

Gas water heater (Gas Geyser):

Introduction:

The water coming into our home travels through a network of pipes, and, depending on the time of the year, it is usually cold or cool. A water heater is a necessity if you need water that is warm enough to take a shower, or to wash your kitchenware.

Nowadays, gas water heaters (or gas geysers) are common appliances in homes. The heater, designed for smaller spaces, looks compact, has a cubical or cylindrical shape, similar to the barrels used for storing water. Although, gas heaters might look unassuming on the outside, they are equipped with a clever mechanism on the inside.

In terms of appearance, a gas geyser is typically built to resemble an electric unit, but without the two heating elements. It is equipped with a gas burner at the bottom of the tank, and the chimney runs up through the centre of the tank.

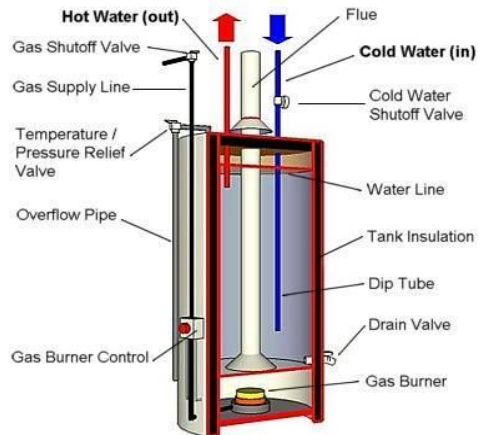
The geyser has a metal tank that has the capacity to hold up to 150 to 200 gallons of hot water. It also has a dip tube that originates from the top of the tank and winds all the way to the bottom of the contraption. The shut off



valve effectively stops the flow of water into the tank. There's also also a temperature control device (Thermostat) and a drain valve.

Note that gas geysers, as the name suggests, run on gas, water, batteries, and flame.

A word of caution from manufacturers is to fix geysers outside the bathroom or the kitchen, or a common location between bathroom and kitchen. Alternatively, a hole can be drilled through the wall to connect the gas pipe to the geyser.



Gas Hot Water Heater Components

Features:

- Gas geysers have gained a competitive edge over electric water heaters owing to the rising cost of power compared to gas. Thus, gas geysers have proven to be a lot economical as electricity is not a prerequisite.
- Gas geysers are not only cheaper, but also time-saving as they can heat water in a short duration of approximately 30 seconds. This makes them highly efficient.
- For Indian homes having sparsely ventilated bathrooms, a gas geyser with an “Oxygen Depletion Sensor” can automatically shut the geyser if the oxygen levels in the bathroom drop.
- Finally, the shelf life of a gas geyser depends on the manufacturer of the product. However, most gas geysers in the market come with a one-year warranty and carry the ISI (India Standard Institute) mark.

- Maintenance and care is another factor that plays an important role in a gas geyser's warranty. A well-maintained gas geyser can easily run for ten to fifteen years.

Conclusion:

- Gas geysers are user friendly devices and not harmful for children to operate.