

STANDARDS AUSTRALIA

Amendment No. 1
to
AS 4557—2004
Domestic outdoor gas barbecues

REVISED TEXT

The 2004 edition of AS 4557 is amended as follows; the amendment(s) should be inserted in the appropriate place(s).

SUMMARY: This Amendment applies to Clauses 1.2.18A, 1.2.21, Table 1.1, Clauses 1.2.68A, 2.1.11(b), 2.1.14, 2.1.15, 2.1.23, 2.2.3(f), 2.4.1.1, 2.4.1.2, 2.4.3, 2.4.5, 2.8.5, 2.9.5(q), 2.9.5(r), 2.10.1(p), 3.1.2, 3.4.1, 3.4.2, 5.1.2.1, 5.1.3.1, 5.1.3.2, 5.3.2, Appendix A, Figures A1, A1A, A4, Appendix B, Paragraphs B1, B2, B9, B9.6, B9.7, B24, B24.3, B24.4, B24.5, B24.6, B24.7, B29.4 and Appendix D.

Published on 1 May 2009.

Clause 1.2.18A

Insert after Clause 1.2.18, the following new Clause:

Cylinder compartment

A compartment beneath a barbecue or side burner, enclosed on at least three sides, that is intended to contain an LPG cylinder or cylinders either for storage or for direct connection to an inlet.

Clause 1.2.21

Delete the text and *replace* with the following:

The total time for which the fuel valve is energized, beginning with the first energization of the valve and ending when the flame supervision system is first required to supervise the flame.

Table 1.1

Delete Table 1.1 and replace with the following:

TABLE 1.1
STANDARD TEST VESSEL DIMENSIONS

Burner	Vessel		
Gas consumption MJ/h	Diameter mm	Height mm	Water content kg
0–9	195	140	2.3
Over 9 and up to 12	230	155	4.5
Over 12 and up to 17	270	160	6.0
Over 17 and up to 24	315	190	10
Over 24 and up to 30	395	440	40

NOTE: For fish burners use special purpose pots as recommended in the manufacturer's operating instructions.

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Clause 1.2.68A

Insert after Clause 1.2.68, the following new Clause:

1.2.68A Storage compartment

A compartment beneath a barbecue or side burner, enclosed on at least three sides, that is capable of containing an LPG cylinder but which is not intended by the manufacturer to contain an LPG cylinder.

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Clause 2.1.11(b)

Delete item (b) and *replace* with the following:

- (b) Where a separate pressure test point is fitted, it shall contain a limiting orifice not exceeding 1.0 mm diameter or equivalent restriction and be designed to accept 6 mm bore flexible tubing.
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Clauses 2.1.14 and 2.1.15

Delete Clause 2.1.14 and 2.1.15 and *replace* with the following:

2.1.14 LPG cylinder mounting means

LPG barbecues shall be provided with—

- (a) integral mounting means for a cylinder externally on the appliance; or
(b) a cylinder compartment.

2.1.14A Separation of cylinder compartments

A cylinder compartment shall be permanently separated from the combustion area.

2.1.15 Ventilation of cylinder compartment**2.1.15.1 Cylinder compartments for cylinders exceeding 1.25 kg gas capacity**

Ventilation openings shall—

- (a) ventilate to the outside of the appliance;
(b) be provided at high and low level;
(c) have a total free area at high level of not less than 200 cm²; and
(d) have a total free area at low level of not less than 200 cm².

Alternatively, ventilation openings shall consist of perforations with a total free area of not less than 25% of the sidewall area, ventilating to the outside of the appliance.

The bottom of the low level (set of) opening(s) shall be at the cylinder compartment base with the upper edge no more than 125 mm above the base.

The ventilation openings shall be placed so that they cannot be obstructed by the cylinder(s).

2.1.15.2 Cylinder compartments for cylinders not exceeding 1.25 kg gas capacity

Ventilation openings shall be provided at high and low level and shall have a total free area of not less than 10% of the sidewall area.

2.1.15.3 Accessibility of cylinder valve

The cylinder valve shall be readily accessible for manual operation. A door or removable cover in the cylinder compartment to gain access to the cylinder valve is acceptable provided it is non-locking and can be opened or removed without the use of tools.

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Clause 2.1.23

- (a) *Delete* 'where there is more than one side burner. At least one pan support shall also give stable support to a 100 mm diameter utensil similarly located'.
 - (b) *Delete* 'and the use of a detachable mini-trivet is acceptable for the 100 mm contact diameter utensil stability'.
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Clause 2.2.3(f)

Delete the second sentence.

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Clause 2.4.1.1

Delete Note 2.

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Clause 2.4.1.2

Delete Clause 2.4.1.2.

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Clause 2.4.3

Delete the text, and *replace* with the following:

Where the appliance is intended to be permanently connected to a reticulated supply of gas, the appliance inlet connection shall have a thread in accordance with AS ISO 7.1.

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Clause 2.4.5

Delete the text, and *replace* with the following:

Where threads are used for connection to the appliance, all union mating surfaces and threads shall be compatible, and—

- (a) the connections shall be 3/8" SAE Flare; or
 - (b) the threads shall comply with AS ISO 7.1 or AS 1722.2.
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Clause 2.8.5

Delete the text, and *replace* with the following:

Any ports and injectors of main and pilot burners that may be exposed in their normal operation to falling particles, grease drippings, accidental spill or boilover shall be protected against blockage.

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Clause 2.9.5(q)

Delete the text, and *replace* with the following:

- (q) For appliances intended to be connected to a cylinder except for appliances where the hose assembly is connected with a quick connect device, the warning:

 'For storage and cylinder exchange, disconnect the cylinder only. Do not disconnect hose from the appliance.'
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Clause 2.9.5(r)

Add the following new item (r):

- (r) For appliances with storage compartments, the warning label shown in Figure A1A, in a position clearly visible to the consumer when looking inside the compartment.
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