

AS/NZS 5601.2:2020
Gas installations
Part 2: LP Gas installations in caravans and boats for non-
propulsive purposes
Amendment No. 2
Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 20 August 2024

New Zealand Standards Approval Board Approval: 7 August 2024

Published: 30 August 2024

Summary

This Amendment applies to the following elements:

- Global changes
- Clauses 1.1.2, 1.1.3.1, 1.1.3.4, 1.2, 1.3, 1.4, 2.2.1, 2.2.2, 2.2.3, 2.8.1, 2.8.4, 2.8.6, 2.9.1, 2.9.2, 2.9.3, 2.9.4, 2.9.5, 2.9.6, 2.13.3, 2.13.3.1, 2.13.3.2, 3.1.8, 4.2, 5.1.4.1, 5.1.4.2, 5.1.7, 5.2.7.3, 5.2.12.2, 5.2.12.3, 6, 6.1, 6.1.1, 6.1.2, 6.1.3, 6.1.4, 6.3.2, 6.3.3, 6.3.4, 6.3.5, 6.3.6, 6.5, 6.6, 6.7, 6.11.1, 7.1, 7.2, 7.3.1, 7.3.2, 7.4.1, 7.4.3, 8.1, 8.4.1, 9.2, 9.3.2.2, 9.4, 9.7, 9.8, 9.9.1, 9.10.1, 10.3.1, C.4, C.5.2, C.5.4, C.6.4, E.1.1, E.1.2, E.2.1, E.3.2.1, E.3.3.1, H.1, H.2, H.3, L.3.3.4
- Figures 3.1.8(E), 7.3.1
- Table 5.1.4.3
- Bibliography

Amendment Details

AS/NZS 5601.2:2020 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
Global	Delete "living space" and replace with "living space" in all instances.
CI 1.1.2	1 In Item (e), delete "gas appliances" and replace with "appliances". 2 In Item (f), delete "a gas appliance" and replace with "an appliance".
CI 1.1.3.1	1 First paragraph, delete "gas appliances" and replace with "appliances". 2 Delete Note 2 and replace with the following: NOTE 2: Although this clause does not apply to the repair of an <i>appliance</i> in an existing installation, immediate steps should be taken to make safe any unsafe <i>appliance(s)</i> or gas installation.
CI 1.1.3.4	First paragraph, second sentence, delete "gas appliances" and replace with "appliances".
CI 1.2	1 Delete "AS/NZS 1869" and replace with "AS 1869 (all parts)". 2 Delete "AS/NZS 60079.25, Explosive atmospheres, Part 25: Intrinsically safe electrical systems".

