

Gas Heaters

Frequently Asked Questions



How does a gas heater work?

Gas Heaters run using electricity, in conjunction with either natural gas or propane fuel. The gas is burned in a combustion chamber, where the heat is transferred to the pool water using a heat exchanger. The average gas heater lasts approximately 10-15 years. Due to the extreme operating temperatures, regular maintenance by a licensed gas fitter is essential to ensure the heater runs efficiently and safely.

What is the advantage of gas over the other options?

Gas heaters are great for heating pools or spas in a short period of time. The efficiency of a gas heater works fantastically in conjunction with a solar pool heating system - by combining with solar will provide a much more cost effective way of maintaining a consistent temperature. A gas heater can be a valuable aftermarket addition to a solar pool heating system. Gas is referred to as the 'silent' option.

How long does gas take to heat to the set temperature?

Depending on the size of the pool, a correctly sized gas heater can be expected to heat a minimum of 14 degrees on a standard domestic installation. The higher capacity of heater, the faster the temperature setting will be reached. For a spa, the heater size is dependant on the temperature rise requirement.

What does a gas heater installation usually involve?

Australian Energy Systems is able to complete the plumbing installation, however, a licensed gas fitter is required for gas pipe-work and connection. An average installation takes approximately 4 hours for plumbing and gas fitting. LPG requires 1 or 2 gas bottles and Natural gas connects to the main natural gas line. Natural gas is only available in some areas.

What are the ongoing running costs and can I reduce them if necessary?

We are able to provide an approximate running cost using a program developed by the University of NSW and the CSIRO. The program runs a simulation based on geographical location, pool design and average outdoor temperatures and outputs an average running cost based on those figures. The running cost varies depending on temperature requirements, heater capacity, nominal running times, and pool cover usage. By combining with the use of a pool cover for 12 hours a day, you can expect to halve the running cost of the heater and size requirement. The addition of a solar pool heating system will also reduce running costs by up to 60%.

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