

Energy Saving Ideas

Comfortable, Healthy And Quiet— The Geothermal Environment

(NAPSA)—A home heated and cooled with a geothermal heating and cooling system is a comfortable home. That's because a geothermal system provides precise distribution of air, eliminating hot and cold spots throughout the home.

Geothermal systems take advantage of free solar energy stored just below the surface of the earth. Using a series of pipes (an earth loop) buried in the ground, the system extracts heat from the ground and distributes it through a home, using a conventional duct system. This same heat energy can also be used for a radiant floor system or domestic hot water heating, reducing heating and cooling bills by as much as 70 percent. In the cooling mode, the heating process is reversed—heat is extracted from the air in the home and either moved back into the earth loop or used to preheat the water in a hot water tank.

A geothermal system runs more frequently than other heating and cooling systems and at lower speeds, which means the air is always circulating through the house to reduce hot and cold spots as it increases comfort levels. Constant circulation also means air inside the home regularly circulates through the air filter, improving indoor air quality (IAQ). In addition, the system does not require combustion and therefore produces none of the products associated with combustion, including carbon monoxide, which can negatively impact the air you breathe. Nor does it require a system to vent carbon monoxide and other dangerous exhaust gases.



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WaterFurnace offers a host of IAQ products to further enhance a home's indoor environment. Filters and air cleaners capture airborne allergens and contaminants, while heat-recovery ventilators are designed to move stale, contaminated air from inside your home to the outside and draw fresh air from the outside, filter it and deliver it throughout your house.

And unlike many conventional air conditioners or heat pumps, a geothermal heating and cooling system is quiet, requiring no noisy and unsightly outdoor units to disturb your outside environment or your neighbors. Instead, all equipment is located inside, conveniently sized and constructed for quiet, efficient operation.

To learn how a geothermal home comfort system can ensure a comfortable, healthy, quiet home year-round, visit www.waterfurnace.com or talk to a WaterFurnace expert at (800) GEO-SAVE.