

# Generic installation instructions for Rinnai unflued water heaters



Please read this document in conjunction with the individual appliance installation and operating instructions.

In addition to delivering high quality, efficient and innovative solutions, Rinnai has a commitment to safety and safe practises. In May 2010 new gas regulations came into affect that prescribe information on general safety, point of supply and certification of gas appliances. This document addresses safety aspects of installation and operation of Rinnai unflued water heaters.

## Installation

From 4th May 2010 all Rinnai unflued water heaters, whether new or second-hand must be installed by a licensed gasfitter.

All installations connected to LPG gas supplies with a capacity greater than 15 kg must also be certified by a licensed certifying gasfitter.

Appliances must be installed in accordance with the relevant installation standards which are:

- AS/NZS 5601.1 for stationary installations such as houses, baches, factories, and other commercial installations
- AS/NZS 5601.2 for portable and mobile installations such as caravans, boats, mobile homes etc.

These standards place restrictions on:

- The minimum size of the space in which an appliance can be installed; it is important that these are observed
- The types of spaces in which appliances are installed; in particular unflued water heaters may not be installed in bedrooms, bathrooms, and some other areas
- The clearance from the appliance to its surroundings

## Flueing

Rinnai unflued water heaters are not designed to be adapted to and operated with a flue. Rinnai does not authorise this type of installation.

If a licensed gasfitter proposes to install a Rinnai unflued water heater with a flue, ensure a gas certificate is issued for the installation which is assurance that the installer has considered the design carefully and carried out the appropriate testing to verify the safety of the appliance.

## Operation

Ask the installer to explain and demonstrate the operation of the appliance before leaving the installation site. This is an important part of the installation process.

- ALWAYS ensure there is adequate ventilation when the appliance is in use
- DO NOT cover or place articles on this appliance
- DO NOT operate/install this appliance in areas where painting is taking place, or in places such as hairdressing salons, where there may be fluff or dust, and where aerosols are used

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## Operation continued

- DO NOT spray aerosols near this appliance while it is in use, most contain butane gas which can be a hazard if used near this appliance
- Use of aerosols, paint, polishes etc. while the appliance is in use may cause unpleasant odours
- Keep the appliance away from flammable materials. Combustible materials must not be placed where the appliance could ignite them.

## Important

If the appliance goes out frequently during use, this is an indication that the device for preventing incomplete combustion is operating. If this occurs, immediately stop using the appliance and call a licensed gasfitter for service.

It is dangerous to continue using the appliance in this condition as carbon monoxide could be produced.

Regularly check the flame picture of the appliance through the viewing window. The flame should always be completely blue. If the flame appears to be yellow or have yellow tips, immediately stop using the appliance and call a licensed gasfitter for service.

It is dangerous to continue using the appliance in this condition as carbon monoxide could be produced.

## Servicing

All appliances should be regularly serviced by a licensed gasfitter. This should be done annually or immediately where any condition outlined previously has occurred.

## Safe and economical working life of the appliance

Depending on the operating environment, frequency of operation, water and gas quality, the appliance would not be expected to be used in excess of 10 years. Some parts such as burners and heat exchangers degrade and the appliance will no longer be burning as cleanly as when it was new.

The date of manufacture is indicated on the data plate of the appliance. Ten years after this date the appliance should be decommissioned and disposed of.