

STANDARDS AUSTRALIA

Amendment No. 3
to
AS 2658—2008
LP Gas—Portable and mobile appliances

REVISED TEXT

The 2008 edition of AS 2658 is amended as follows; the amendment(s) should be inserted in the appropriate place(s).

SUMMARY: This Amendment applies to Clauses 1.1, 1.4.0, 1.4.10A, 1.4.11, , 2.1, 2.4.1, 2.4.3, 2.9.2, 2.11.2, 2.14, 2.14.2, 2.14.4, 2.14.5, 2.16.1.2, 2.16.3, 3.1.2, 3.1.3, 3.1.4, 3.1.6, 3.5, 3.7, 3.7.3.1, 3.7.7, 3.7.9, 3.7.10, 3.7.10(b), 3.7.10(c), 4.1, 4.4, 4.9, 4.9.3, 4.9.4, 4.9.5, 4.9.6, 4.10, 5.1, 7.2.2, 7.3, 7.4, 7.6, 7.7, 8.2, 8.11.2, 8.14.4, 9.1.1.3, 9.1.2, and, 9.2.5, Table 9.2B and Appendices A, B, E and F.

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Clause 1.1

- 1 Item (a) *delete* the introduction to the list and *replace* with the following:
 - (a) Supplied from a separate gas container with vaporized LP Gas to the inlet at the vapour pressure and designed to be used—
- 2 *Delete* the third paragraph [after Item 1.1(v)] and *replace* with the following:

This Standard does not cover refrigerators or appliances that—

 - (A) incorporate a regulator/hose assembly where the hose is subject to regulated pressure, with the exception of ring burners;
 - (B) are intended for connection to the mains electricity supply;
 - (C) incorporate a fixed LP gas supply container which may or may not be refillable;
 - (D) are intended for connection to a fixed piping system in a building, caravan or boat; or
 - (E) incorporate an enclosed cartridge and are intended for commercial use.
- 3 *Delete* Notes 3 to 7 and *replace* (in numerical order of Standard numbers), as follows:
 - 3 Requirements for cooking appliances designed to operate with regulated inlet pressure are specified in AS 4551.
 - 4 Requirements for water heaters designed to operate with regulated inlet pressure are specified in AS 4552.
 - 5 Requirements for space heaters designed to operate with regulated inlet pressure are specified in AS 4553.
 - 6 Requirements for gas refrigerators are specified in AS 4555/AG 105.
 - 7 Requirements for barbecues designed to operate with regulated inlet pressure are specified in AS 4557.

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Clause 1.4.0 (new)

Insert new Clause 1.4.0 before Clause 1.4.1 as follows:

1.4.0 Ambient temperature

The temperature of the air surrounding the appliance, as measured by a dry bulb thermometer or equivalent.

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Clause 1.4.2.4 (new)

Insert new Clause 1.4.2.4 after Clause 1.4.2.3 as follows:

1.4.2.4 Ring burner

A burner consisting of one or more concentric rings or ports with an integral pan support and gas control(s).

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Clause 1.4.10A (new)

Add the following new Clause after Clause 1.4.10 as follows:

1.4.10A Enclosed cartridge

A gas cartridge that is—

- (a) directly connected to the appliance; and
 - (b) contained within the appliance.
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Clause 1.4.11

Delete text of Clause 1.4.11 and *replace* with the following:

A flame condition that results in spitting, sputtering, lifting or floating flames, lighting back, extinction, yellow tipping causing carbon deposition, carbon deposition, objectionable odour or undue noise.

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Clause 2.1

Delete last paragraph and *replace* with the following:

Where the overpressure protection test is required, this test shall be carried out before any other testing.

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Clause 2.4.1

1 *Delete* text of Item (d) and *replace* with the following:

- (d) A cylinder valve shall not be used as a means of support where the appliance has a maximum horizontal dimension exceeding 300 mm.

2 *Add* new Item (e) as follows:

- (e) The stability of an appliance designed to rest on a table or on the ground shall allow safe use on level ground. In addition, the appliance shall not fall over when it is placed on a slope of 15° and any gas container shall not be dislodged. Any parts that are attached to a gas container to achieve stability shall be omitted for this test.
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Clause 2.4.3

- 1 Item (a), *delete* the words 'Gas cylinder/canisters' and *replace* with 'Any gas cylinder/cartridge'.
 - 2 Item (b), *delete* the words 'cylinder/canister' and *replace* with 'cylinder/cartridge'.
 - 3 Item (b), *delete* reference 'AS 2278'.
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Clause 2.9.2

Delete text of Clause 2.9.2 and *replace* with the following:

Injectors shall have flats and be sufficiently robust to enable them to be tightened to their correct position without suffering damage, if they are intended to be removed with a spanner.