Element	Instruction/New text
	3 At end of the list of references, <i>add</i> the following: AS/NZS 1167.1, <i>Welding and brazing — Filler metals, Part 1: Filler metal for brazing and braze welding</i> EN 14324, <i>Brazing – Guidance on the application of brazed joints</i>
CI 1.3	1 Entry 1.3.27.3, <i>delete</i> “gas appliance” and <i>replace</i> with “appliance”. 2 <i>Delete</i> entry 1.3.38 and <i>replace</i> with the following: 1.3.38 hazardous area area in which an explosive gas atmosphere is present or can be expected to be present, in quantities such that special precautions for the construction, installation and use of equipment are required Note 1 to entry: This definition aligns with AS/NZS IEC 60079.10.1, which should be referred to for hazardous area requirements. 3 Entry 1.3.51, <i>delete</i> “a gas appliance” and <i>replace</i> with “an appliance”. 4 Entry 1.3.58, <i>delete</i> “a gas appliance” and <i>replace</i> with “an appliance”. 5 Entry 1.3.61, <i>delete</i> “gas appliance” and <i>replace</i> with “appliance”. 6 After entry 1.3.71, <i>add</i> the following: 1.3.72 living space space that is used for living, sleeping, eating or cooking and may include an annex or covered deck that forms a part of any item listed in Clause 1.1.1
CI 1.4	<i>Delete</i> first paragraph and <i>replace</i> with the following: Safe working practices shall be employed when working on <i>gas installations</i> . Work health and safety (WHS) requirements shall form the basis of the process of installing <i>appliances</i> . These requirements pertain to all aspects of access, installation, operation and maintenance. Persons installing <i>appliances</i> need to be aware of their responsibilities in accordance with local WHS requirements. Precautions shall be taken to avoid any electrical hazards present in the <i>gas installation</i> .
CI 2.2.1	In Item (a), <i>delete</i> “gas appliances” and <i>replace</i> with “appliances”.
CI 2.2.2	<i>Delete</i> third, fourth and fifth paragraphs and <i>replace</i> with the following: All air and contaminants shall be <i>purged</i> from the <i>pipng</i> after work on the <i>pipng</i> has been completed, and before any attempt to commission the gas installation or operate any connected <i>appliance</i> . <i>Pipng</i> shall be free of debris or other harmful material before that <i>pipng</i> is connected to an <i>appliance</i> . Immediate steps shall be taken to make safe any unsafe <i>gas installation</i> or <i>appliance</i> that may be discovered. The consumer or operator shall be notified.
CI 2.2.3	First paragraph, <i>delete</i> “gas appliances” and <i>replace</i> with “appliances”.
CI 2.8.1	First paragraph, first sentence, <i>delete</i> “gas appliance” and <i>replace</i> with “appliance”.
CI 2.8.4	<i>Delete</i> first paragraph and <i>replace</i> with the following: <i>Flues</i> shall be supported independently of the <i>appliance</i> unless the <i>appliance</i> has been designed to support the weight of the <i>flue</i> .
CI 2.8.6	1 In Item (b), <i>delete</i> “gas appliance” and <i>replace</i> with “appliance”. 2 In Item (d), <i>delete</i> “gas appliance” and <i>replace</i> with “appliance”.
CI 2.9.1	<i>Delete</i> “Gas appliances” and <i>replace</i> with “Appliances”.
CI 2.9.2	1 <i>Delete</i> Item (a) and <i>replace</i> with the following: (a) <i>Appliances</i> and equipment shall be installed in accordance with the manufacturer’s instructions.

