

Flueless ventilation and bayonet fittings

Gas Bulletin #19

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What are my responsibilities as per AS/NZS 5601.1:2022, if I'm asked to install a bayonet point for a flueless gas heater and the appliance is not on site?

In order to protect yourself from future action under the Gas Act 1997 it is recommended that you proceed as follows.

Check to see that a flueless room heater can be installed in the particular area. Establish that the room is not a prohibited location, i.e. bedroom, bathroom, toilet, sauna, spa room or a combined living/sleeping area.

- Calculate the volume of each room (in cubic metres) in which you are to install a bayonet fitting. Where open archways exist from one room or space to another the combined volume can be calculated as for one room.
- **Refer AS/NZS 5601.1:2022 Clause 6.4.7** Multiply the volume by **both** 0.2 for heaters without a thermostat and 0.4 for heaters with a thermostat, to calculate the maximum rating of flueless heater of each type that can be safely and legally used in that room. Note this information on your COC and advise the owner/occupier so that they can source a heater matching the rating.
- **Refer to Appendix M, Clause M.3.2.1.** *Where a quick connect device socket is installed for the future connection of a flueless heater and the capacity is unknown, the room is required to have two ventilation openings installed, one at high level and one at low level. Each opening is required to have a minimum free area of 25 000 mm² (250 cm²).*

What does this mean for you, if you are asked to install bayonet points only and the heater has not yet been purchased then you must advise your client that you have to install 250 cm² vents at high and low level direct to atmosphere.

If your client does not want 250 cm² vents installed, then you have 3 choices;

- 1) Wait until the correct size flueless heater is on site and install the bayonet point and correct ventilation for that heater,
- 2) Discuss options for your client to install alternative heating, i.e. fan assisted room sealed gas heating or alternatively
- 3) Walk away from the job with gas point capped.

If you have any further questions, please contact the Gas trades team on the below contact details.

Regards

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