

Flueless gas heaters

Gas bulletin 13

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Advice for gas heater retailers and owners

If you sell, install or have an flueless gas heater installed, you must comply with the required standard for gas installations in South Australia (SA). *The Gas Act (SA) 1997* calls up AS/NZS 5601.1 as the required standard for installations in SA.

There is a maximum allowable flueless heater rating of 18 megajoules per hour (MJ/hr) in SA, which applies to both natural gas and LPG heaters.

Calculating flueless heater capacity for a room

Non-thermostat models

Room volume in cubic metres x 0.2
= maximum megajoule rating allowed in the room.

e.g. room volume is 60 cubic metres x 0.2
= 12 MJ/hr maximum capacity.

Thermostat controlled models

Room volume in cubic metres x 0.4
= maximum megajoule rating allowed in the room.

e.g. room volume 60 cubic metres x 0.4
= 24 MJ/hr, however the maximum capacity rule limits the appliance to 18 MJ/hr.

Measurement conversion units

(mm² x 0.01 = cm²) or (mm² x 0.00001 = m²)

Ventilation

The room to be heated must have ventilation at both high and low level. This should be provided at a rate of 1,000mm² of free and permanent ventilation per MJ/hr rating of the heater – e.g. an 18 MJ/hr heater requires 18,000mm² of free ventilation area at both high and at low level.

Ventilation must be provided before using the appliance.

Heaters with capacity greater than 18 MJ/hour

Note that some flueless LPG heaters sold prior to the rule change may have a capacity of more than 18 MJ/hr. These heaters can still be sold and installed in SA, as long as the conditions regarding ventilation, room size and appliance capacity are still met.

Contact the OTR for a current list of flueless LPG heaters in this category.

Use a licensed gas fitter

Remember to always use a licensed gas fitter for all gas installation work. To find a licensed gas fitter or check a license, visit the Office of Consumer and Business Services website at cbs.sa.gov.au

Contact the Office of the Technical Regulator for more information

Online sa.gov.au/otr

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