Element	Instruction/New text
2	<i>Delete</i> Item (b) and <i>replace</i> with the following: (b) The space in which an <i>appliance</i> is installed shall be ventilated to the extent required to ensure the safe and effective operation.
3	<i>Delete</i> Item (c) and <i>replace</i> with the following: (c) <i>Appliances</i> shall be installed so that their operation is not affected by the operation of mechanical devices used to displace air, either within the same space or within a connected space.
4	<i>Delete</i> Item (d) and <i>replace</i> with the following: (d) All manufacturer's instructions accompanying the <i>appliance</i> shall be provided.
5	<i>Delete</i> Item (e) and <i>replace</i> with the following: (e) <i>Appliances</i> shall be installed so that adjacent combustible surfaces are protected from damage resulting from the thermal effects of their operation.
6	<i>Delete</i> Item (f) and <i>replace</i> with the following: (f) <i>Appliances</i> shall be connected to existing gas piping only if that <i>appliance</i> does not affect the safety or effectiveness of any parts of the gas installation.
7	<i>Delete</i> Item (g) and <i>replace</i> with the following: (g) Any safety device or system that permits an <i>appliance</i> to be operated remotely, automatically or unattended shall be of a type that ensures the <i>appliance</i> fails safe.
8	<i>Delete</i> Item (h) and <i>replace</i> with the following: (h) <i>Appliances</i> shall be supported or secured to prevent stressing of the gas piping unless the gas piping has been specifically designed and constructed to safely support the <i>appliance</i> .
9	<i>Delete</i> Item (k) and <i>replace</i> with the following: (k) <i>Appliances</i> shall include a system that prevents the uncontrolled release of gas.
10	<i>Delete</i> Note 2 and <i>replace</i> with the following: NOTE 2: Electrical supplies to <i>appliances</i> should have a readily accessible and identifiable means of isolation located adjacent to the <i>appliance</i> . Requirements for means of electrical isolation are specified in AS/NZS 3000.
CI 2.9.3	1 <i>Delete</i> clause heading and <i>replace</i> with the following: 2.9.3 Appliance location
	2 First paragraph, <i>delete</i> "Gas appliances" and <i>replace</i> with "Appliances".
	3 <i>Delete</i> second paragraph and <i>replace</i> with the following: An <i>appliance</i> shall be installed only in a location or on a structure capable of supporting the weight of the <i>appliance</i> .
CI 2.9.4	<i>Delete</i> clause heading and text and <i>replace</i> with the following: 2.9.4 Ventilation of the appliance space and air supply to appliances Ventilation shall ensure proper operation of the <i>appliance</i> and flueing system and maintain safe ambient conditions. The air supply to <i>appliances</i> shall provide for complete combustion of the gas. The air supply to <i>appliances</i> shall be free of any substance that could adversely affect the safe operation or durability of the <i>appliance</i> .
CI 2.9.5	1 <i>Delete</i> clause heading and <i>replace</i> with the following: 2.9.5 Appliance connection and isolation
	2 First paragraph, <i>delete</i> "gas appliances" and <i>replace</i> with "appliances".
CI 2.9.6	1 First paragraph, <i>delete</i> "gas appliance" and <i>replace</i> with "appliance".

