♥ WINTER

SAFETY & COMFORT FOR THE HOME

Residential Market- U.S. Plumbing, Canada
Plumbing & Electrical
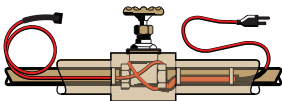
nVent
RAYCHEM

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: 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
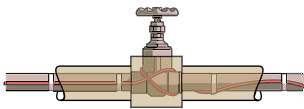
Self-regulating heating cable for piping up to 6 inches in diameter for dry and wet locations. The WinterGard series of products includes nVent RAYCHEM WinterGard, WinterGard Plus and WinterGard Wet. See the chart on pages 6-7 for more details on each.

- 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

FROSTEX HEATING CABLE SYSTEM WITH FLEXFIT PLUG
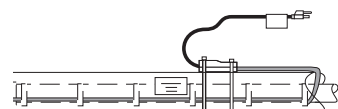
nVent RAYCHEM Frostex self-regulating heating cable with the FlexFit plug for small residential piping up to 2 inches in diameter and up to 50 feet in length, installed in dry locations.
- Voltage: 120 V in cut-to-lengths reel lengths of 50, 100, 250, and 500 feet
- Control options: nVent RAYCHEM TC-3 outlet
- Components: nVent RAYCHEM 9800 FlexFit plug kit; 9610 Application tape

IN-PIPE HEATING CABLE SYSTEM
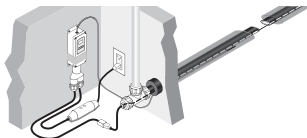
nVent RAYCHEM mineral insulated In-Pipe Mini is for insulated piping up to 34 feet in length; nVent RAYCHEM In-Pipe Miser is for insulated piping up to 240 feet in length; In-Pipe Retro 120 V is for uninsulated pipes up to 150 feet in length; and the nVent RAYCHEM In-Pipe Retro 240 V is for uninsulated pipes up to 250 feet in length.
- Voltage: Mini, Miser, Retro 120 V; or Retro 240 V
- Control options: Built-in controller

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
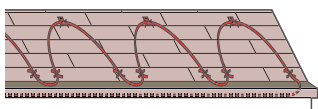
Preassembled self-regulating heating cable with 6-ft cold lead and lighted plug for short standard or standing seam roof & gutter de-icing applications on porches and overhangs.
- Voltage: 120 V in lengths of 6, 12, 18, 24, 36, 50, 75 & 100 feet
- Components: nVent RAYCHEM H913/H914 roof clips, H915 downspout hanger

WINTERGARD WET PRE-PACKAGED IN STANDARD SPOOL SIZES AND CUT-TO-LENGTH HEATING CABLE SYSTEM
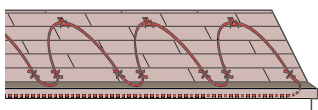
Self-regulating heating cable that can be cut and spliced to fit the layout of any standard or standing seam roof line with gutters up to 6 inches wide. Choosing the H908 Plug-in cord (for 120 V only) eliminates the need to hardwire, thus reduces installation costs.
- Voltage: 120 V or 240 V
- Control and sensor options: nVent RAYCHEM PD-Pro and GF-Pro, LCD-8, Snow Owl, GIT-1
- Components: nVent RAYCHEM 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
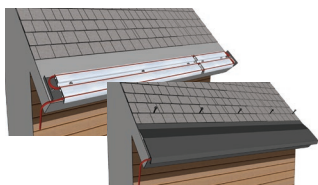
nVent RAYCHEM Roof Ice Melt (RIM) System is our premiere, highest performing, aesthetically elegant roof & gutter de-icing solution ideal for new construction or renovation of residential or commercial buildings, for ALL snow load areas. The system consists of metallic panels that embed self-regulating 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

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.
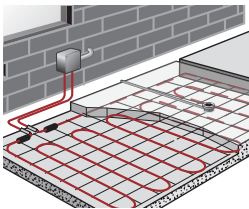
ELECTROMELT CUT-TO-LENGTH HEATING CABLE SYSTEM
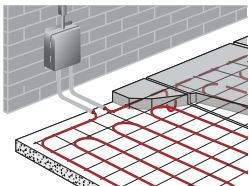
nVent RAYCHEM ElectroMelt self-regulating heating cable for surface snow melting and anti-icing in concrete pavement.
- Voltage: 208 V; 240 V; 277 V
- Control and sensor options: PD-Pro and GF-Pro, LCD-8 Snow Switch, SIT-6E
- Components: EMK heat shrinkable fittings

