



**CONNECT AND PROTECT**

**FROSTGUARD**

For Condensing Boilers

  
**nVent**

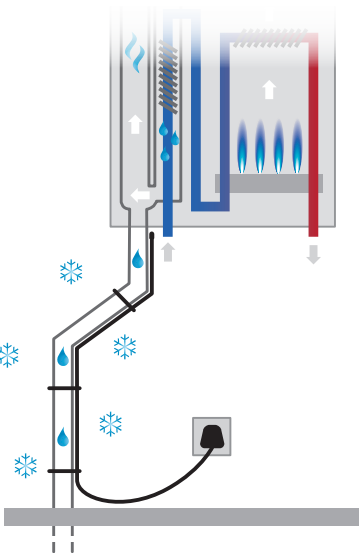
**RAYCHEM**

# Protect Your Pipes From Freezing!

In recent winters, the UK has experienced extreme weather with temperatures as low as -25°C. In cold weather, we rely on our boiler installation to keep our family warm. But cold temperatures can result in a major increase in frozen condensate drainage pipes from condensing (high efficiency) boilers. The blockage can stop the condensate flowing away causing the boiler to shut off when it is needed most. Installing nVent RAYCHEM FrostGuard will prevent pipes from freezing, keeping you safe and warm this winter.

nVent RAYCHEM FrostGuard is an energy efficient heating cable kit which is fixed either in or onto the condensate pipe to prevent it from freezing. It includes smart self regulating technology which means in very cold conditions, the heater cable produces more heat and in milder

freezing conditions, less heat. This means you get freeze protection and energy efficiency all rolled into one! The simple Plug 'n' Play system requires no specialist electrical knowledge. Simply plug into the electrical socket and fix to the pipe.



## PRODUCT INFORMATION

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### Product selection phase

- Available in 10 sizes (varying length of heater.)
- **Pre-installed** with a plug and cold lead to avoid the need for electrical wiring & connections.
- **Self regulating** technology delivers just the heat that is needed.

### The installation phase

- The quickest and easiest installation possible. **Simply plug and go!**
- Fix the cable to the pipe with GT-66 adhesive tape, or insert into the pipe.

### The application

- Ideal for small diameter pipework up to 80 mm.
- An excellent solution for temporary pipe installations.
- The right choice for domestic and small commercial buildings.

# What should I do if I already have a frozen installation?

Don't panic, the guidance below will help resolve the problem and prevent a recurrence.

Note: Remedial action should be carried out by a competent installer or service

## 1. Locate the blockage.

It is likely that the pipe is frozen at the most exposed point external to the building. This could be the open end of the pipe, at a bend or elbow. The location of the blockage should be identified before taking further action.

## 2. Thaw the frozen pipe.

The pipe can be thawed by applying a hot water bottle, a microwaveable heating pack (the sort used for muscular aches and pains) or cloths soaked in warm water to the exterior of the pipe, close to the point of blockage. Warm water can also be poured onto the pipe from a watering can or similar container. Do not use boiling water.

**Note:** Only attempt to thaw a condensate drain pipe which can easily be reached

safely and from ground level. Safety is the number one priority.

## 3. Install the RAYCHEM FrostGuard product.

Install the FrostGuard heating cable kit onto or into the pipe in line with the manufacturer's instructions. If installed onto the pipe, the pipe should also be insulated.

## 4. Reset/restart the boiler.

Once the blockage has cleared consult the boiler operating instruction, or check the manufacturer's website, for guidance on any action needed to clear the fault code/alarm and restart the boiler. If this does not succeed you should call in a competent engineer to assess the situation and take further action if required.



## TECHNICAL DATA

Nominal power: **10 W/m @ 5°C**

Voltage: **230 Vac**

Max. Exposure Temperature: **65°C**

Min. Installation Temperature: **-10°C**

Heating cable Self-regulating cable with protective braid and fluoropolymer jacket in compliance with IEC62395.

Approvals: CE approved



## PRODUCT SELECTION PHASE

Part ref	Product Name	EAN Code
1244-011339	Frostguard-2m-UK	5414506013207
1244-011340	Frostguard-4m-UK	5414506013214
1244-011341	Frostguard-6m-UK	5414506013221
1244-011342	Frostguard-8m-UK	5414506013238
1244-011343	Frostguard-10m-UK	5414506013245
1244-011344	Frostguard-13m-UK	5414506013252
1244-011345	Frostguard-16m-UK	5414506013269
1244-011346	Frostguard-19m-UK	5414506013276
1244-011347	Frostguard-22m-UK	5414506013283
1244-011348	Frostguard-25m-UK	5414506013290

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