



WINTERIZATION ENCLOSURES

Rosemount™ 2051, 2088, 3051 & 4088
Pressure Transmitters



Prevent the effects of low ambient temperatures causing loss of production and damage to instruments and plant operations.

It's essential that instruments are winterized to ensure they do not fail during the cold winter months.

Spartans' winterization boxes are made of insulated glass reinforced polyester (GRP), diagonally split, with an inspection window and a thermostatically controlled heater to maintain a consistent temperature. GRP has a similar strength to stainless steel but weighs about 75% less. The low thermal conductivity of GRP and the additional insulation of the walls also reduce the energy requirement for heating. The resulting constant climatic conditions ensure that the pressure transmitters can function without any problems even under extreme weather conditions.

- Rated for hazardous areas
- Used to prevent freezing of PT, FT, LT, DPT (differential pressure transmitters) that have fluid filled manifolds
- Maintain a minimum operating temperature of 10°C
- Suitable for gasses with entrained fluids that must be maintained above the dew point
- Suitable for fluids with a high pour point, high solidifying point or high viscosity, which will cause coagulation or hard-to-flow conditions





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Coplanar Pressure Transmitters



Application

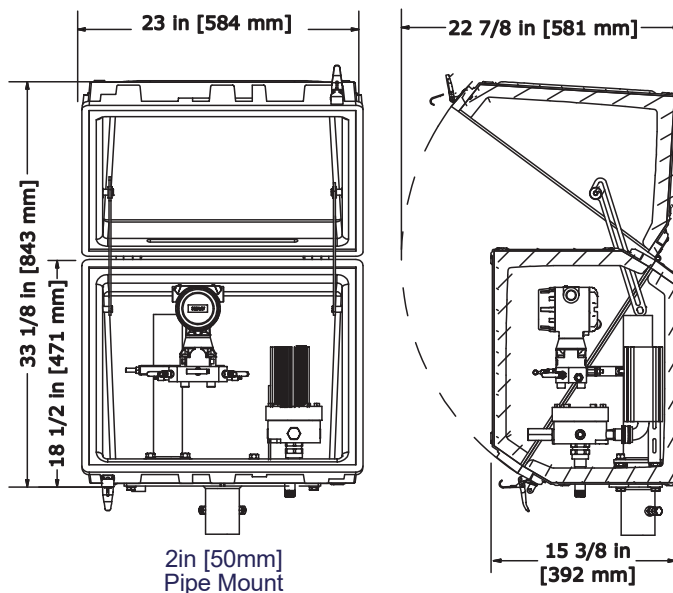
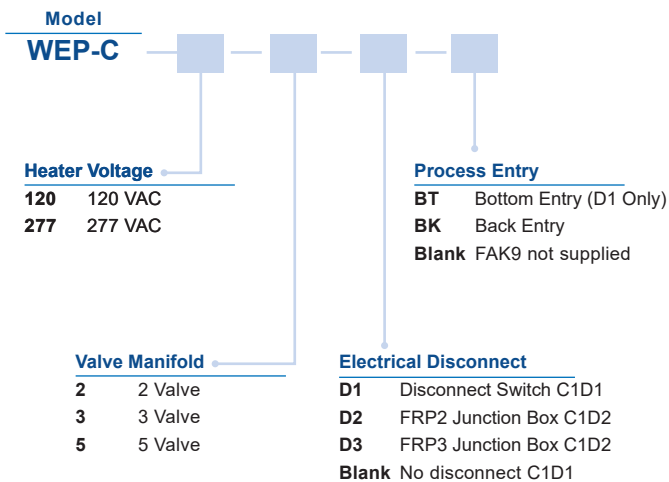
Built for Rosemount™ 2051, 3051, 3051S & 4088 coplanar transmitters this winterization enclosure is suitable for single, differential or multi-variable readings. The included window allows viewing without exposing the system to the environment.

Easy access to the manifold valves for quick instrument isolation and efficient calibration of the transmitter.

Technical Specifications

Environment	-40° to 122°F -40° to 50°C
Dimensions	18 1/2" x 23" x 15 3/8" 471mm x 584mm x 390mm
Heater Power Requirements	120 VAC 50/60 Hz, 100W 277 VAC 50/60 Hz, 100W
Area Classification	Class 1 Division 1, Groups B,C,D, T3
Thermostat Setting	50°F, 10°C
Manifold Options	2, 3, or 5 valve coplanar manifolds
Ingress Protection	IP66 / IP67 / IP68 / NEMA 4x
Connections	Electrical: (1x) 3/4" NPT Process: (1x) FAK9 Bulkhead Entry Heat Shrink - Shipped loose

Options Use this coding system to order





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In-line Pressure Transmitters

