♥ WINTER

nVent

RAYCHEM

Safety & Comfort for the Home

PIPE FREEZE PROTECTION

nVent RAYCHEM pipe freeze protection systems are flexible and easy to attach to the exterior of the pipe to keep pipes from freezing, bursting, and causing water damage.

Our product range allows you to choose the right solution for your application and budget—from a simple preassembled plug-in kit to one that offers energy-saving control and sensing options.

FROSTGUARD PREASSEMBLED PLUG-IN HEATING CABLE SYSTEM
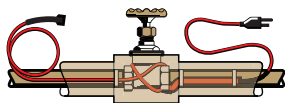
nVent RAYCHEM FrostGuard preassembled self-regulating heating cable with 6-ft cold lead and lighted plug for small piping up to 2-1/2 inches in diameter in dry or wet locations.

- Voltage: 120 V with plug, in lengths of 6, 12, 18, 24, 36, 50, 75 & 100 feet; 240 V with cold lead only, in lengths of 6, 12, 18 & 24 feet
- Control options: nVent RAYCHEM TC-3 thermostatically controlled outlet for 120 V only
- Components: nVent RAYCHEM H903 application tape

WINTERGARD SERIES PRE-PACKAGED IN STANDARD SPOOL SIZES AND CUT-TO-LENGTH HEATING CABLE SYSTEM
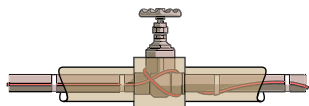
Self-regulating heating cable for piping up to 6 inches in diameter for dry and wet locations. The WinterGard series of products includes nVent RAYCHEM WinterGard, WinterGard Plus and WinterGard Wet. See the chart on pages 6-7 for more details on each.

- Voltage: 120 V or 240 V
- Control options: nVent RAYCHEM AMC-F5, AMC-1A, EC-TS
- Components: nVent RAYCHEM H900 hardwire or H908 plug-in power connection kit; H903 application tape; H910 Splice/Tee kit

PIPE FREEZE THERMOSTAT SELECTION DETAILS

| GOOD	BETTER	BEST
TC-3	**AMC-F5**	**EC-TS**
• Thermostatically controlled outlet	• Mechanical thermostat; Ambient or line sensing • Fixed set point of 40°F (nonadjustable) • 3' bulb and capillary sensor • 22 A at 125/250/480 V	• Electronic thermostat; Ambient or line sensing • Adjustable set point of 30°F to 110°F • 25' thermistor sensor • 30 A at 100 - 277 V
	AMC-1A	
	• Mechanical thermostat; Ambient sensing • Adjustable set point of 15°F to 140°F • 22 A at 125/250/480 V	

Safety & Comfort for the Home

ROOF & GUTTER DE-ICING

nVent RAYCHEM roof & gutter de-icing systems protect roofs and gutters from ice dams, heavy snow build-up, and icicles. The heating cable creates a continuous path for melted ice and snow to drain.

Our product range allows you to choose the right solution for your application and budget—from our basic, reliable preassembled plug-in kit, to solutions with energy-saving controllers, and our aesthetically elegant solution.

FROSTGUARD PREASSEMBLED PLUG-IN HEATING CABLE SYSTEM
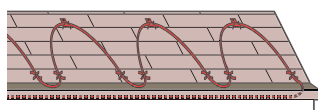
Preassembled self-regulating heating cable with 6-ft cold lead and lighted plug for short standard or standing seam roof & gutter de-icing applications on porches and overhangs.

- Voltage: 120 V in lengths of 6, 12, 18, 24, 36, 50, 75 & 100 feet
- Components: nVent RAYCHEM H913/H914 roof clips, H915 downspout hanger

WINTERGARD WET PRE-PACKAGED IN STANDARD SPOOL SIZES AND CUT-TO-LENGTH HEATING CABLE SYSTEM
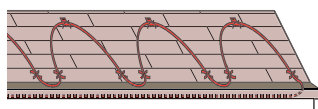
Self-regulating heating cable that can be cut and spliced to fit the layout of any standard or standing seam roof line with gutters up to 6 inches wide. Choosing the H908 Plug-in cord (for 120 V only) provides equipment level ground fault protection, eliminates the need to hardwire, thus reduces installation costs.

