

AS/NZS 5263.1.11:2020
Gas appliances
Part 1.11: Small gas engine driven appliances
Amendment No. 1
Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 16 February 2024

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Summary

This Amendment applies to the following elements:

- Clauses 2.14.2, 2.15.2.1, 3.6.1.103, 4.101, 5.12, ZB.101.3, ZB.101.4, ZB.101.5, ZB.101.6
- Table 4.101

Amendment Details

AS/NZS 5263.1.11:2020 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
CI 2.14.2	<i>Delete</i> Item (ff) and <i>replace</i> with the following: (ff) Statement indicating that a low gas supply pressure cut off device is fitted and its nominated set point.
CI 2.15.2.1	1 After the first paragraph, <i>add</i> the following item and <i>renumber</i> the existing items as (bb) to (nn): (aa) Where the appliance is supplied in kit form — (i) step by step instructions for the assembly of the relevant components, with sufficient text and/or illustrations to ensure correct assembly; (ii) a list of parts, including nuts, bolts, screws, washers, etc. with illustrated identification means; and (iii) a list of tools necessary for the assembly. 2 <i>Delete</i> the existing Item (ee) and <i>replace</i> with the following renumbered item: (ff) For indoor room sealed and outdoor appliances, acceptable exhaust terminal locations in accordance with Appendix AA. 3 <i>Delete</i> the existing Item (mm) and <i>replace</i> with the following renumbered item: (nn) Statement indicating that a low gas supply pressure cut off device is fitted and its nominated set point.
CI 3.6.1.103	<i>Delete</i> clause text and <i>replace</i> with the following:

Element Instruction/New text

When tested in accordance with Test Method ZA.102, the supply pressure to the appliance is turned down progressively to the point where the low gas supply pressure cut-off system activates. At each stage of pressure reduction, the appliance shall operate or shutdown without hazard to users or the surroundings of the appliance.

CI 4.101 *Delete* clause text and *replace* with the following:

When the normal starting procedure is followed and the appliance is tested in accordance with Test Method ZB.101, the engine shall start running within 15 s at maximum and minimum limiting conditions specified in Table 4.101 when the appliance is hot and cold. The time shall be measured from the first flow of gas.

In the case of mains starting systems, a voltage equivalent to 85 % and 110 % of the rated voltage shall be applied to the appliance.

In the case of battery operated starting systems a voltage equivalent to 90 % of the nominal voltage for each battery shall be applied.

Five successive individual starting tests shall be applied. Satisfactory starting shall occur in all 5 tests.

NOTE: For example, if an appliance is rated for a 12 V battery supply, the test is to be conducted at 10.8 V.

- Tbl 4.101**
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|---|--|
| 1 | Column 2 and Column 4, row "Natural gas (Australia)", <i>delete</i> "N" and <i>replace</i> with "N, Nb" in both instances. |
| 2 | Column 2 and Column 4, row "Natural gas (NZ)", <i>delete</i> "N" and <i>replace</i> with "N, Nb" in both instances. |

CI 5.12 After Clause 5.11.103, *add* the following:**5.12 Thermal efficiency**

Not applicable.

CI ZB.101.3 After Item (e), *add* the following:

- (f) Suitable voltage measuring device.
- (g) For mains operated engine starting systems, means to supply a voltage equivalent to 85 % and 110 % of the rated voltage.
- (h) For battery operated engine starting systems, means to supply a voltage equivalent to 90 % of the nominal voltage of the battery.

CI ZB.101.4 *Delete* clause text and *replace* with the following:

Test gas as specified in Table 4.101 at pressures to satisfy the test conditions shall be used.

CI ZB.101.5 *Delete* Items (d) and (e) and *replace* with the following:

- (d) For appliances with engine starting systems that derive power from a mains electricity supply, voltage equivalent to both 85 % and 110 % of the rated voltage is applied to the appliance.
- (e) For battery operated engine starting systems, connect a battery at 90 % of the nominal voltage to the supply contacts of the battery holder or disconnect the battery and apply a power source equivalent to 90 % of the nominal voltage.

CI ZB.101.6 *Delete* Items (c), (d) and (e) and *replace* with the following:

- (c) Turn on gas control valve.
- (d) Operate the engine starting system in accordance with the manufacturer's instructions and start the timing device when the gas control valve of the engine is opened.
- (e) Turn off the engine, repeat Steps (c) and (d) 5 times, allowing 1 min between tests.