

## INSTALLATION AS EASY AS 1, 2, 3!

With the FrostGuard Plug-n-Play heating cable, there is no need to wire the product to the power supply. Simply plug and go!

1. Attach the heating cable to the pipe with H903 Application Tape.
2. Cover the pipe and the heating cable with pipe insulation.
3. Plug 120 V FrostGuard into a ground-fault protected 3-prong electrical outlet.

### TECHNICAL DATA

|                               |   |
|-------------------------------|---|
| Nominal power                 | 6 W/ft @ 40°F (5°C)   |
| Voltage                       | 120 V or 208-240 V  |
| Max. Exposure Temperature     | 150°F (65°C)  |
| Min. Installation Temperature | 5°F (-15°C)   |
| Heating cable                 | Self-regulating cable with protective tinned-copper braid and outer polyolefin jacket |
| Approvals                     | cCSAus  |

### PLUG-N-PLAY KIT CABLE LENGTHS

| 120 V<br>Catalog # | Length |     |
|--------------------|--------|-----|
|                    | ft     | m   |
| FG1-6P             | 6      | 1.8 |
| FG1-12P            | 12     | 3.7 |
| FG1-18P            | 18     | 5.5 |
| FG1-24P            | 24     | 7.3 |
| FG1-36P            | 36     | 11  |
| FG1-50P            | 50     | 15  |
| FG1-75P            | 75     | 23  |
| FG1-100P           | 100    | 30  |

### HARDWIRED CABLE LENGTHS

| 240 V<br>Catalog # | Length |     |
|--------------------|--------|-----|
|                    | ft     | m   |
| FG2-6L             | 6      | 1.8 |
| FG2-12L            | 12     | 3.7 |
| FG2-18L            | 18     | 5.5 |
| FG2-24L            | 24     | 7.3 |

## ASSOCIATED PRODUCTS

| Catalog # | Product Description       |
|-----------|---------------------------|
| H903      | Application Tape & Labels |

## ALSO AVAILABLE FOR ROOF AND GUTTER

The FrostGuard Plug-n-Play kit is so versatile, that you can install it on roofs, inside gutters and downspouts to create a drain path for melting snow, preventing ice buildup and the damage it can cause.

For more information, refer to H59866, or visit [www.pentairthermal.com](http://www.pentairthermal.com)

**Raychem**

♥ WINTER



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FROSTGUARD  
PIPE FREEZE  
PROTECTION



**Raychem**

**FROSTGUARD**  
KEEPS PIPES WINTER SAFE

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# PREVENT PIPES FROM BURSTING

## WHEN WINTER BRINGS COLD TEMPERATURES

Harsh winter conditions can cause water pipes to freeze and burst resulting in costly repairs and the inconvenience of being without water.

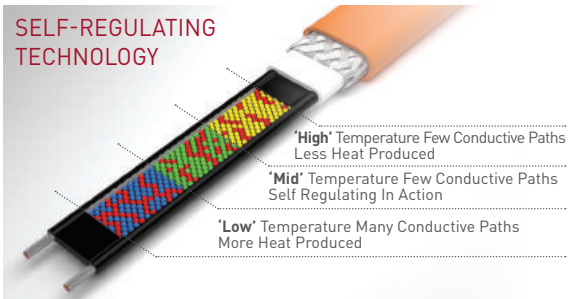


LIGHTED PLUG TO SHOW THE SYSTEM HAS POWER

## WHAT IS FROSTGUARD?

Raychem FrostGuard is an energy-efficient preassembled heating cable used to protect water pipes from the harm that winter brings.

FrostGuard is available as either a Plug-n-Play Kit (120 V) or a hardwired version (240 V). Both versions are self-regulating heating cables that deliver just the heat that is needed.



The simple 120 V Plug-n-Play system is ideal for residential and small commercial buildings and requires no specialist electrical knowledge. Simply fix to the pipe, insulate and plug into a ground-fault protected electrical outlet. It is that simple.

## FEATURES

### PLUG-N-PLAY KIT

- Preassembled with a 6-ft power cord
- 3-prong, grounded, lighted plug to show the system is on
- No need for an electrician to wire the product to the power supply
- Ideal for metal and plastic pipes up to 2-1/2 inches in diameter
- Quick and easy installation, simply plug and go!
- Available in 8 lengths in 120 V
- Can be overlapped

### HARDWIRED VERSION

- Preassembled with a 6-ft power cord for terminating in a junction box
- Ideal for metal and plastic pipes up to 2-1/2 inches in diameter
- Available in 4 lengths in 240 V
- Can be overlapped
- Can be connected to a thermostat for additional energy-efficient control



## VERSATILITY

The incredibly versatile FrostGuard heating cable kit can be used for pipe freeze protection applications, including:

- Outdoor tap and water pipe installations
- Water supply to kennels, stables, and barns
- Water pipework in unheated basements and garages
- Mobile homes with fixed water supply services
- Condensate drain lines on high-efficiency furnaces



## INSTALLATION IS EASY!

With the FrostGuard Plug-n-Play heating cable, there is no need to wire the product to the power supply. Simply plug and go!

### ROOF INSTALLATION INSTRUCTIONS

1. Calculate the length of the roof edge, eave overhang, gutter and downspout to determine the length of the cable you need.
2. Attach the heating cable to the roof with roof clips, cable ties and downspout hangers.
3. Run the heating cable along gutters and downspouts using a hanger bracket on the gutter/downspout transition (or two hanger brackets if looping)
4. Mark the installation with labels provided on the outlet cover and at the fuse or circuit breaker panel.
5. Plug FrostGuard into a ground-fault protected 3-prong electrical outlet.

#### TECHNICAL DATA

|                               |   |
|-------------------------------|---|
| Nominal power                 | 8 W/ft @ 32°F (0°C)   |
| Voltage                       | 120 V   |
| Max. Exposure Temperature     | 150°F (65°C)  |
| Min. Installation Temperature | 5°F (-15°C)   |
| Heating cable                 | Self-regulating cable with protective tinned-copper braid and outer polyolefin jacket |
| Approvals                     | cCSAus  |

#### PLUG-N-PLAY KIT CABLE LENGTHS

| 120 V<br>Catalog # | Length |     |
|--------------------|--------|-----|
|                    | ft     | m   |
| FG1-6P             | 6      | 1.8 |
| FG1-12P            | 12     | 3.7 |
| FG1-18P            | 18     | 5.5 |
| FG1-24P            | 24     | 7.3 |
| FG1-36P            | 36     | 11  |
| FG1-50P            | 50     | 15  |
| FG1-75P            | 75     | 23  |
| FG1-100P           | 100    | 30  |

For larger roof and gutter de-icing jobs, use our cut-to-length WinterGard Wet product.

## ASSOCIATED PRODUCTS

| Catalog # | Product Description      |
|-----------|--------------------------|
| H913      | Roof Clips (10 ea)       |
| H914      | Roof Clips (50 ea)       |
| H915      | Downspout Hanger Bracket |

## ALSO AVAILABLE FOR PIPES

The FrostGuard Plug-n-Play kit is so versatile, that you can install it on water pipes to prevent unnecessary costly repairs associated with frozen or burst pipes.

For more information, refer to H59697, or visit [www.pentairthermal.com](http://www.pentairthermal.com)

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FROSTGUARD ROOF  
& GUTTER DE-ICING



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**FROSTGUARD**  
KEEPS ROOFS AND GUTTERS WINTER SAFE

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