



WINTER



SAFETY & COMFORT FOR THE HOME
Residential Market — U.S. Electrical



RAYCHEM

Safety & Comfort for the Home

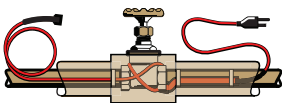
PIPE FREEZE PROTECTION



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.

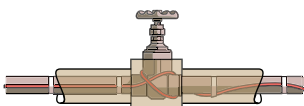
RAYCHEM FROSTGUARD PREASSEMBLED PLUG-IN HEATING CABLE SYSTEM **NEW!**



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

RAYCHEM 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 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: 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 <ul style="list-style-type: none"> • Thermostatically controlled outlet 	AMC-F5 <ul style="list-style-type: none"> • 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 	EC-TS <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • 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

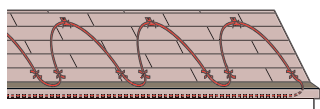
ROOF & GUTTER DE-ICING



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.

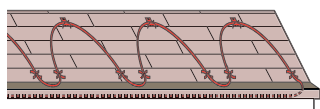
RAYCHEM FROSTGUARD PREASSEMBLED PLUG-IN HEATING CABLE SYSTEM **NEW!**



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

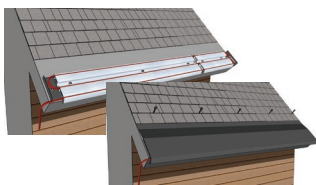
RAYCHEM WINTERGARD WET PRE-PACKAGED IN STANDARD POOL SIZES AND CUT-TO-LENGTH HEATING CABLE SYSTEM



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: PD-Pro and GF-Pro, LCD-8, CIT-1, GIT-1
- Components: H900 hardwire or H908 plug-in power connection kit; H913/H914 roof clips, H915 downspout hanger, H910 Splice/Tee kit

RAYCHEM ROOF ICE MELT (RIM) PREMIERE CUSTOM ROOF ICE MELT PANEL SYSTEM



The 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 <ul style="list-style-type: none"> • Electronic thermostat • Ambient or line sensing • Adjustable set point of 30°F to 110°F • 25' thermistor sensor • 30 A at 100 - 277 V 	LCD-8 <ul style="list-style-type: none"> • Moisture/temperature sensing controller • Aerial mounted sensor • Up to 5-hour hold time (adjustable) • Compatible with external contactors • 16 A at 120 V 	PD-PRO & CIT-1 / GIT-1 <ul style="list-style-type: none"> • Temperature and moisture sensing controller • Works w/ CIT-1 aerial and/or GIT-1 gutter 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 & CIT-1 / GIT-1 <ul style="list-style-type: none"> • Temperature and moisture sensing controller • Built-in GFEP protection • Works w/ CIT-1 aerial and/or GIT-1 gutter sensors • Up to 8-hour hold time (adjustable) • LED lights to indicate power and heat cycle • 30 A at 100 - 277 V

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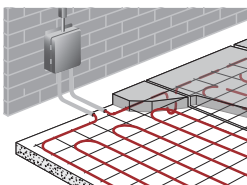
SURFACE SNOW MELTING



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.

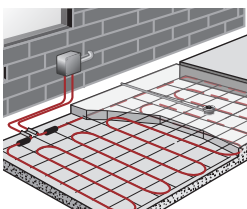
RAYCHEM ELECTROMELT CUT-TO-LENGTH HEATING CABLE SYSTEM



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

RAYCHEM MI PRE-TERMINATED HEATING CABLE SYSTEM



HDPE jacketed copper sheathed heating cable for snow melting in concrete, mastic asphalt slab or road-grade asphalt slab.

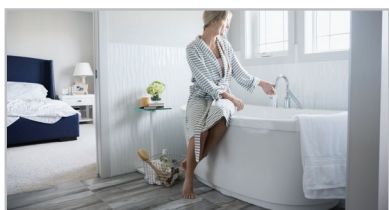
- Voltage: 120 V to 600 V; Single or 3-Phase design;
- Control options: PD-Pro, GF-Pro, LCD-8, SIT-6E
- Components: n/a

SURFACE SNOW MELTING CONTROLLER SELECTION DETAILS

GOOD	BETTER	BEST
LCD-8 <ul style="list-style-type: none"> • Moisture and temperature sensing controller • Aerial mounted sensor • Up to 5-hour hold time (adjustable) • Compatible with external contactors • 16 A at 120 V 	EC-TS <ul style="list-style-type: none"> • Mechanical thermostat • Ambient or line sensing • Adjustable set point of 30°F to 110°F • 25' thermistor sensor • 30 A at 100 - 277 V 	PD-PRO & CIT-1 / SIT-6E <ul style="list-style-type: none"> • Temperature and moisture sensing controller • Controller works w/ CIT-1 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 & CIT-1 / SIT-6E <ul style="list-style-type: none"> • Temperature and moisture sensing controller • Controller works w/ CIT-1 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

