

CRYOGENIC GATE VALVE

# Cryogenic Gate Valve

REF **EFC-492** ISSUED 06 Jul 2026

## SPECIFICATIONS

Size	<b>DN15 to DN600</b>
Pressure	<b>Class 150 / PN10 to Class 2500 / PN420</b>
Temperature	<b>-196°C to 150°C</b>
Media	<b>LNG, LPG, liquid oxygen, liquid natural gas, oil, gas, natural gas</b>

## ACTUATION

- Manual
- Pneumatic
- Electric

## APPLICATIONS

- LNG terminals and pipelines
- LPG service
- Cryogenic low-temperature conditions
- Long-distance oil, gas, and natural gas pipelines



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

**EFC-492** · Specifications confirmed at quote

sales@euroflowcontrol.com · euroflowcontrol.com

## MATERIALS

---

Body                      **Stainless Steel, Alloy Steel**

---

## FEATURES

---

- Long-neck bonnet design: bonnet neck extended to reduce cold transmission to operating mechanism and prevent packing from freezing; neck length calculated based on thermal conductivity and heat dissipation coefficient of material to ensure packing box bottom temperature remains above 0 °C
- Anti-abnormal-pressure-rise structure: pressure relief hole on inlet side of gate plate allows cavity pressure to vent, preventing gate plate from being locked against seat
- Gate movement perpendicular to fluid flow direction
- Two wedge-shaped sealing surfaces; wedge angle varies with valve parameters
- Full-open and full-closed service only; no throttling or regulation

## OPTIONS & NOTES

---

- NPS 1/2\* ~ 24\* (asterisk notation as stated on page)
- Operator options listed as 'Manual, Pneumatic, Electric, etc...'