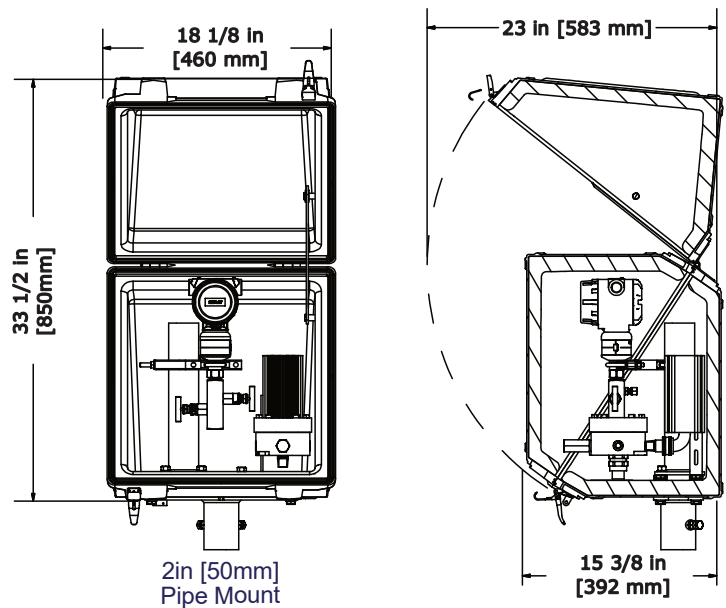
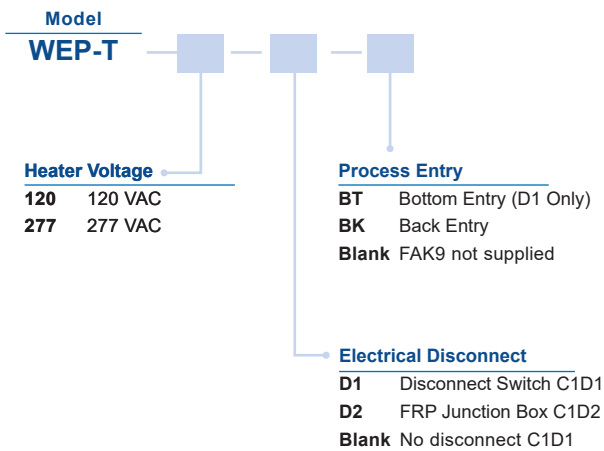


Application

Built for Rosemount™ 2088, 2051, 3051, 3051S in-line transmitters with block-and-bleed and two-valve configurations, this winterization enclosure is suitable for single pressure readings. The included window allows viewing without exposing the system to the environment.

Technical Specifications	
Environment	-40° to 122°F -40° to 50°C
Dimensions	19 3/8" x 18" x 15 3/8" 490mm x 460mm x 390mm
Heater Power Requirements	120 VAC 50/60 Hz, 100W 277 VAC 50/60 Hz, 100W
Area Classification	Class 1 Division 1, Groups B,C,D, T3
Thermostat Setting	50°F, 10°C
Manifold Options	Block-and-bleed or 2 valve in-line manifolds
Ingress Protection	IP66 / IP67 / IP68 / NEMA 4x
Connections	Electrical: (1x) 3/4" NPT Process: (1x) FAK9 Bulkhead Entry Heat Shrink - Shipped loose

Options Use this coding system to order





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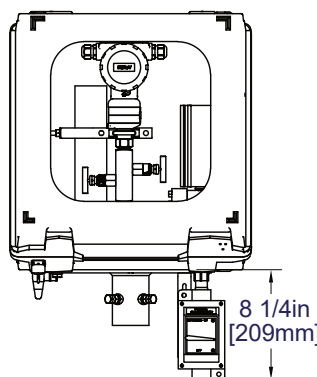
Electrical, Tube Bundle & Mounting Options



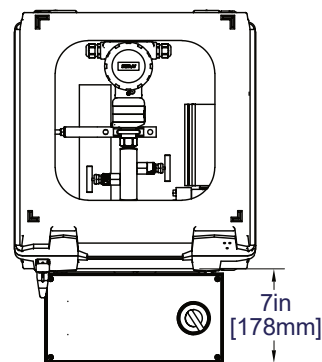
Electrical Options

The winterization enclosure comes with a choice between three disconnects for the integrated heater. A simple disconnect switch to turn off power at the device for service or for seasonal power savings. Or a junction box* with an integrated disconnect to power the heater and terminal strips for local heat trace power. *The FRP junction box derates the enclosure to Class 1, Division 2.

Disconnect Switch



FRP Junction Box



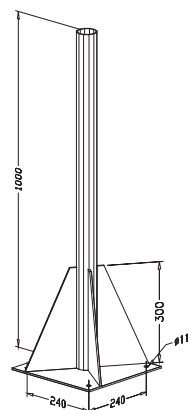
Process Connection Options

To facilitate a good seal when connecting heated tube bundles a Thermon FAK-9 heat shrink bulkhead boot is shipped loose with the enclosure for field install. Entry point options* ensure spacing at the desired entry point.

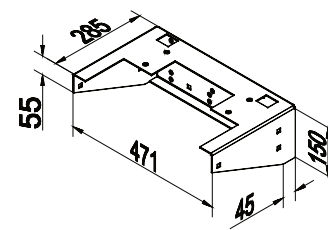
*Bottom entry with an FAK-9 is not available with the FRP junction box.

Mounting Options

Model	Description
ST 10-2	2" Pipe Stand, 1m tall
WS 87	Wall Mount



ST 10-2



WS 87