Safety & Comfort for the Home

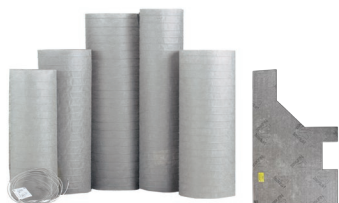
FLOOR HEATING RESIDENTIAL & COMMERCIAL / SPECIFICATION



nVent NUHEAT **electric floor heating systems** are an ideal room-specific heat source option for both new construction or renovation projects. These easy-to-install systems can be installed under tile, stone, laminate/engineered wood floors.

NUHEAT Electric Floor Heating Systems offer an entirely maintenance-free heating alternative - with no cold spots. Industry leading 25-year Total Care warranty applies.

■ ■ NUHEAT CUSTOM & STANDARD MAT SYSTEM



Pre-built like an electric blanket, Nuheat Mats are available in standard sizes or can be custom built to precisely fit any room with curves or angles. It is the easiest and quickest system to install.

- Nuheat Custom Mats manufactured in only 3 days
- Standard mats are available in over 70 standard off-the-shelf square and rectangular sizes
- 12 watts/sq ft; 41 BTUs (15 watts/sq ft; 51 BTUs also available upon request)
- Voltage: 120 V or 240 V

■ ■ NUHEAT CABLE SYSTEM



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 watts/sq ft (41 BTUs), or 15 watts/sq ft (51 BTUs)

■ ■ NUHEAT MEMBRANE - THE INTEGRATED UNCOUPLING AND HEATING SOLUTION



Nuheat Membrane by Progress Profiles is a tile underlayment and uncoupling system that is specifically designed to embed and hold the industry-leading Nuheat Cable floor heating system. The low profile of the membrane reduces the stress caused by differential movement between the tile layer and the substrate which can lead to tile cracking.

- Comes in two roll sizes: 54 sqft and 161 sqft
- 'Extra Heavy' Robinson Floor Test rating (ASTM C627)
- Flexible cable spacing and wattage output - 10, 12, or 15 watts per sq ft making it suitable for primary heat source applications

■ ■ NUHEAT MESH SYSTEM



The Nuheat Mesh system is a heating cable woven into an adhesive-backed fiberglass mesh with patented mesh bands to hold the heating cable in place. The modifiable solution is simple to roll-out and can be customized to fit any room shape.

- Voltage: 120 V, 208 V or 240 V
- Standard off-the-shelf mesh available in 13 sizes for 120 V, and 19 sizes for 240 V
- 12 watts/sq ft

FLOOR HEATING ELECTRONIC THERMOSTAT SELECTION DETAILS

GOOD	BETTER	BEST
Element	Home	Signature
<ul style="list-style-type: none"> • Non-programmable • Built-in GFCI protection 	<ul style="list-style-type: none"> • Programmable touchscreen • Energy usage monitor • Built-in GFCI protection 	<ul style="list-style-type: none"> • WiFi-enabled programmable touchscreen • Built-in GFCI protection • Control4 compatible



For complete specifications and other design assistance, refer to the appropriate data sheets and application design guides available on our websites nVentthermal.com or nuheat.com

RAYCHEM

SELECT THE RIGHT PRODUCTS		AREA		APPLICATION				
		DRY	WET	PIPE	PIPE	PIPE	ROOF	SURFACE SNOW MELT
RAYCHEM WINTERGARD		120 V; 3 W/ft @ 40°F						
Description	Catalog #							
100' TruckPak*	H311100	•	—	•	—	—	—	—
250' Reel	H311250							
RAYCHEM 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							
RAYCHEM 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							
RAYCHEM 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							
RAYCHEM 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.

PRODUCT CHART



ACCESSORIES											CONTROLLERS AND SENSORS									
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 - DOWNSPOUTHANGER	EMK FITTINGS	PIPE**	PIPE**	PIPE**	PIPE**	R&G, SM	R&G, SM	R&G, SM	R&G, SM	R&G	SM
-	-	•	•	•	•	•	-	-	-	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	CIT-1 • Snow aerial 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.

**North America
FOR RAYCHEM PRODUCTS**

Tel +1.800.545.6258
Fax +1.800.527.5703
thermal.info@nvent.com

**North America
FOR NUHEAT PRODUCTS**

Tel +1.800.778.WARM (9276)
Fax +1.604.529.4404
res.customercare@nvent.com

Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER



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