



21 March 2022

### **Ventilation in recreational vehicles**

Dear Gas work licence holder,

This communication is to remind you about **ventilation** requirements in caravans, camper trailers and motorhomes (Recreational vehicles).

The current safety requirement (*standard*) for installing and altering gas systems in recreational vehicles is **AS/NZS5601.2:2020** *Gas installations Part 2 LP Gas installations in caravan and boats for non-propulsive purposes*.

- **Ventilation** is required to ensure correct and safe operation of **gas appliances and flueing systems** and to maintain **safe ambient conditions** (clause 2.9.4).
- **Ventilation** is required in any space where a gas appliance is installed, **including** where there is a **room sealed appliance**.

**Note:** a refrigerator in a sealed recess is considered a room sealed appliance.

- **Ventilation must be at least 4000mm<sup>2</sup>**, or the value calculated by using the formula in clause 7.3.1 (*minimum free area*), whichever is greater.

**Note 1:** Where there is a cooking appliance and a room sealed appliance the calculation should only use the input rating of the cooking appliance.

*Example 1: vent free area = (610 x cooking appliance) + (650 x number of sleeping spaces)*

**Note 2:** Where there are only room sealed appliances the calculation should use the number of sleeping spaces multiplied by the given value 650.

*Example 2: vent free area = (650 x number of sleeping spaces) OR 4000mm<sup>2</sup>, whichever is greater.*

- The calculated ventilation free area (or **4000mm<sup>2</sup> minimum**) must be provided by at least two permanently open vents located to provide a cross flow of air (clause 7.4.1), 50% free area at high-level (clause 7.4.2) and 50% free area at low level (clause 7.4.3).

### **Further information:**

- For ventilation requirements in recreational vehicles refer to section 7 of AS/NZS5601.2:2020 Gas installations Part 2 LP Gas installations in caravan and boats for non-propulsive purposes.
- Access the [Petroleum and Gas website](#).
- Access current [Queensland legislation](#).

Paul Beaumont  
**Principal Inspector Gas work**