

## Gas Information Sheet No. 50

# Application of AS/NZS 5601:2013 Part 1 & 2 for catering vehicles & vans

AS/NZS 5601.2:2013 LP Gas Installations in caravans and boats for non-propulsive purposes define a caravan as:

*A structure that was designed or adapted to be moved from one place to another, whether towed or transported, which is intended for human habitation **or use as a workplace**, and includes a self-propelled recreational vehicle or mobile home. Included is any associated annex and the like, whether permanently or temporarily attached to or adjoining the main portion of the structure.*

ESV recognises that recreational caravans and catering vehicles (i.e. a work place) have similarities around the safe supply and storage of LP Gas and restrictions on approved piping materials due to vibration.

ESV also acknowledges that the intended uses of a caravan for commercial catering purposes are quite different and as such believes the application of AS/NZS 5601:2013 Part 2 is not always the most appropriate Standard to reference. This has been acknowledged in part, by the Standard, in Clause 1.2 that reads:

**Note:** Where commercial catering equipment is to be installed, refer to AS/NZS 5601.1.

## Compliance

AS/NZS 5601:2013 Part 1 and 2 applies to new installations, alterations and extensions commenced after its publication date or the date of adoption by the relevant Technical Regulator (i.e. 31 March 2014 by ESV). It does not apply retrospectively to existing installations, but any repairs or modifications to existing installations shall comply with the requirements of this Standard.

ESV applies this logic when assessing an application for acceptance of a gas installation. The scope of the application will be assessed for compliance.

It is the obligation of the gasfitter to ensure the installation is safe for use upon completion of the works. This may mean that additional work will be required on the installation above the scope of the original work to ensure the gas installation is safe or to ensure an unsafe installation is isolated prior to the completion of the works.

## Application of AS/NZS 5601:2013 Part 2 in the context of commercial catering vans

### Cylinders

Cylinders shall comply with the requirements AS/NZS 5601:2013 Part 2 Section 3.

Note: Table 5.1 requires

- All hose assembly connections between the cylinder outlet valve and the regulator assembly shall be fitted with an excess flow device immediately upstream of the hose assembly.
- The excess flow device may be an integral part of the POL fitting.

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### **Piping and Fittings**

Piping and fittings shall comply with:

- AS/NZS 5601:2013 Part 2 Clause 5.1.4.4 Prohibited types of piping, joints and fittings applies.  
**Note:** Multilayer (composite) piping systems shall not be used.
- AS/NZS 5601:2013 Part 2 Table 5.1 applies, including the requirement to use **fully annealed copper tube Type A or Type B** from outlet of cylinder regulator to appliances.
- AS/NZS 5601:2013 Part 2 Clause 5.2 is to be read as if the first paragraph of Clause 5.2.2 was deleted.

### **Ventilation**

Gas appliances shall be installed in locations with adequate ventilation for complete combustion, proper operation of the flue and to maintain the immediate surroundings at safe limits.

AS/NZS 5601:2013 Part 1 Clause 6.4.4 shall apply in establishing the minimum ventilation requirements. If Clause 6.4.4 cannot be met, given the nature of the operating environment (large open serving area), there is a potential for an alternative solution other than the two permanent openings prescribed.

**Clause 6.3.1 Adverse effect of air movement systems** should also be read in conjunction with combustion air ventilation requirements and allowances made for extraction canopy operation if this mobile catering vehicle is used for food preparation prior to the opening of any external shutter openings.

**Any alternative solution will require an application for exemption** (Schedule 6 of the Regulations). The exemption will need to ensure the same level of safety is afforded the occupant of the van while the gas appliances are operating.

### **Appliances**

AS/NZS 5601:2013 Part 2 Clause 2.9.1 Prohibition on installation:

*Except as provided below, the following appliances and equipment shall not be installed inside a caravan or boat*

- a) *An appliance which is designed to operate on an unregulated gas supply or at a pressure exceeding 2.75 kPa.*
- b) *A water heater, other than a room-sealed type.*

All gas appliances installed shall be fitted with flame safeguard systems.

Commercial catering equipment shall be certified and comply with the specific requirements of AS/NZS 5601:2013 Part 1.

### **Protection of combustible surfaces**

The clearance to combustible surfaces from commercial catering equipment shall comply with the gas appliance manufacturer's instructions and shall not be less than the clearance as shown in Table 6.10 AS/NZS 5601:2013 Part 1.

Materials used for protecting combustible surfaces around "Commercial catering equipment" shall be selected from ESV's Information Sheet No. 3 or meet the requirements of Appendix C AS/NZS 5601:2013 Part 1.

**Note:** Materials listed in Table C1 Appendix C AS/NZS 5601:2013 Part 1 or 2 shall only be approved when installing certified "domestic" gas appliances.

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### Further information

For further information, please contact the Gas Safety Technical Information Line on 1800 652 563.