- Voltage: 120 V or 240 V
- Control and sensor options: nVent RAYCHEM PD-Pro and GF-Pro, LCD-8, Snow Owl, GIT-1
- Components: H900 hardwire or H908 plug-in power connection kit; H913/H914 roof clips, H915 downspout hanger, H910 Splice/Tee kit

ROOF ICE MELT (RIM) PREMIERE CUSTOM ROOF ICE MELT PANEL SYSTEM
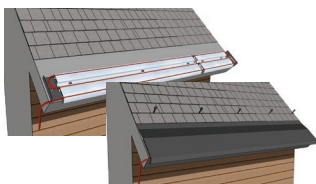
nVent RAYCHEM Roof Ice Melt (RIM) System is our premiere, highest performing, aesthetically elegant roof & gutter de-icing solution ideal for new construction or renovation of residential or commercial buildings, for ALL snow load areas. The system consists of metallic panels that embed self-regulating heat tracing cable to provide high power output. The RIM system includes panels specifically designed for eaves, valleys, channels, rakes, and flat roof sections.

- Voltage: 120 V or 240 V

ROOF & GUTTER CONTROLLER SELECTION DETAILS (RIM-SPECIFIC CONTROLLERS NOT INCLUDED IN THE TABLE BELOW)

GOOD	BETTER	BEST
EC-TS	**LCD-8**	**PD-PRO & Snow Owl / GIT-1**
• Electronic thermostat • Ambient or line sensing • Adjustable set point of 30°F to 110°F • 25' thermistor sensor • 30 A at 100 - 277 V	• Moisture/temperature sensing controller • Aerial mounted sensor • Up to 5-hour hold time (adjustable) • Compatible with external contactors • 16 A at 120 V	• Temperature and moisture sensing controller • Works w/ Snow Owl aerial and/or GIT-1 gutter snow sensors • Up to 8-hour hold time (adjustable) • LED lights to indicate power and heat cycle • Compatible with external contactors • 30 A at 100 - 277 V
		GF-PRO & Snow Owl / GIT-1
		• Temperature and moisture sensing controller • Built-in GFEP protection • Works w/ Snow Owl aerial and/or GIT-1 gutter snow sensors • Up to 8-hour hold time (adjustable) • LED lights to indicate power and heat cycle • 30 A at 100 - 277 V

For complete specifications and other design assistance, refer to the appropriate data sheets and application design guides available on our website at **nVent.com/RAYCHEM**

Safety & Comfort for the Home

SURFACE SNOW MELTING

nVent RAYCHEM surface snow melting systems keep sidewalks, stairways and driveways free of snow and ice.

Our product range allows you to choose the right solution for your application and budget — from a self-regulating system for concrete surfaces and pavers that reduces heat output automatically as the pavement warms and is ideal for smaller areas; to an MI pre-terminated system for concrete, pavers, and asphalt which provides constant power output and is ideal for larger jobs.

ELECTROMELT CUT-TO-LENGTH HEATING CABLE SYSTEM
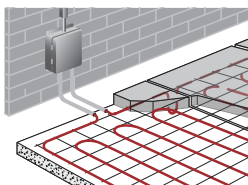
nVent RAYCHEM ElectroMelt self-regulating heating cable for surface snow melting and anti-icing in concrete pavement.

- Voltage: 208 V; 240 V; 277 V
- Voltage: 208 V; 240 V; 277 V
- Control and sensor options: PD-Pro and GF-Pro, LCD-8 Snow Switch, SIT-6E
- Components: EMK heat shrinkable fittings

MI PRE-TERMINATED HEATING CABLE SYSTEM
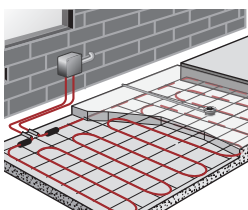
LSZH jacketed copper sheathed heating cable for snow melting in concrete, mastic asphalt slab or road-grade asphalt slab.

- Voltage: 120 V to 600 V; Single or 3-Phase design
- Control options: PD-Pro, GF-Pro, LCD-8, SIT-6E
- Components: n/a

SURFACE SNOW MELTING CONTROLLER SELECTION DETAILS

GOOD	BETTER	BEST
LCD-8	**EC-TS**	**PD-PRO & Snow Owl / SIT-6E**
• Moisture and temperature sensing controller • Aerial mounted sensor • Up to 5-hour hold time (adjustable) • Compatible with external contactors • 16 A at 120 V	• Mechanical thermostat • Ambient or line sensing • Adjustable set point of 30°F to 110°F • 25' thermistor sensor • 30 A at 100 - 277 V	• Temperature and moisture sensing controller • Controller works w/ Snow Owl aerial and/or SIT-6E pavement mounted snow sensors • Up to 8-hour hold time (adjustable) • LED lights to indicate power and heat cycle • Compatible with external contactors 30 A at 100 - 277 V
		GF-PRO & Snow Owl / SIT-6E
		• Temperature and moisture sensing controller • Controller works w/ Snow Owl aerial and/or SIT-6E pavement mounted snow sensors • Up to 8-hour hold time (adjustable) • Built-in GFEP protection • LED lights to indicate power and heat cycle • 30 A at 100 - 277 V

