

CRYOGENIC GLOBE VALVE

Cryogenic Globe Valve

REF **EFC-493** ISSUED 06 Jul 2026

SPECIFICATIONS

Size	DN15 to DN600
Pressure	Class 150 / PN10 to Class 2500 / PN420
Temperature	-196°C to 150°C
Media	LNG, LPG, Liquid oxygen, Natural gas, Oil, Gas

ACTUATION

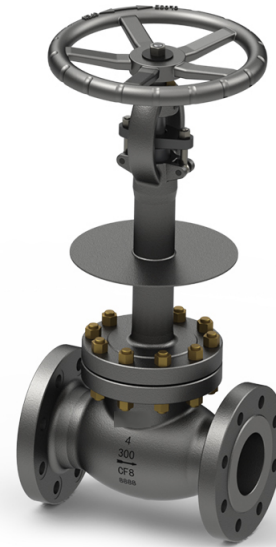
- Manual
- Pneumatic
- Electric

STANDARDS

Design	BS 6364
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APPLICATIONS

- LNG storage and transportation
- LNG refuelling stations
- Air separation equipment
- Low-temperature chemical systems
- Long-distance oil, gas, and natural gas pipelines



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

MATERIALS

Body	Austenitic Stainless Steel	Stem	Surface hardened steel
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FEATURES

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- Forged valve body with precisely ground sealing surfaces
 - Zero leakage performance at -196°C
 - Extended neck stem design
 - Vacuum insulation structure on valve cover to prevent external frosting
 - Stem surface hardened and paired with self-lubricating bearings for smooth low-temperature operation
 - Flat seal or conical seal configuration selectable based on pressure rating
 - Bellows sealing option available for absolute sealing requirements
 - Special deep-cold treatment of austenitic stainless steel body

OPTIONS & NOTES

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- Operator options listed as: Manual, Pneumatic, Electric, etc...
 - NPS 1/2*~24* noted with asterisks — exact size range boundaries may require confirmation