

Achieve Precision Control in Cryogenic Applications with the Fisher™ IC2 Top-Entry Globe Control Valve



FISHER™

Engineered for extremes and reliable at -452°F (-269°C).

Energy loss is a concern in cryogenic applications.

Product and energy losses lead to emissions, reduced profitability, and high maintenance costs. These are significant challenges in cryogenic applications such as air separation units, hydrogen liquefaction, and LNG production.

Reliability in the harshest temperatures.

Drawing on the expertise of the Fisher brand, the Fisher IC2 control valve delivers exceptional longevity and reliability in low-temperature applications, withstanding temperatures as low as -452°F (-269°C). It is equipped with a Fisher™ enhanced ENVIRO-SEAL™ packing system and available bellows to minimize leakage. Additionally, the valve's narrow extension diameter, fluid baffle and other thermal features reduce heat conduction, thereby lowering the energy required to maintain process fluid temperatures.

To reduce maintenance costs and downtime, the Fisher IC2 control valve offers exceptional serviceability through a single-packing nut, modular stem assembly, independently replaceable bellows, and a replaceable valve plug and seat ring with an available special tool for seat ring removal. This product is available in line sizes from NPS 1 to 4, rated for CL600 pressure classes with more options available in near future.



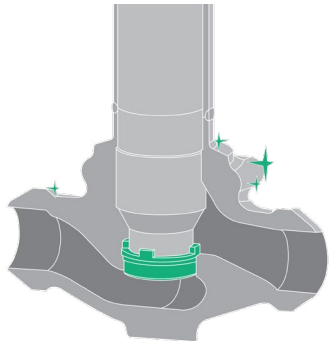
Fisher IC2 cryogenic top-entry control valve with a Fisher™ 667 actuator



EMERSON™

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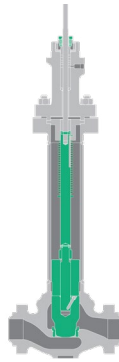
A top-entry control valve for cryogenic applications.



Cryogenic Design Features

The stainless steel valve body and extension are designed to meet low-temperature requirements. The metal-to-metal seat provides repeatable shutoff.

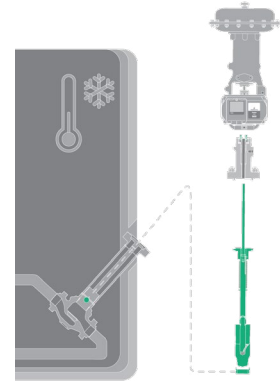
► [See product bulletin](#)



Ease of Service and Installation

Features include a reliable and easy to adjust packing nut, modular stem assembly, and interchangeable plug and seat ring.

► [See product bulletin](#)



Top-Entry Design

The trim is extractable through the extension, allowing maintenance while the valve is enclosed in an insulated structure.

► [View instruction manual](#)

Additional Product Benefits

- **High Performance Thermal Features:** A tight-fit baffle prevents circulation of cryogenic fluid into the extension and optional displacer to further insulate the body extension.
- **Fugitive Emission Protection:** The Fisher enhanced ENVIRO-SEAL packing system provides a superior seal to help keep emissions low.
- **Service Life:** Hardened stainless steel trim increases wear resistance and provides long service life.

Learn More

- View product details at Emerson.com/FisherIC2
- Find an Emerson sales office near you Emerson.com/ContactUs

Fisher IC2 cryogenic top-entry control valve



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