

AS/NZS 5263.1.10:2019
Gas appliances
Part 1.10: Gas direct fired air heaters
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 1.4, 5.103, 5.104, ZC.103 and ZC.104
- Section 4
- Appendices ZB and ZC

Amendment Details

AS/NZS 5263.1.10:2019 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
Cl 1.4	<ol style="list-style-type: none"> After “Appendix ZB — Limit condition test methods”, <i>delete</i> “Not applicable” and <i>replace</i> with the following: ZB.101 Flame characteristics ZB.102 Burner ignition In “Appendix ZC” listing, <i>delete</i> the following: ZC.104 Burner stability when changing settings test ZC.103 Flame characteristics
Sec 4	<p><i>Delete</i> “Not applicable” and <i>replace</i> with the following:</p> <p>4.1 General</p> <p>Appliances shall conform to the requirements of this section when supplied with the test gases and under the limiting conditions specified in each clause.</p> <p>Where there is a possibility that user controls may affect the ignition or combustion performance of the appliance, testing to confirm conformance to the requirements of this section shall be carried out with the controls set to the least favourable setting.</p> <p>4.2 CO/CO₂ ratio limits for any independent surface combustion burner — Underload</p> <p>Not applicable.</p> <p>4.3 CO/CO₂ ratio limits for any independent burner — Overload</p> <p>Not applicable.</p> <p>4.4 CO/CO₂ ratio limits for permanent pilots — Overload</p>

Element	Instruction/New text
	Not applicable.
	4.5 Flame characteristics at maximum and minimum limiting conditions
	Not applicable.
	4.6 Burner ignition at maximum and minimum limiting conditions
	Not applicable.
	4.7 Delayed ignition at maximum and minimum limiting conditions
	Not applicable.
	4.8 Reignition at turndown under draught conditions
	Not applicable.
	4.9 Pilot ignition and stability ignition at maximum and minimum limiting conditions
	Not applicable.
	4.10 Burner stability when changing setting
	When tested in accordance with Test Method ZB9, burners that have a turndown or bypass setting shall not light back or be extinguished when operated in the normal manner from full to turndown setting or from turndown to full setting, on the gases specified in Table 4.10 at normal test gas pressure.

Table 4.10 — Limiting conditions — Burner stability

Appliance gas type	Test gas
Natural gas (Australia)	N, Nb
Natural gas (NZ)	N, Nb
Propane	X
Butane	Y
Universal LP Gas	Y
NZLPG	Y

4.11 Unburnt gas release from burner system
Not applicable.
4.12 Blocked flueway terminal
Not applicable.
4.13 Case pressure test
Not applicable.
4.14 Effect of opening and closing doors at turndown condition
Not applicable.
4.15 Sooting — Luminous effect appliances
Not applicable.
4.16 Burner interference at ignition or during combustion
Not applicable.
4.101 Burner ignition
When tested in accordance with Test Method ZB.101, all burners, other than pilots, shall ignite completely and reliably without burning outside of the combustion chamber when the appliance is either hot or at ambient condition, with the appliance operating on the test gases specified in Table 4.101 at normal test gas pressure.
In the case of mains ignition systems, a voltage equivalent to both 85 % and 110 % of the rated voltage shall be applied to the appliance.