

CRYOGENIC BALL VALVE

# Top Entry Cryogenic C-Type Ball Valve

REF EFC-481 ISSUED 06 Jul 2026

## SPECIFICATIONS

Size	NPS 1/2" to NPS 24"
Pressure	Class 150 to Class 2500
Temperature	-196°C to 150°C
Media	Liquefied Natural Gas (LNG), Liquid Oxygen, Liquid Nitrogen, LPG, Oil, Gas, Natural Gas

## ACTUATION

- Manual
- Pneumatic
- Electric

## APPLICATIONS

- LNG
- LPG
- Cryogenic fluid control
- Long-distance oil and gas pipelines
- Natural gas pipelines



Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

**EFC-481** · Specifications confirmed at quote

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## MATERIALS

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Body	<b>Stainless Steel, Alloy Steel, Nickel-based Alloy</b>	Seat seal	<b>PCTFE</b>
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## FEATURES

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- C-type body profile reduces fluid turbulence and pressure loss
- Top entry design permits removal and installation of ball and seat without removing valve from pipeline
- Fixed ball design reduces fluid erosion of the ball and extends service life
- Constructed from materials suitable for ultra-low temperature environments (stainless steel, nickel-based alloy)
- PCTFE sealing material provides good low-temperature sealing performance
- Optional thermal insulation layer to prevent external heat ingress and maintain ultra-low fluid temperature

## OPTIONS & NOTES

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- Operator options include Manual, Pneumatic, Electric, etc.
- Thermal insulation layer is optional (valve may be equipped with)