EC/PED



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