Element	Instruction/New text
	2 In Note 1, delete “gas appliance commissioning” and replace with “appliance commissioning”.
CI 2.13.3	Delete clause heading and replace with the following: 2.13.3 Requirements for appliances
CI 2.13.3.1	Delete first paragraph and replace with the following: The <i>appliance</i> shall be checked to ensure that the <i>appliance</i> markings and instructions indicate that it is designed to operate on the gas to be supplied to the installation and at the range of pressures supplied.
CI 2.13.3.2	Last paragraph, delete “gas appliance” and replace with “appliance”.
CI 3.1.8	1 Third paragraph, after Item (iii), add the following: NOTE 4: Durable includes being physically strong enough and secured to be unaffected by weather and debris impact during travelling. It should also be constructed of a material that is UV stable to avoid premature deterioration.
	2 Third paragraph, after Item (iv) and before Figure 3.1.8(A), add the following: Figure 3.1.8(E) provides guidance on how distances should be measured.
	3 After Figure 3.1.8(D), add the following:

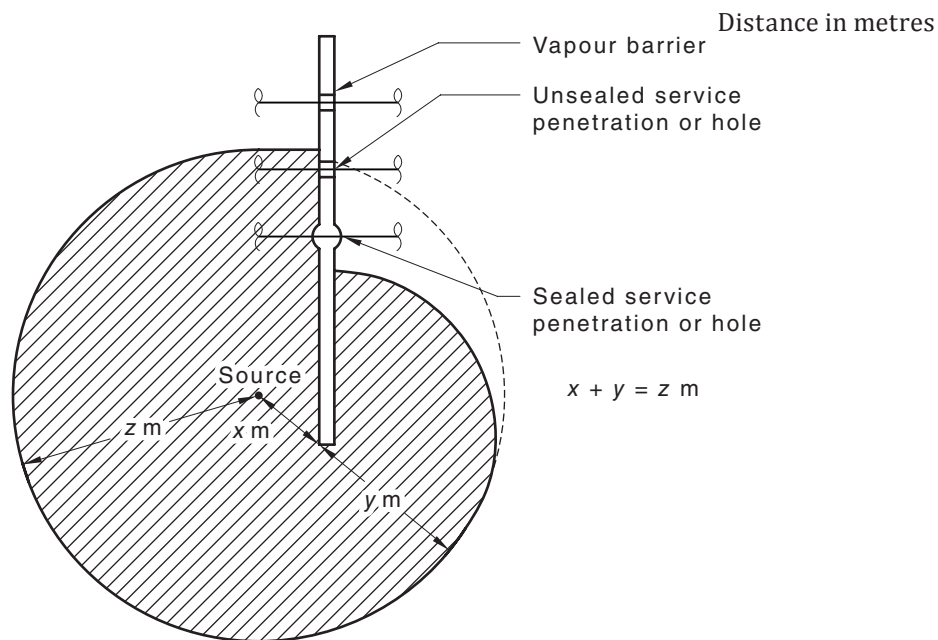


Figure 3.1.8(E) — Effect of a vapour barrier on the measurement of distances

Element	Instruction/New text
CI 4.2	Delete “gas appliances” and replace with “appliances”.
CI 5.1.4.1	Delete Item (b) and replace with the following: (b) A hose assembly certified to the relevant parts of the AS 1869 series, Class F.
CI 5.1.4.2	1 First paragraph, delete “a gas appliance” and replace with “an appliance”.
	2 Delete Note 1, and replace with the following: NOTE 1: Hoses certified to the relevant parts of the AS 1869 series (Class A, B, C or D), BS 3212 Type 2 and UL 21 are deemed to satisfy this requirement.

Tbl 5.1.4.3

Delete table and replace with the following:

Section of piping system	Materials	
	Pipe	Fitting
Between <i>cylinder</i> and regulator (high pressure)	Fully annealed copper tube to AS 1572 having an alloy designation C12200 to AS 2738 with a minimum wall thickness of 1.22 mm and size of DN 6	POL fitting or cylinder quick-connect device and tail piece as determined by the application in accordance with AS/NZS 1596
		Copper alloy flared compression fitting to AS 3688 or AS D26
		Copper or copper alloy capillary fitting to AS 3688 joined using open flame brazing conforming to EN 14324 with a minimum 1.8 % silver solder (AS/NZS 1167.1)
		Copper alloy thread fitting to AS 3688
	<i>Hose assembly</i> to the appropriate parts of the AS 1869 series, Class F with an excess flow valve immediately upstream of the <i>hose assembly</i> (see Note 1)	<i>POL fitting</i> or <i>cylinder quick-connect device</i> and tail piece as determined by the application in accordance with AS/NZS 1596
		Copper alloy threaded fitting to AS 3688
Stainless steel conforming to ASTM A269 grade 316 or 304 assembly. Not to be used on <i>boats</i> or where high levels of chloride (salt) can be expected. Assemblies using 316 stainless with a pitting resistance equivalent of 22 or greater may be used.	POL fitting or cylinder quick-connect device and tail piece as determined by the application in accordance with AS/NZS 1596	
	Stainless steel threaded fitting to AS 3688	
From outlet of <i>regulator</i> to <i>appliances</i> (low pressure)	Fully annealed copper tube to NZS 3501 or AS 1432 Type A or Type B. When used on <i>boats</i> , to include pipe manufacturer applied bonded coating to protect against corrosion.	Copper alloy flared compression fitting to AS 3688 or AS D26
		Copper or copper alloy capillary fitting to AS 3688 joined using open flame brazing conforming to EN 14324 with a minimum 1.8 % silver solder (AS/NZS 1167.1)
		Socket formed using a tube expanding tool
	<i>Hose assembly</i> to the appropriate parts of the AS 1869 series	Copper alloy threaded fitting to AS 3688
	Stainless steel to ASTM A269 Grade 316	Fittings to be compatible with pipe material and the <i>manufacturer's specifications</i>
NOTE 1: The excess flow valve may be an integral part of the <i>cylinder quick-connect device</i> or <i>POL fitting</i> .		
NOTE 2: The use of hard drawn copper from the outlet of the <i>cylinder regulator</i> to <i>appliances</i> is acceptable for houseboats used on inland waters.		
NOTE 3: In Australia, POL fittings are currently being phased out for cylinders less than 25 L water capacity and transitioning to <i>cylinder quick-connect devices</i> . Refer to AS/NZS 1596 for further details.		

