

## Multipoint Water Heater

Most water heaters fitted in conjunction with warm air units are **circulators**, these are usually fitted in the case of the warm air unit and are very simple in operation. The heated water in the circulator rises by gravity into a direct cylinder, then the cooler (Heavier) water drops back for re-heating.

Far more popular are Instant multipoint water heaters These are totally independent of any central heating system, so can be fitted in homes without central heating or they can be used to give instant hot water with any other type of heating. When the hot tap is turned on, the gas fires and hot water is delivered at about 60 deg °C with a delivery of about 1.5 Gal/min (dependent on incoming water temperature). So although it can, in theory, supply several taps, it can realistically only supply one tap at once. This is not normally a problem. Most instant water heaters do not use any electricity at all or store any hot water. A lot of this type of water heater are fitted in conjunction with a normal central heating boiler, giving all the advantages of a combination boiler, but can supply hot water and heating at the same time. These are more reliable and cheaper for parts, but more expensive to install and take up more wall space. They can often be fitted in the cylinder cupboard, as the cylinder is not used.



### Advantages

Constant hot water

No wasted water

Cheap to run

Easy to maintain

### Disadvantages

Relatively slow flow rate

Extra appliance to service