

# Floor Heating Systems



CONNECT AND PROTECT

## nVent NUHEAT as a heat source

nVent NUHEAT's suite of radiant heating solutions brings a clean and soundless system to provide warmth to any room. nVent NUHEAT products use zone heating is an energy efficient practice. Zone heating using a programmable thermostat, means heating only where you want, when you want to. Electric radiant heat allows homeowners to lower their central heating system while still being comfortable. It offers an energy saving alternative to keeping the forced air heating system running throughout the entire house or building and can help reduce overall energy consumption.

The applications for nVent NUHEAT can go beyond simply heating a bathroom or kitchen, and can also serve as more than just a luxury. If rooms in your home or building comply with modern insulation requirements for your region, nVent NUHEAT can act as an effective and efficient heat source. This means less dependence on additional heat sources, as well as reduced energy costs associated with heating. However, for rooms with lower insulation levels (in older homes), additional heat sources may still be required, especially if upgrading insulation values proves difficult. Upgrading your insulation, however, regardless of your heat source will not only keep your house or building warmer but also lower your heating bills.

Instead of heating and reintroducing warm air into a room, nVent NUHEAT directly heats the occupants of a room through conduction, the process of transmitting heat, as well as by controlling the air temperature by introducing heat directly to the room. Because this heat emanates from the entire floor surface, the heat is even, consistent and most concentrated at up to six feet above the floor. This translates into consistent comfort despite a cooler ambient air temperature.

nVent NUHEAT solutions are nearly invisible, tucked neatly beneath the flooring surface, meaning the only visible aspect of the system is the thermostats, which are modern and aesthetically pleasing. Because the heating source is safely encased between layers of thinset or self-leveler, there is no concern of furniture, drapes or children coming in contact with the heating source. nVent NUHEAT products are engineered to keep safety in mind, they remove the risk of floors becoming too hot and ensure there are no cold spots either, especially when installed by a nVent NUHEAT Certified PRO installer.

nVent NUHEAT boasts a 25 year product warranty and nVent NUHEAT floor heating systems require no maintenance. nVent NUHEAT products work under all different forms of floors: tile, stone, laminate and engineered wood. From standard cable, mesh and mat systems to cable solutions with uncoupling membrane or made-to-measure custom mats, nVent NUHEAT has the right product for each application.

## FREQUENTLY ASKED QUESTIONS

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Q: Can I use nVent NUHEAT to replace my electric baseboard heaters?

A: Yes, nVent NUHEAT produces 12 watts per square foot (41BTUs per square foot) and can easily heat most rooms.

Q: Does nVent NUHEAT use more electricity than electric baseboard heaters?

A: No! Any properly sized electric heating device will require the same amount of electricity to maintain or change a room's temperature.

Q: Can I use nVent NUHEAT to replace my water radiator?

A: Yes, nVent NUHEAT is a viable alternative to water radiators. Invisible and maintenance-free, nVent NUHEAT is an easy heating replacement during renovations.

Q: Will nVent NUHEAT heat the whole room or just the floor?

A: The whole room! nVent NUHEAT transforms the entire floor area into the room's heat source – guaranteeing even, consistent heat.

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