Element **Instruction/New text**

CI 5.1.7 Delete Item (b) and replace with the following:

(b) inlet of an *appliance*, if no test point is incorporated in the *appliance*.

CI 5.2.7.3 Delete clause heading and replace with the following:

5.2.7.3 Appliance connection and isolation

- CI 5.2.12.2** First sentence, *delete* “a gas appliance” and *replace* with “an appliance”.
- CI 5.2.12.3** *Delete* “a gas appliance” and *replace* with “an appliance”.
- CI 6** *Delete* section heading and *replace* with the following:
Section 6 Means of conformance — Appliances
- CI 6.1** *Delete* clause heading and *replace* with the following:
6.1 Requirements for appliances
- CI 6.1.1** *Delete* “gas appliances” and *replace* with “appliances”.
- CI 6.1.2** *Delete* “gas appliances” and *replace* with “appliances”.
- CI 6.1.3** Note 3, *delete* “gas appliances” and *replace* with “appliances”.
- CI 6.1.4** *Delete* clause text and *replace* with the following:
Appliances shall only be installed in suitable locations.
- (a) *Appliances* designed for internal installation shall be —
- (i) installed internally; or
- NOTE 1: The inclusion of an annex or awning in the caravan design may be considered an internal space. Consumer instructions should include advice that use of the *appliance* without annex or awning may adversely affect the safety and operation of *appliances*.
- (ii) provided with adequate weather protection to ensure safe and correct operation of the *appliance*.
- NOTE 2: Refer to the *appliance manufacturer’s* instructions for any methods of weather protection.
- (b) *Appliances* designed for external installation shall only be installed in outdoor locations.
- NOTE 3: See Appendix K for representations of outdoor areas.
- CI 6.3.2** *Delete* clause text and *replace* with the following:
Stowing or covering an *appliance* can adversely affect the *appliance* and can create an elevated safety risk.
- Where an aftermarket lid or cover can enclose all or part of an *appliance*, or where an *appliance* is installed as part of an external slide-out kitchen that must be retracted and stowed for travel, then either —
- (a) the gas supply to the *appliance* shall include a means to ensure gas cannot flow when the *appliance* is in the stowed position; or
- (b) the gas supply to an *appliance* shall be disconnected to allow it to be stowed.
- Where an external slide-out cooking *appliance* includes a windshield or cover that encloses the *appliance*, then both —
- (i) the windshield or cover shall be constructed of a non-combustible material; and
- (ii) a durable/permanent and legible warning label with a minimum character height of 4 mm shall be affixed to both sides of the windshield or cover with the following wording:
- WARNING — CAUTION HOT SURFACE!**
- WARNING — DO NOT CLOSE UNTIL THIS APPLIANCE HAS COOLED.**
- NOTE 1: For the purpose of this clause the term “stowed” means the *appliance* is packed away and stored when travelling. For example, a slide out kitchen with a retractable gas cooktop.
- NOTE 2: For the purpose of this clause the term “aftermarket” means a lid or cover that is not *certified* as part of the *appliance* design.
- NOTE 3: For the purpose of this clause the term “cover” means any object (lid, cover, door, or similar) that encloses the *appliance* or part of the *appliance* and that adversely affects the safe operation of the *appliance*. For example, enclosing burners, combustion air intakes or *flue terminals*.