■ RESIDENTIAL / LIGHT COMMERCIAL
■ COMMERCIAL / SPECIFICATION

Safety & Comfort for the Home

FLOOR HEATING RESIDENTIAL & COMMERCIAL / SPECIFICATION
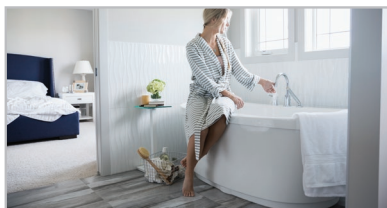
Comfort is everything, especially in your home. With nVent NUHEAT Electric Floor Heating Systems, you can offer the comfort of a warm floor that is maintenance-free for your customers. nVent NUHEAT Electric Floor Heating Systems are ideal for both new construction or renovation projects

CUSTOM AND STANDARD MATS
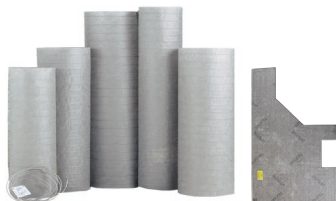
The thinnest custom-built and pre-built electric floor heating mat. Designed to precisely fit any room.

- Available in over 70 standard off-the-shelf square and rectangular sizes
- Custom Mats manufactured in only 3 days
- 12 W/ft^2; 41 BTUs (15 W/ft^2; 51 BTUs also available upon request)
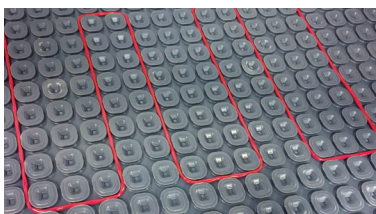
CABLE

Offering the ultimate in installation flexibility, Nuheat Cable is perfect where on-site adjustments are required. Coupled with newly redesigned cable guides and a low-profile cold lead, adding heated floors to your renovation or new construction project has never been easier.

- Zero EMF (electromagnetic field) cable design; voltage: 120 V or 240 V
- Over 30 kit sizes; largest 120 V covers 120 sq ft and largest 240 V covers 240 sq ft
- Mid-point marker on heating cable for easier planning
- May be installed at 12 W/ft^2 (41 BTUs), or 15 W/ft^2 (51 BTUs)

CABLE AND MEMBRANE

The integrated electric floor heating and uncoupling solution. Membrane can reduce risk of tile cracks due to subfloor movement.

- Thin profile heating cable and electrical lead
- Durable heating cable construction
- Flexible heat output (10, 12, 15 W/ft^2)

MESH
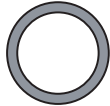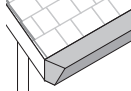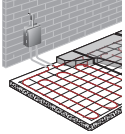
The self-adhesive electric floor heating solution. Mesh is customizable to any room shape with it's simple roll out installation method.

- 32 kit sizes; largest 120 V covers 120 ft^2 and largest 240 V covers 240 ft^2
- Thin, cold lead and connection joint
- 12 W/ft^2

THERMOSTATS

GOOD	BETTER	BEST
nVent NUHEAT Element	nVent NUHEAT Home	nVent NUHEAT Signature
Basic electronic thermostat - simplified functionality for ease of use	Easy and intuitive programmable thermostat with a high resolution touchscreen interface.	Works with Amazon Alexa®, the Google Assistant, IFTTT®, Crestron®, Control4® and more.

For complete specifications and other design assistance, refer to the appropriate data sheets and application design guides available on our website **Nuheat.com**

