



## Maintenance Checklist

With the inevitable approach of winter, pipes, roofs and gutters and sidewalks and other surfaces will once again be the target of freezing temperatures and ice and snow. As the leading provider of electric heat tracing products and services, Chemelex has put together a “Winter Maintenance Checklist” to help you get ready for the season.

### ✓ ENSURE ELECTRICAL INTEGRITY OF ALL TRACE CIRCUITS

It is important to perform an insulation resistance (IR) test because it allows you to verify the integrity of the heating cable. Conduct an IR test on each heat tracing circuit as detailed in product installation and maintenance manuals. Confirm that values are consistent with product specifications indicated.

### ✓ CHECK YOUR INSULATION

Insulation plays a critical role in the overall heat tracing system for pipes. 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. If weatherproof cladding is being used to protect the insulation from the environment, then it must also be checked for continuity.

### ✓ CHECK HEAT TRACING COMPONENTS

Damaged or improperly installed components can result in water ingress, corrosion or the loosening of electrical connections. Check the components against installation documentation to confirm that the installation is correct. Ensure that all component locations are marked with the Electrical Connection labels supplied with the kit.

### ✓ CHECK YOUR 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. Also, perform all basic maintenance procedures as found in product Installation and Maintenance Manuals.

## ✔ **PERFORM A POWER CHECK**

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Checking the power will allow you to validate that the power output of the heat tracing system matches the power output of the original design. Refer to product installation and maintenance manuals for test procedures and to verify that values are consistent with product specifications.

## ✔ **CHECK YOUR DISTRIBUTION PANEL AND SECONDARY WIRE AND CONDUIT**

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

## ✔ **MAINTAIN INSTALLATION AND MAINTENANCE RECORDS**

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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.

## ✔ **STOCK CRITICAL SPARE COMPONENTS AND CABLE**

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Consider stocking spare components and cable before the season begins as this will allow for timely repairs or replacements. All Installation and Maintenance Manuals can direct you in the repair or replacement of heat tracing system components.

**Raychem** is a world-leading provider of heat trace solutions for Commercial and Residential markets. Chemelex offers the industry's most complete line of commercial grade heat tracing products and services for:

- Pipe Freeze Protection
- Fire Sprinkler Pipe Freeze Protection
- Hot Water Temperature Maintenance (HWAT)
- Grease Waste Flow Maintenance
- Roof & Gutter De-icing
- Surface Snow Melting
- Heat tracing Control, Monitoring and Communications Systems
- Comprehensive Heat Trace System Design and Installation Services

 **Contact a Raychem Winter Expert**