- CI 6.3.3** Delete clause heading and text and *replace* with the following:
6.3.3 Appliance support
Appliances shall be supported by, or secured to, a durable structure. The supports shall maintain the *appliance* in position and the means of securing the *appliance* to its support shall comprise materials and strength that are fit for purpose.
Appliances shall not be supported by gas pipework unless the pipework has been designed for that purpose. The *appliance* shall be supported and placed so that the weight of the *appliance* will not cause deformation of any part of the structure and wherever possible shall be located directly over or close to a load-bearing member.
- CI 6.3.4** Delete clause text and *replace* with the following:
Protection shall be provided if an *appliance* is located where physical damage to the *appliance* is likely to occur.
- CI 6.3.5** Delete “Gas appliances” and *replace* with “Appliances”.
- CI 6.3.6** Delete “Gas appliances” and *replace* with “Appliances”.
- CI 6.5** 1 First paragraph, delete “Gas appliances” and *replace* with “Appliances”.
2 Third paragraph, delete “gas appliance manufacturer” and *replace* with “appliance manufacturer”.
- CI 6.6** Delete “Gas appliances” and *replace* with “Appliances”.
- CI 6.7** Delete “gas appliances” and *replace* with “appliances”.
- CI 6.11.1** 1 Item (a), delete “gas appliance” and *replace* with “appliance”.
2 Delete Item (a) (ii) and *replace* with the following:
(ii) For existing installations, from the date of adoption of this Standard, where the *appliance* is being replaced, the overhead clearance from the highest part of the highest burner of the *appliance* to the *range hood* shall be not less than 600 mm unless the *appliance manufacturer’s instructions* specify a greater clearance. Where no dimension is specified in the *appliance instructions*, the overhead clearance from the highest part of the highest *burner* of the *appliance* to the *range hood* shall be no less than 600 mm and no less than 750 mm for an *exhaust fan*.
- 3 Item (a) (B), delete “gas appliance” and *replace* with “appliance”.
- CI 7.1** Delete clause text and *replace* with the following:
Where *appliances*, including *room-sealed appliances*, are installed in the *living space*, ventilation shall be provided to prevent excessive condensation, build-up of products of combustion, or other toxic conditions.
The minimum free area of ventilation shall be provided in accordance with Clause 7.3.
- CI 7.2** Delete first sentence and *replace* with the following:
In order to ensure flow of air for ventilation within the *living space*, high level and low level ventilation shall be provided directly from outside.
- CI 7.3.1** Delete clause text and *replace* with the following:
Where an *appliance* is installed, such that any part of the *appliance* is within a *caravan* or *boat*, the total permanent ventilation within the *living space* shall be the greater value of either —
(a) 4 000 mm²; or
(b) the value obtained from the formula below.

$$V = (610 \times U) + (650 \times P)$$
where
V = minimum free area, in mm²
U = input rating for all *appliances*, (other than room-sealed) in the space, including cookers, in MJ/h, refer to rating plate
P = number of sleeping spaces in the *caravan* or *boat*

In cases where the *appliances* are only of the room-sealed type, or where part of a *room-sealed appliance* is within the *caravan or boat*, the minimum value for permanent ventilation shall be 4 000 mm².

EXAMPLE: For a *caravan* designed to sleep 3 people, and having a gas cooker rated at 29 MJ/h (8 kW), the minimum free area for ventilation, V , is $(610 \times 29) + (650 \times 3) = 19\,640$ mm².

This formula applies to any *living space* within a *caravan or boat* where *appliances* are installed and includes an annex or covered deck that does not meet the definition of *outdoors* (see Appendix K for examples). The following also applies:

- (i) If the space is a normally divided part of the *caravan or boat*, or can be divided temporarily by means of doors, curtains, etc., the ventilation openings shall be provided —
 - (A) in the same space as any *appliances*; and
 - (B) where any part of the *appliance* is located (see Note 2).
- (ii) Where the upper or lower ventilation direct to outside is taken from within an enclosed annex or covered deck that does not meet the definition of *outdoors*, the same sized ventilation openings shall be installed on an outside wall of the enclosed annex to maintain the required permanent ventilation.

NOTE 1: A *room-sealed appliance* is considered to be within the *caravan or boat*, irrespective of whether the *appliance* is installed, serviced, or operated from outside.

NOTE 2: For the purposes of this clause, the following are not considered to be within the *caravan*:

- (a) An *appliance* in a compartment or locker outside of the *caravan* floorplan. See Figure 7.3.1.
- (b) An *appliance* stowed within the *caravan* floorplan that conforms to Clause 6.3.2.

