

RESIDENTIAL

HOME COMFORTS WITH GREEN HEATING & COOLING SOLUTIONS

"The most energy efficient, environmentally clean, & cost effective space conditioning system available."

US EPA



 **GEOEXCHANGE**

HEAT AND COOL YOUR HOME THE SMART WAY WITH A WATERFURNACE GEOEXCHANGE COMFORT SYSTEM, USING THE CLEAN, FREE, RENEWABLE ENERGY FOUND JUST BELOW THE EARTH'S SURFACE

- ✓ High efficiency heating & cooling systems
- ✓ Lowest running costs
- ✓ Quietest operation
- ✓ Lowest maintenance
- ✓ Best indoor air quality

Geoexchange systems do not rely on fluctuating outside air temperatures or non-renewable fossil fuels to provide superior indoor comfort. Instead they utilise constant ground temperatures located just a few metres below your backyard.

With energy efficiency ratings of 400 to 600%, Geoexchange systems save many homeowners 40 to 70% in heating and cooling costs while helping to protect the environment. With outstanding energy efficiency, cost effectiveness and environmental responsibility, it's easy to see why more and more homeowners are converting to Geoexchange.

SMARTER FROM



GROUND LOOPS & WATER LOOPS

The ground serves as a giant solar collector, storing almost 50 % of the heat energy from the sun. Just a few metres below the surface, ground temperatures remain relatively constant and moderate all year. A Geoexchange system uses the earth as a free heat source during winter and a heat sink in summer.

Horizontal loops are preferred where land area is available, although if space is limited, vertical loops are installed. A nearby pond can also be utilized as a water loop, while if well water is abundant and of good quality, an open water loop system may be ideal.

GeoExchange dealers are trained to design the best loop system for your home to ensure optimum performance.

WATERFURNACE GROUND SOURCE HEAT PUMPS

Your home's comfort is important to you and your family and you want a comfort system that will provide you with peace of mind and low operating costs for many years. As one of the world's leading manufacturers, WaterFurnace has a range of ground source heat pumps to suit every household.

Whether you prefer ducted air or hydronics, WaterFurnace has a ground source heat pump to suit. In fact, the WaterFurnace Envision range of ducted air units holds 19 of the top 20 ARI/ISO certified spots for product efficiency in the ISO 13256 category and is the highest efficiency product ever tested by ARI.



As a leader in the industry, WaterFurnace are dedicated to innovation, quality and customer satisfaction. Every unit built is exposed to a wide range of quality control procedures throughout the assembly process. They are subjected to a rigorous battery of computerized run tests to certify that they meet or exceed performance standards for efficiency and safety, and will perform flawlessly at startup.

As further affirmation of their quality standards, each WaterFurnace unit carries our exclusive Quality Assurance emblem, signed by the final test technician. By choosing WaterFurnace products, you can be assured that you're investing in the ultimate comfort system and that it will provide peace of mind for many years to come.

THE GROUND UP

INVESTMENT COSTS

CAPACITY (kW)	APPROX BUDGET ESTIMATE - VERTICAL	APPROX BUDGET ESTIMATE - HORIZONTAL
10	\$27,000	\$16,000
15	\$34,000	\$22,000
20	\$48,000	\$30,000
25	\$58,000	\$34,000
30	\$65,000	\$38,000
35	\$75,000	\$46,000
40	\$80,000	\$50,000

Note 1: Costings provided are subject to detailed design and does not include the distribution system (ie hydronic piping or ducting).

Note 2: Costings for closed and open water loops not provided due to large discrepancies experienced for these projects. If you think that a water loop is suitable for your project please contact us and we can provide an estimate.



NEXT STEPS

If you would like to discuss the potential for a Geoexchange system in your home, your accredited GeoExchange dealer will be happy to assist. GeoExchange dealers are certified with both the International Ground Source Heat Pump Association (IGSHPA) and WaterFurnace for the design and installation of Geoexchange systems.

A preliminary assessment of your home will require a copy of your building plans and a site plan, as well as information on construction materials, insulation and local soil and geological conditions. If you are not sure of some of this information, your local dealer will be able to assist you. Utilising internationally adopted and independently developed software, Geoexchange dealers can provide you with a cost comparison with your choice of alternative system so that you can quickly see the benefits of installing a Geoexchange system.

If you have any questions or would like to discuss Geoexchange further please do not hesitate to contact either GeoExchange Australia or your local accredited dealer.

“The WaterFurnace system has been a hassle free and cost effective alternative. We carefully investigated all the alternatives before selecting this system and have been delighted with the efficiency and performance.”
Steve, Adelaide Hills

Your local accredited Geoexchange dealer



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High efficiency Geoexchange heating & cooling systems