nVent
RAYCHEM

SELECT THE RIGHT PRODUCTS		AREA		APPLICATION				
		DRY	WET	PIPE 2" diameter or below	PIPE Up to 2 1/2" diameter	PIPE Up to 6" diameter	ROOF Up to 4" gutter with 1 run Up to 6" gutter with 2 runs	SURFACE SNOW MELT
WINTERGARD		120 V; 3 W/ft @ 40°F						
Description / 100' TruckPak* / 250' Reel	Catalog # / H311100 / H311250	•	–	•	–	–	–	–
WINTERGARD PLUS		120 V; 6 W/ft @ 40°F						
Description / 50' Box / 100' TruckPak* / 250' Reel	Catalog # / H611050 / H611100 / H611250	•	–	•	•	•	–	–
Description / 50' Box / 100' TruckPak* / 250' Reel	Catalog # / H621050 / H621100 / H621250	240 V; 6 W/ft @ 40°F						
		•	–	•	•	•	–	–
WINTERGARD WET		120 V; 6 W/ft @ 40°F						
Description / 50' Box / 100' TruckPak* / 250' Reel / 500' Reel / 1000' Reel	Catalog # / H612050 / H612100 / H612250 / H612500 / H6121000	•	•	•	•	•	•	–
Description / 50' Box / 100' TruckPak* / 250' Reel / 500' Reel / 1000' Reel	Catalog # / H622050 / H622100 / H622250 / H622500 / H6221000	240 V; 6 W/ft @ 40°F						
		•	•	•	•	•	•	–
FROSTGUARD PREASSEMBLED		120 V; 6 W/ft @ 40°F						
Description / 6' Length / 12' Length / 18' Length / 24' Length / 36' Length / 50' Length / 75' Length / 100' Length	Catalog # / FG1-6P / FG1-12P / FG1-18P / FG1-24P / FG1-36P / FG1-50P / FG1-75P / FG1-100P	•	•	•	•	–	•	–
Description / 6' Length / 12' Length / 18' Length / 24' Length	Catalog # / FG2-6L / FG2-12L / FG2-18L / FG2-24L	240 V; 6 W/ft @ 40°F						
		•	•	•	•	–	–	–
ELECTROMELT See price list for the multitude of SKUs depending upon project needs		208 – 277 V						
		–	•	–	–	–	–	•
MI See price list for the multitude of SKUs depending upon project needs		120 – 600 V						
		–	•	–	–	–	–	•

*WinterGard TruckPaks contains 100 feet of heating cable, two H900 Hardwire Power Connection Kits, one H910 Splice or Tee Kit, and one H903 roll of Application Tape.
**Although these can work with Roof & Gutter applications, they are ambient-sensing only. The PD-Pro & GF-Pro are more ideal because they work with snow and gutter sensors.

PRODUCT CHART

❤ WINTER

ACCESSORIES											CONTROLLERS AND SENSORS									
											PIPE**	PIPE**	PIPE**	PIPE**	R&G, SM	R&G, SM	R&G, SM	R&G, SM	R&G	SM
9800-FLEXFIT PLUG	9610 APPLICATION TAPE	H900 - POWER CONNECTION	H903 - APPLICATION TAPE	H908 - PLUG-IN CORD W/ GFI	H910 - SPLICE & TEE	H912 - GEL-FILLED END SEAL	H913 - ROOF CLIPS (10)	H914 - ROOF CLIPS (50)	H915 - DOWNSPOUT HANGER	EMK FITTINGS	**TC-3** • Ambient sensing; • Fixed 35°F set point • 15 Amp	**AMC-F5** • Ambient or line sensing • Fixed set point 40°F • 22 A at 125/250/480 V	**AMC-1A** • Ambient sensing • Adjustable set point 15°F to 140°F • 22 A at 125/250/480 V	**EC-TS** • Ambient sensing; • Adjustable set point 30°F to 110°F • 30 A at 100 277 V	**LC D-8** • Snow Switch; operates at temperatures below 38°F • 16 A @ 100 - 240 V	**PD-PRO** • Snow and ice controller • Single circuit; 120 V • Works with up to 2 sensors	**GF-PRO** • Snow and ice controller • Single circuit; • 30 mA GFEP • Works with up to 2 sensors	**SNOW OWL** • Aerial snow sensor	**GIT-1** • Gutter sensor	**SIT-6E** • Pavement sensor
—	—	•	•	•	•	•	—	—	—		—	•w H900	•w H900	•w H900	—	—	—	—	—	—
—	—	•	•	•	•	•	—	—	—		—	•w H900	•w H900	•w H900	—	—	—	—	—	—
—	—	•	•	•	•	•	—	—	—		—	•w H900	•w H900	•w H900	—	—	—	—	—	—
—	—	•	•	•	•	•	•	•	•		—	•w H900	•w H900	•w H900	•w H900	•w H900	•w H900	•	•	—
—	—	•	•	•	•	•	•	•	•		—	•w H900	•w H900	•w H900	•w H900	•w H900	•w H900	•	•	—
—	—	—	•	—	—	—	•	•	•		•	—	—	—	—	—	—	—	—	—
—	—	—	•	—	—	—	—	—	—		—	•	•	•	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	•	—	—	—	•	•	•	•	•	—	•
—	—	—	—	—	—	—	—	—	—		—	—	—	•	•	•	•	•	—	•

Pipe - Pipe Freeze Protection; R&G = Roof & Gutter De-Icing; SM = Surface Snow Melting.

Our powerful portfolio of brands:

CADDY   ERICO   HOFFMAN   RAYCHEM   SCHROFF   TRACER

nVent.com/RAYCHEM