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Clause 2.11.2

- 1 *Delete* introduction to the list and *replace* with the following:
For each individual burner, the determined gas consumption shall be within the following limits:
 - 2 *Add* new Item (d) as follows:
(d) 5% of nominal gas consumption for burners with input 30 MJ/h or above.
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Clause 2.14

Delete Clause heading and *replace* with the following:

2.14 BURNER OPERATION

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Clause 2.14.2

Delete paragraphs 3 and 4.

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Clause 2.14.4

Delete the Clause.

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Clause 2.14.5

After the first paragraph, *add* a new paragraph as follows:

The appliance is operated with the appropriate test gas at the normal inlet pressure shown in Table 9.2(a) or Clause 9.2.2.

Clause 2.16.1.2

- 1 *Delete* the text of Item (e)(i) and *replace* with the following:
 - (i) For all types of appliances:

‘ONLY USE IN WELL-VENTILATED AREAS.’

‘CARBON MONOXIDE HAZARD—USING THIS APPLIANCE IN AN ENCLOSED SPACE MAY CAUSE DEATH. DO NOT USE IN CARAVANS, TENTS, MARINE CRAFT, CARS, MOBILE HOMES OR SIMILAR LOCATIONS.’
- 2 *Delete* introduction of Item (e)(ii) and *replace* with the following:

Additionally for water heaters, heating appliances, barbecues and ring burners:

Clause 2.16.3

- 1 *Delete* introduction to the list and *replace* with the following:

The following information shall be provided with the appliance:
- 2 *Delete* text of Item (j)(i) and *replace* with the following:
 - (i) For all types of appliances:

‘ONLY USE IN WELL-VENTILATED AREAS.’

‘CARBON MONOXIDE HAZARD—USING THIS APPLIANCE IN AN ENCLOSED SPACE MAY CAUSE DEATH. DO NOT USE IN CARAVANS, TENTS, MARINE CRAFT, CARS, MOBILE HOMES OR SIMILAR LOCATIONS.’
- 3 Item (j)(ii), *delete* introduction and *replace* with the following:

Additionally for water heaters, heating appliances, barbecues and ring burners:
- 4 After Item (j), *add* the following new text:

All information from Items (a) to (j) shall be permanently marked on the appliance, unless it is impractical to do so, in which case, as a minimum—

 - (i) the information of Items (a) and (c) shall be permanently marked on the appliance;
 - (ii) the information of Items (b), (d), (f) and (g) shall be permanently marked on a swing tag attached to the appliance;
 - (iii) the information of Items (e), (i) and (j) shall be included on the packaging and the instructions; and
 - (iv) the information of Item (h) shall be included in the instructions.
- 5 *Delete* text of Item (k) and *replace* with the following:

For ring burners in addition to the markings required of Items (j)(ii), the following information shall be provided on the swing tag:

OUTDOOR USE ONLY

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Clause 3.1.2

Delete Clause text and *replace* with the following:

Hotplate burners shall comply with the requirements of Clause 2.14.2 with and without a 200 mm diameter standard test vessel placed centrally over the burner (see Clause 1.4.49).

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Clause 3.1.3

Delete Clause (heading and text) and *replace* with the following:

3.1.3 Flame characteristics

The flames of hotplates burners shall comply with the requirements of Clause 2.14.7 with and without a 200 mm diameter standard test vessel placed centrally over the burner (see Clause 1.4.49).

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Clause 3.1.4

Delete text and *replace* with the following:

Burners shall not be extinguished when the cooker is subjected to a simulated spill over, unless this is caused by the action of a flame supervision device. Single burner cookers that use non-enclosed gas cartridges with a capacity less than 500 g are exempt from this requirement.

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Clause 3.1.5

Delete text and *replace* with the following:

Any pan support shall provide stable support for a 120 mm contact vessel located both centrally and up to 25 mm off centre. Special purpose burners (e.g. wok or fish burners) are exempt from this requirement.

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Clause 3.1.6 (new)

Add the following new Clause:

3.1.6 Pan supports

Positioning of pan supports shall be positive and shall prevent any re-arrangement or displacement from the design position (e.g. inversion) unless it can be demonstrated that the appliance complies with Clauses 3.4 and 3.5 in every reasonable alternative arrangement.

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Clause 3.4

Replace Clause with the following:

3.4 COMBUSTION

Hotplate burners shall comply with the requirements of Clause 2.15 while using a standard test vessel not less than 200 mm in diameter.

Where the maximum vessel size recommended by the manufacturer is greater than 200 mm in diameter, the smallest standard test vessel with diameter not less than the recommended maximum shall be used.
