



THE 5 ADVANTAGES OF

RADIANT

FLOOR HEATING SYSTEMS



Radiant floor heating systems are becoming increasingly popular.

More and more homeowners are either installing it in their current homes or asking for it to be included in new home construction projects.

In short, here's how radiant heating works:

Your thermostat signals the radiant floor heating system to activate

A boiler heats up a water supply

The hot water is funneled through pipes underneath your floor

Radiant heat is transferred to the people and objects in the room

Cool water is recycled back to the boiler to heat up again

While there's no better way to warm your toes on a cold winter night, radiant floor heating offers other benefits for you to take advantage of.

ADVANTAGE 1

Energy-Efficiency

A conventional radiator and/or baseboard heating system must reach an approximate temperature of 70C in order to effectively warm up a room. Also, radiators heat the air that's closest to them first. That's why rooms heated by radiators or baseboards tend to have "cold spots."

Radiant floor heating is more energy efficient because:

- Water only needs to be heated to approximately 29°C
- The entire floor area is heated
- Warm air rises consistently though every corner of the room; no "cold spots" to deal with



On average, a radiant system can reduce heating costs by as much as 15%.

ADVANTAGE 2

Virtually Maintenance-Free

Once a radiant floor heating system is installed, running it requires little to no effort on your part.

Your system can be connected to your smart thermostat, so that it turns on automatically as soon as a selected temperature threshold is reached.

You can also program your radiant floor heating system to activate at certain times of the day (such as when you wake up in the morning) and shut it off at nighttime.

ADVANTAGE 3

Compatible with Most Floor Materials

No matter what floor covering you want to heat – and no matter what room it's in – radiant floor heating systems are designed to work with a variety of floor types:

LAMINATE FLOORING

WOOD

TILE

STONE

CARPETING

VINYL

ADVANTAGE 4

Safety and Health

If you have young children and radiator/baseboard heating, you're always worried they'll touch the hot element or injure themselves on sharp surfaces and corners.

Radiant floor heating systems eliminate that concern because it's installed in an out-of-the-way location (underneath your floor) and doesn't get too hot to the touch.

For those with allergies or breathing difficulties, radiant heating improves indoor air quality by:

- Keeping air fresh, clean and oxygenated
- Reduces dust circulation
- Air does not become dry or stale

ADVANTAGE 5

Quiet Operation

Forced air heating systems can be quite noisy when they're activated and running. While they do provide comfortable heat, the sound is irritating.

Radiant floor heating systems are quiet. There's no blower to run and no air is being circulated through metal ductwork.

Contact Advantage AirTech ClimateCare For More Information

If you're thinking of installing a radiant floor heating system in your home, the team at Advantage AirTech ClimateCare can help.

Contact us with your questions and we'll reply ASAP with the answers you need.



1-888-727-2105

www.advantageairtech.com