

Gas Hot Water Systems – All You Need to Know about them

Gas hot water systems use LPG (liquid petroleum gas) or natural gas as the energy source to heat water. The eco friendly option is to use natural gas, which is in fact, the most popular type of water gas water heating system.

These systems are available in different models, some of which offer continuous heating while others offer instantaneous heating.

Another variety of heater is a hybrid version that uses both solar and gas as energy source. Solar panels are used to heat water, but a gas booster is provided when suns' heat is inadequate to cause heating.

You can choose a system depending on your usage pattern and requirements.

Different factors that influence your choice of gas water heater are the location where you plan to install it, amount of water that needs to be heated, and rate of utilization of hot water. If you need hot water at several locations in a house or commercial building, you can install a central heating system and use pipes to transfer heated water.

On a broad basis, you can classify **gas hot water** systems into two kinds – instantaneous heaters and continual heaters.

Instantaneous heaters

Instantaneous heaters heat water instantly. They are the most energy efficient systems as well. When water passes through the system, it is instantly heated.

On the flip side, instantaneous heater does not provide a provision for storing heated water.

However, this limitation is a benefit in disguise because not having a storage tank has its own advantages. Firstly, storage tanks need a lot of maintenance. Secondly, they wear out in little more than a decade and you'll have to replace them.

Continual heaters

Continual heaters heat water continuously in a storage tank. A thermostat fitted to the heater ensures that temperature of water is maintained at a particular level. When you use water from the tank, more water is added and heated.

The limitation of continual heaters is that they use more gas to keep the water constantly warm.

Secondly, the storage tank needs regular maintenance, especially if the water in your region is slightly hard.

Thirdly, you need to install a small chimney in order to expel exhaust gases from the heater.

Re-circulating gas hot water system

A re-circulating system heats water consistently but is more energy efficient than the continual heaters. In these heaters, a thermostat is not used to maintain water temperature. Rather, a pump is fitted to these heaters. The pump sends water back to the heating chamber for reheating. The pump also works on gas.

Before buying a gas heater, assess your needs because the size of the heater depends on it. Also check out any regulations related to use of these heaters in your region. Buy only from a certified dealer who sells certified **gas hot water** systems.