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
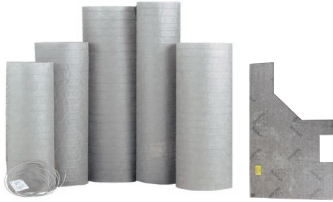
The thinnest custom-built and pre-built electric floor heating mat. Designed to precisely fit any room.
- Available in over 70 standard off-the-shelf square and rectangular sizes
- Custom Mats manufactured in only 3 days
- 12 W/ft^2; 41 BTUs (15 W/ft^2; 51 BTUs also available upon request)
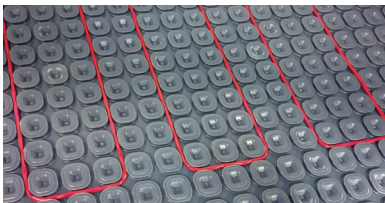
CABLE

The robust floor heating cable solution. Perfect where on-site adjustments are required.
- Available in 33 sizes in both 120 and 240 V
- Flexible wire spacing and heating output
- 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
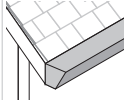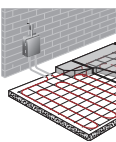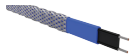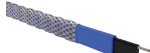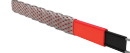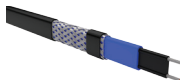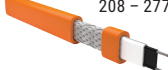
The self-adhesive electric floor heating solution. Mesh is customizable to any room shape with it's simple roll out installation method.
- 32 kit sizes; largest 120 V covers 120 ft^2 and largest 240 V covers 240 ft^2
- Thin, cold lead and connection joint
- 12 W/ft^2

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 · Catalog #								
100' TruckPak* · H311100		•	–	•	–	–	–	–
250' Reel · H311250								
WINTERGARD PLUS — 120 V; 6 W/ft @ 40°F								
Description · Catalog #								
50' Box · H611050		•	–	•	•	•	–	–
100' TruckPak* · H611100								
250' Reel · H611250								
Description · Catalog # — 240 V; 6 W/ft @ 40°F								
50' Box · H621050		•	–	•	•	•	–	–
100' TruckPak* · H621100								
250' Reel · H621250								
WINTERGARD WET — 120 V; 6 W/ft @ 40°F								
Description · Catalog #								
50' Box · H612050								
100' TruckPak* · H612100		•	•	•	•	•	•	–
250' Reel · H612250								
500' Reel · H612500								
1000' Reel · H6121000								
Description · Catalog # — 240 V; 6 W/ft @ 40°F								
50' Box · H622050								
100' TruckPak* · H622100		•	•	•	•	•	•	–
250' Reel · H622250								
500' Reel · H622500								
1000' Reel · H6221000								
FROSTGUARD PREASSEMBLED — 120 V; 6 W/ft @ 40°F								
Description · Catalog #								
6' Length · FG1-6P								
12' Length · FG1-12P								
18' Length · FG1-18P								
24' Length · FG1-24P		•	•	•	•	–	•	–
36' Length · FG1-36P								
50' Length · FG1-50P								
75' Length · FG1-75P								
100' Length · FG1-100P								
Description · Catalog # — 240 V; 6 W/ft @ 40°F								
6' Length · FG2-6L								
12' Length · FG2-12L		•	•	•	•	–	–	–
18' Length · FG2-18L								
24' Length · FG2-24L								
FROSTEX — 120 V; 3 W/ft @ 50°F								
Description · Catalog #								
50' TruckPak · 5050								
100' Reel · 2102		•	–	•	–	–	–	–
250' Reel · 2250								
500" Reel · 2502								
IN-PIPE — 120 V								
Description · Catalog #								
Mini 14' - 34' · see price list		–	•	•	–	–	–	–
Miser 14' - 240' · see price list								
Retro 40' - 150' · see price list								
Description · Catalog # — 240 V								
Retro 160' - 250' · see price list		•	•	•	–	–	–	–
ELECTROMELT — 208 – 277 V								
See price list for the multitude of SKUs depending upon project needs		–	•	–	–	–	–	•
MI — 120 – 600 V								
See price list for the multitude of SKUs depending upon project needs		–	•	–	–	–	–	•

*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.

♥ 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-FLE XFIT PLUG	9610 APPLICATION TAPE	H900 - POWER CONNECTION	H903 - APPLICATION TAPE	H908 - PLUG-IN COR D W/ GFI	H910 - SPLICE & TEE	H912 - GEL - FILLE D EN D SEAL	H913 - ROOF CLIPS (10)	H914 - ROOF CLIPS (50)	H915 - DOWNSPOUTHANGER	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	—	—	—	—	—	—
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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