NOTE 3: The calculated ventilation area is strictly the minimum for safety and should be exceeded where possible. It does not in any way replace or reduce the normal adjustable ventilation provided by window, or the like.

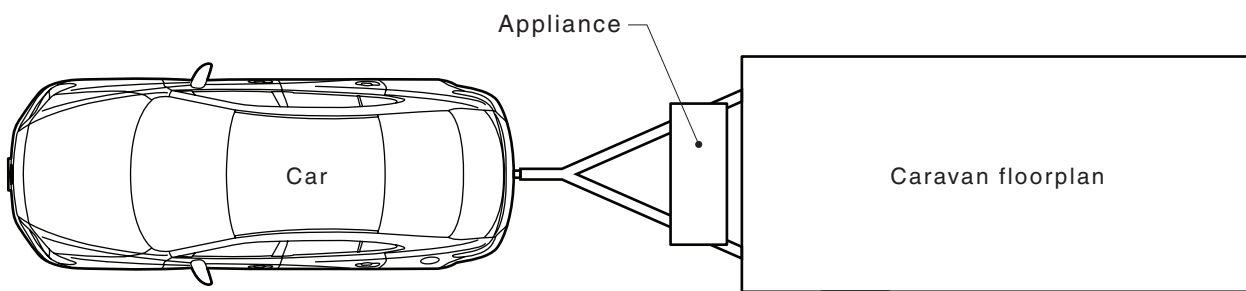
NOTE 4: A gas refrigerator installed in a sealed recess is considered a *room-sealed appliance* for the purpose of the above calculation.

NOTE 5: For *appliances* with input ratings given in other units the following conversion factors may be used:

- (a) 1 kW = 3.6 MJ/h.
- (b) 1 000 BTU/h = 1.055 MJ/h.

NOTE 6: The use of louvres and/or mesh screens will reduce the free area of an opening. Allowance should be made to ensure free areas are achieved. As a guide, where mesh is used, the area should be doubled.

NOTE 7: Refer to AS/NZS 5601.1 for ventilation requirements for mobile catering vehicles.



NOTE See Clause 3.3.2 for requirements for the storage of cylinders in compartments/lockers.

