

**Despite extreme climates,
your plant remains reliable
and your people safe.**



Low-Temperature Fisher™ Control Valve Solutions

In extremely cold climates, reduce the exposure of personnel and keep your plant running without additional winterization equipment.



Enable reliable plant operation so you can avoid exposing maintenance staff to danger.



Using winterization blankets and trace heating to protect equipment increases the complexity of operating your plant. What if your valves operated reliably at the lowest ambient temperature to avoid the risk of personnel exposure?

Industries are moving to challenging environments such as those with arctic temperatures as low as -60°C (-76°F) in extreme northern regions of Alaska, Canada, and Russia, which creates additional problems.

Your challenge is to keep your plant operating even in extreme temperatures, and you need to be sure that the chosen equipment is up to that challenge without using heating and winterization blankets.

It appears the soft materials in control valve components are simply changed for low temperatures to comply to the requirements, but this is no guarantee that the products will work. Product failures will impact plant unit efficiency, maintenance activities and costs, plus require operators to go outside to perform repairs, increasing the danger of exposure. These cold climates require valve assemblies specifically designed and tested for proven reliability.

Low-temperature Fisher control valve assemblies are GOST 15150-69 compliant.



Emerson offers fully tested Fisher control valve assemblies for excursions to low ambient temperature service conditions down to -60°C (-76°F). Choosing Emerson means putting the best low-temperature equipment and expertise on your side. There is a broad product selection and service capabilities. With GOST 15150-69 compliant, low-temperature Fisher control valves and devices you'll be able to move with the rest of the industry away from winterization blankets and trace heating—and even get a step ahead. You'll have a fully tested, proven, and reliable solution that will operate in the coldest climate. We have a specific low-temperature Fisher product line that has gone through exhaustive laboratory testing.

Specify -60°C (-76°F) in any one- to two-year period for up to six hours in operation or storage.

FISHER™

EAC





Eliminate personnel exposure and ensure control valve performance.

When extremely low temperatures cause valve assemblies to fail, you have to decide whether it's feasible—economically or climatically—to start repairs immediately, or to modify operating conditions to allow for later maintenance. Sending personnel out to conduct repairs in hazardous conditions can put them in real danger and lead to rushed repairs. You can avoid exposing personnel to danger by using proven low-temperature Fisher products, accessing control valve diagnostics on those products, and planning safer cold-weather repairs.

What's your challenge?



Extremely low ambient temperatures cause slow control valve responsiveness, negatively impacting your process.

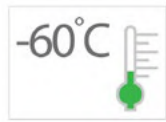
What's your opportunity?



Low-temperature Fisher product designs have been proof tested in environmental chambers at extremely cold temperatures. Researchers set the products to operate as they would in a customer's facility and verify that mechanical operation is as advertised.

Comply with requirements for extreme conditions

EAC



GOST and SIL Certification. Fisher products comply with GOST 15150-69 without the need for additional costly energy-consuming trace heating, ensuring no degradation in valve performance. If required, the full assembly can be certified as per functional safety standard IEC61508. Your Fisher control valves can be stored without risk of material degradation.

View more, plan better, maintain safer



Fisher FIELDVUE™ Performance Diagnostic Tests. Tests enable insight to condition and performance of the entire valve assembly while the valve is actively controlling the process.



Condition Monitoring. Our subject matter experts can remotely monitor smart control valves in your plant and provide an early warning for pending reliability problems and performance deterioration.

Cut down on cold-weather repairs

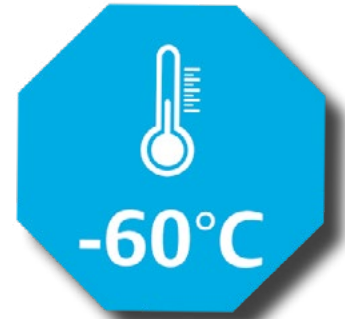


Safer Maintenance. Reduce the exposure of your personnel because costly heat tracing isn't needed.



To learn more about us, visit Emerson.com or contact **your local Emerson expert**

Low-Temperature Fisher Control Valve Solutions



Globe Valves

Fisher easy-e™ Valves



Fisher High-Pressure Valves



Fisher GX Valves



Globe Actuators

Fisher 657 and 667 Actuators



Fisher 585C Actuators

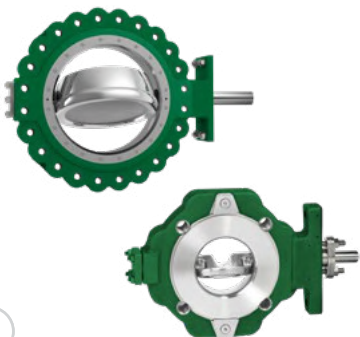


Fisher 785C Actuators



Rotary Valves and Actuators

Fisher Butterfly Valves



Fisher Vee-Ball™ Valves



Fisher Eccentric Plug Valves



Fisher 2052 Actuators



Fisher FIELDVUE DVC6200 Digital Valve Controllers



- Fisher FIELDVUE digital valve controllers are available as part of -60°C (-76°F) Fisher control valve assemblies or as standalone instruments with suitable bracketry as an upgrade to your existing control valves of any vendor.

Accessories

Fisher MR95 and MR98 Regulators



Fisher 67C and 67D Regulators



Fisher 2625 Volume Boosters



ASCO 327 Solenoids



TopWorx™ GO Switch™ Position Sensors



TopWorx DXP and TXP Discrete Valve Controllers



Keep your valves and devices running in climatic extremes and avoid personnel exposure to this during maintenance activities.



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Sorocaba, 18087 Brazil
Cernay, 68700 France
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Low-temperature Fisher control valve assemblies have been laboratory tested to operate in -60°C (-76°F) temperatures.



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