

## INSULATION RESISTANCE (IR) TEST

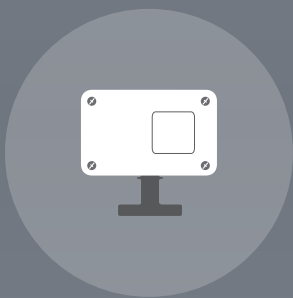
Perform an IR test on all heat tracing circuits to verify the integrity of the heat tracing cable.

- Follow instructions in the installation & maintenance manual
- Confirm values are consistent with the indicated product specifications



## GROUND FAULT BREAKERS

All ground fault breakers should be tested according to the manufacturer's instructions.



## HEATING TRACING COMPONENTS

Damaged or improperly installed components can result in water ingress, corrosion or the loosening of electrical connections.

- Confirm that the installation is correct by checking the components according to the installation manual
- Ensure all component locations are marked with the electrical connection labels supplied with the kit



## THERMOSTAT OR CONTROLLER

A thermostat or controller will allow you to optimize your energy usage while keeping your process running at temperature. Before the winter season,

- Review settings and alarms to ensure that they are set properly
- Perform all basic maintenance procedures according to the installation & maintenance manuals



Well maintained heat tracing systems offer maximum reliability and performance, no matter how much it freezes. Ensure that your plant and processes are protected against extreme winter conditions by performing a systems audit before cold weather strikes.



## CRITICAL SPARE COMPONENTS AND CABLE

Stocking spare components and cable will allow for timely repairs or replacements in case of an emergency. All installation & maintenance manuals can direct you in the repair or replacement of heat tracing system components.

nVent RAYCHEM offers the industry's most complete line of industrial strength heat tracing products and services for:

- Pipe Freeze Protection
- Tank Heating and Tank Insulation
- Heat tracing Control, Monitoring and Remote Communications Systems
- Long Pipeline Applications
- Pavement Snow Melting and Roof & Gutter De-icing
- Comprehensive Heat-Trace System Design



## POWER CHECK

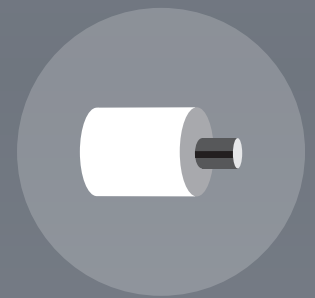
This will allow you to validate that the current power output of the heat tracing system matches the power output of the original design.

- Follow instructions in the installation & maintenance manual
- Confirm values are consistent with the indicated product specifications



## DISTRIBUTION PANEL & SECONDARY WIRE & CONDUIT

Visually inspect the conduit distribution system for openings in conduit, damaged or missing components and low point drains.



## INSULATION

Insulation plays a critical role in the overall heat tracing system. No insulation or wet insulation reduces heat transfer from the heating cable to the pipe and can render electric heat tracing completely ineffective.

- Visually inspect all lines for missing, damaged or wet insulation.
- Check weatherproof cladding for continuity (if applicable)



## MAINTAIN INSTALLATION AND MAINTENANCE RECORDS

Complete installation and maintenance records will allow you to verify what system tests have been completed, original electrical values, etc. This information can be valuable in determining if the system is operating properly over time.