Figure 7.3.1 — Example of appliance located outside of the caravan floorplan

Element	Instruction/New text
CI 7.3.2	First sentence, <i>delete</i> “On pop-up” and <i>replace</i> with “For pop-up (or pop-top)”.
CI 7.4.1	<i>Delete</i> first sentence and <i>replace</i> with the following: The ventilation shall be provided directly from outside by at least two openings fitted at opposite ends or sides of the <i>living space</i> in accordance with Clauses 7.4.2 and 7.4.3.
CI 7.4.3	<i>Delete</i> clause text and <i>replace</i> with the following: Ventilation equal to a minimum of 50 % of the required ventilation area shall be provided as low as possible but not more than 150 mm from the <i>living space</i> floor. If the permanent ventilation is intended to be covered while travelling (i.e. to avoid ingress of water or dust) then both the following requirements apply: (a) The ventilation shall be designed to ensure the <i>living space</i> is ventilated in accordance with Clause 7.3.1 when <i>appliances</i> are in use. NOTE 1: Examples of how this can be achieved include covers that require removal to access the <i>living space</i> , or ventilation systems that are interlocked with the gas installation. (b) A <i>carbon monoxide detector</i> conforming to EN 50291-2 or UL 2034, capable of detecting low concentrations of carbon monoxide (CO) and having an audible alarm shall be installed. NOTE 2: Ventilation through the floor of a <i>caravan</i> may contravene road traffic authority requirements.
CL 8.1	Third sentence, <i>delete</i> “gas appliance” and <i>replace</i> with “appliance”.
CI 8.4.1	Note 2, <i>delete</i> “Refrigerator”, and <i>replace</i> with “Gas refrigeration”.
CI 9.2	<i>Delete</i> clause text and <i>replace</i> with the following: The gas pressure and flow requirements for all <i>appliances</i> , including any existing <i>appliances</i> , shall be established from the <i>appliance</i> data plates or by reference to the <i>appliance</i> manufacturer’s instructions.
CI 9.3.2.2	<i>Delete</i> first paragraph and <i>replace</i> with the following: After performing any work on consumer <i>pipng</i> , all air or inert <i>gas</i> shall be <i>purged</i> from the consumer <i>pipng</i> before any attempt is made to light an <i>appliance</i> . All branch lines shall be individually purged. <i>Purging</i> shall be completed before <i>appliance</i> testing and <i>commissioning</i> commences.
CI 9.4	<i>Delete</i> “gas appliance” and <i>replace</i> with “appliance”.
CI 9.7	<i>Delete</i> “gas appliance” and <i>replace</i> with “an appliance”.
CI 9.8	Item (a), <i>delete</i> “gas appliances” and <i>replace</i> with “appliances”.
CI 9.9.1	<i>Delete</i> “gas appliances” and <i>replace</i> with “appliances”.
CI 9.10.1	Note 1, <i>delete</i> “gas appliance commissioning” and <i>replace</i> with “appliance commissioning”.
CI 10.3.1	1 First paragraph, first sentence, <i>delete</i> “gas appliance” and <i>replace</i> with “appliance”. 2 <i>Delete</i> Figure 10.3.1 title and <i>replace</i> with the following: Figure 10.3.1 — General appliance label
CI C.4	Item (b), <i>delete</i> “gas appliances” and <i>replace</i> with “appliances”.
CI C.5.2	<i>Delete</i> “gas appliance” and <i>replace</i> with “appliance”.
CI C.5.4	First sentence, <i>delete</i> “gas appliance” and <i>replace</i> with “appliance”.
CI C.6.4	Second sentence, <i>delete</i> “Type C” and <i>replace</i> with “Type B”.
CI E.1.1	Item (b), <i>delete</i> “gas appliances” and <i>replace</i> with “appliances”.
CI E.1.2	Item (b), <i>delete</i> “gas appliances” and <i>replace</i> with “appliances”.
CI E.2.1	Item (b), <i>delete</i> “gas appliances” and <i>replace</i> with “appliances”.

- CI E.3.2.1** Delete Item (b) and *replace* with the following:
(b) Ensure all *appliance* isolation valve(s) are open, and *appliance* control valve(s) turned off. Any *appliance* with an interlock shall be in the open position.
- CI E.3.3.1** Item (c), *delete* “gas appliance” and *replace* with “appliance”.
- CI H.1**
- 1 First paragraph, first sentence, *delete* “gas appliances” and *replace* with “appliances”.
 - 2 *Delete* Item (a) and *replace* with the following:
 - (a) Remove or loosen test screw, connect a manometer and light the *appliance*. (Electronic *appliances* require a digital manometer, as water gauge manometers are not accurate or sensitive enough).
 - 3 Item (c), *delete* “gas appliances” and *replace* with “appliances”.
 - 4 Item (d), *delete* “gas appliances” and *replace* with “appliances”.
 - 5 Item (e), *delete* “gas appliance” and *replace* with “appliance”.
 - 6 Item (g), *delete* “gas appliance” and *replace* with “appliance”.
- CI H.2**
- 1 Item (a), *delete* “gas appliance” and *replace* with “appliance”.
 - 2 Item (c), *delete* “gas appliance” and *replace* with “appliance”.
- CI H.3** Item (c), *delete* “gas appliance” and *replace* with “appliance”.
- CI L.3.3.4** Item (b), *delete* “gas appliance” and *replace* with “appliance”.
- Biblio** After “AS/NZS 5601.1, *Gas installations, Part 1: General installations*”, add the following:
AS/NZS IEC 60079.10.1:2022 Sup 1: 2022, *Explosive Atmospheres — Classification of areas — Explosive gas atmospheres — Commentary (Supplement 1 to AS/NZS IEC 60079.10.1:2022)*