

Radiant Floor Heating

- Radiant floor heating systems provide superior comfort over conventional space and water heating systems.
- Economical natural gas - combined with radiant technology - helps lower homeowner operating costs for heating and makes a home more desirable.
- Radiant floor heating systems are invisible in the living space of a home.



A Comfortable and Efficient Alternative for Homeowners

A radiant floor heating system is a cost-effective alternative to conventional heating that increases home comfort while reducing a home's energy bills.

Radiant floor heating includes two primary components: the tubing and the heating source - water heater or boiler. Since the tubing is located beneath the floors of a home, the heating system is invisible in the living space of a home! Though radiant technology works with virtually any fuel, systems fueled by natural gas are the most efficient and the most popular.

Types of Systems

There are many equipment options and different ways to install radiant floor heating systems, including:

Single-purpose system: Separate heating vessels are used; each has a single purpose. A separate water heater or boiler provides heated water for the radiant floor system while a conventional furnace or boiler and water heater handles regular heating needs.

Dual-purpose system: A single unit performs two functions in one, supplying energy for both the radiant floor system and domestic hot water.

Contained system: Water supplies for the radiant floor heating system and household water are isolated by separate coils. The radiant tubing can be filled with a water-glycol mixture to prevent freezing in seasonal and outdoor installations.

Radiant Floor Heating Is Flexible and Versatile

The installation of a radiant floor system at the time of construction gives the homeowner maximum flexibility in choosing an option that meets their needs. Systems can be installed under almost any type of finished floor material, including ceramic, wood, tile, marble, concrete, or carpeting.

Features and benefits:

- Radiant floor heating provides superior comfort by spreading heat more evenly and reducing cold spots.
- Radiant systems heat floors and other objects which radiate heat back to people. Cold floors are virtually eliminated, whether the surface is wood, tile, marble, or carpeting.
- Radiant systems are quiet- they have no blower fans or clanking radiators.
- Heating can be directed to specific zones or rooms, each equipped with thermostats for added efficiency.
- Dual-purpose systems offer equipment cost savings.
- Radiant floor heating is a comfortable, efficient option for new construction, remodels, and new room additions.
- Radiant floor tubing is so versatile that it can be installed in your garage floor, walkways, and driveways to melt snow.



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