

Flexim Winterization Enclosure Family

Configurable Winterization Enclosures for Reliable FLEXIM Performance in Extreme Environments



CHALLENGE

Extreme cold can affect transmitter visibility, accessibility, and overall reliability. Without proper protection, outdoor installations may require more maintenance and face greater measurement uncertainty.

SOLUTION

The FLEXIM Winterization Enclosure Family protects F700, G700, and S700 transmitters in harsh outdoor environments. With six configurable options, users can match enclosure protection, connectivity, and application needs while maintaining reliable FLEXIM flow measurement performance.

KEY BENEFITS

- Reduced weather-related risk
- Improved uptime and measurement reliability
- Easier deployment in cold-weather installations
- Configurable options for site requirements
- Reduced need for custom field engineering

Need help selecting the right enclosure?

Spartan Controls can help identify the best option for your application!

Call us or request a quote online 24/7

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Choose the Right Winterization Enclosure

Six configurable enclosure options are available to support FLEXIM F700, S700, and G700 transmitters in harsh outdoor environments. Alternative options may be available.



FLEXIM-ENCL-XX

Standard Winterization Enclosure, with common disconnect for transmitter power and enclosure heater

Best Fit: General cold-weather installations

WirelessHART

FLEXIM-ENCL-THUM

Winterization Enclosure with WirelessHART integration

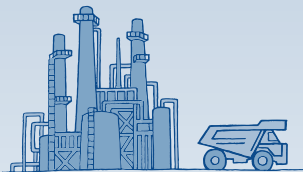
Best Fit: WirelessHART enabled facilities



FLEXIM-ENCL-EDGE

Adds remote visibility and digital integration through gateway and cellular connectivity

Best Fit: Remote sites and connected assets



FLEXIM-ENCL-OILSANDS

Winterization Enclosure with segregated power and signal junction boxes, local heater disconnect and local temperature indication

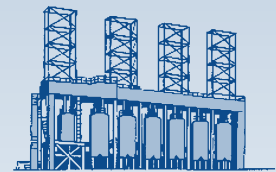
Best Fit: Rugged installation with segregated field terminations and pipe stand mounting



FLEXIM-ENCL-REFINERY

Winterization enclosure with side-mounted separate local disconnect switches for transmitter power and heater power

Best Fit: NEMA 4X stainless steel enclosure for outdoor winterization



FLEXIM-ENCL-UPGRADER

Winterization Enclosure with a common AC Power Supply feed into external junction box and parallel into separate disconnects for transmitter power and enclosure heater

Best Fit: Only one AC Power Supply Feed available

Common Across the Enclosure Family

High-Level Features

- Insulated steel NEMA 4 enclosure
- Inspection window for local visibility
- Thermostatically controlled heater
- Maintains a minimum internal operating temperature of approximately 10°C
- Suitable for ambient temperatures down to -50°C
- Insulated design helps reduce excessive heater power draw
- Utilize Roxtec™ sealing solution for transducer cable entries

Technical Specifications

Environment	-50°C to 40°C
Dimensions (-XX, -THUM, -EDGE)	24" x 24" x 10" (enclosure only)
Dimensions (-OILSANDS, -REFINERY, -UPGRADER)	24" x 24" x 12" (enclosure only)
Heater Power Requirements	120 VAC 50/60 Hz, 75W
Area Classification	Class 1, Div 2, Group B,C,D, T3
Ingress Protection	NEMA 4 / Type 4X (option)