

CRYOGENIC BALL VALVE

Top Entry Cryogenic Trunnion Mounted Ball Valve

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SPECIFICATIONS

Size	DN15 to DN600
Pressure	Class 150 to Class 2500
Temperature	-196°C to 150°C
Media	LNG, LPG, Liquid nitrogen, Liquid oxygen, Natural gas, Oil, Gas

ACTUATION

- Manual
- Pneumatic
- Electric

APPLICATIONS

- LNG
- LPG
- Long-distance oil and gas pipelines
- Natural gas pipelines
- Deep cold environments with high safety requirements



MATERIALS

Body **Stainless Steel, Alloy Steel**

FEATURES

- Top entry (jacketed) structure permits online maintenance without dismantling the pipeline; valve seat or sealing parts can be quickly replaced
- Fixed ball design reduces ball wear
- Low-torque valve stem bearing system for reduced operating effort and extended service life
- Bidirectional metal sealing structure maintains sealing integrity under high pressure differentials
- Cold flow phenomena avoided through material optimisation and structural simulation
- Overall design balances lightweight construction with high strength
- Supports electric, pneumatic, or manual actuation for automated control compatibility

OPTIONS & NOTES

- Technical specification available as download
- Operator options listed as 'Manual, Pneumatic, Electric, etc...'