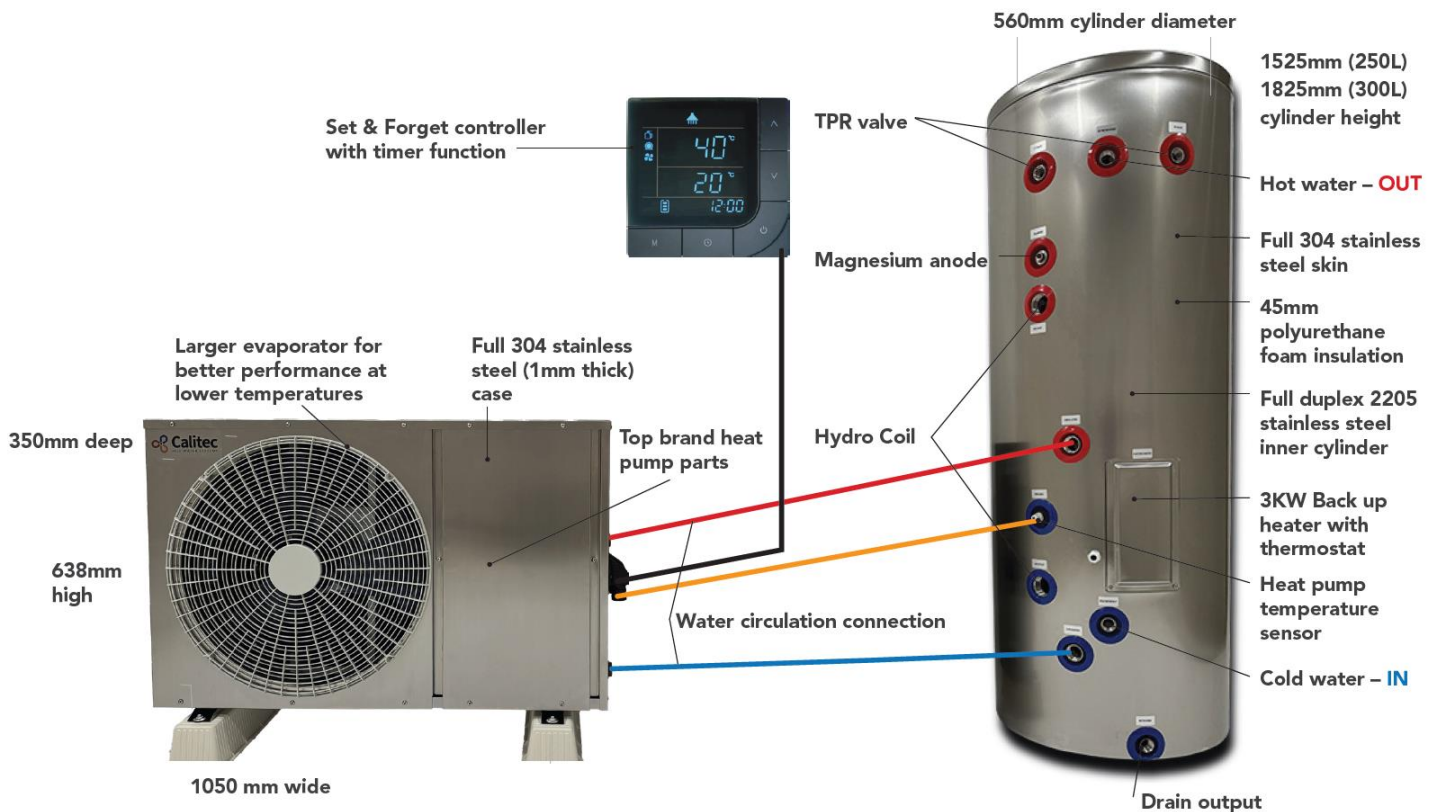


# Quick installers guide: Calitec WH-70



## Electrician:

The WH-70 heat pump needs to be installed with a manual isolation switch. The WH-70 has a conduit connector for 25mm flexible conduit.

The max. power is 1.9 kW (8A)

The electric heater of the hot water cylinder needs to be installed with a manual isolation switch – just like a normal hot water cylinder installation.

In normal, heat pump operation, the electric heater will be switched off. In case of a heat pump failure the customer can switch the heater ON and call the installer about the heat pump failure.

The electric heater is 3 kW. (12.5 A)

The temperature sensor runs with a 2-core signal wire from the sensor pocket in the hot water cylinder to the WH-70 heat pump. The 20-meter sensor wire is supplied with the WH-70. The sensor wire can be cut to length.

The display / controller is connected by a 4-core signal wire to the WH-70 heat pump. A 20-meter controller wire is also supplied with the WH-70. The controller could be wireless connected to the local Wi-Fi network for system controlling by the App. Make sure the controller is in range of the Wi-Fi network. Contact us for more information about waterproof controller casings if you want to locate the controller outside.

## Plumber:

The Calitec hot water cylinder needs to be installed as a normal hot water cylinder according to the current rules and regulations. All the connections are 3/4". The HWC is supplied with an 850kPa TPR valve. Download the cylinder drawings from our website ([www.calitec.nz/drawings](http://www.calitec.nz/drawings)) for the exact measurements.

The circulation pipes are 1", the maximum length of these pipes is depending on the insulation and the flow of the pipes. With proper insulation 20 meters will be no problem. It is advised to install detachable stop valves in the circulation circuit to enable easy de-installation of the heat pump unit, when necessary.

## Installing two hot water cylinders:

### Plumber & Electrician:

The WH-70 2<sup>nd</sup> cylinder kit contains an extra temperature sensor wire and a 1" 3-way valve. The 3-way valve needs to be installed in the return circulation pipes. And connected with a 3-core cable to the WH-70.