

Australian/New Zealand Standard™

Gas appliances

Part 0: General requirements



AS/NZS 5263.0:2017

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee AG-001, Gas Appliances. It was approved on behalf of the Council of Standards Australia on 3 March 2017 and by the New Zealand Standards Approval Board on 7 March 2017.

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The following are represented on Committee AG-001:

Association of Accredited Certification Bodies
Australian Gas Association
Consumer Electronics Suppliers Association
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Energy Networks Association
Gas Appliance Manufacturers Association of Australia
Gas Association of New Zealand
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee AG-001, Gas Appliances to supersede AS 5263.0—2013.

The objective of the AS/NZS 5263 series of Standards is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with uniform minimum requirements for the safety, performance and use of gas appliances.

This Standard should not be regarded as a design specification or as an instruction manual.

Consideration has been given to—

- (a) continuity of satisfactory operation;
- (b) the prevention of fire hazards, and explosions;
- (c) the prevention of injury to persons or property;
- (d) gas rules and regulations now in force; and
- (e) relevant International Standards.

The AS/NZS 5263 series is intended to supersede the following gas appliance Standards:

AS 4551—2008	<i>Domestic gas cooking appliances</i> (superseded by AS/NZS 5263.1.1:2016)
AS 4552—2008	<i>Gas fired water heaters for hot water supply and/or central heating</i> (superseded by AS/NZS 5263.1.2:2016)
AS 4553—2008	<i>Gas space heating appliances</i> (superseded by AS/NZS 5263.1.3:2016)
AS 4557—2004	<i>Domestic outdoor gas barbecues</i> (superseded by AS/NZS 5263.1.7:2016)
AS 2658—2008	<i>LP Gas—Portable and mobile appliances</i>
AS 4554—2005	<i>Gas laundry dryers</i>
AS 4555/ AG 105—2002	<i>Domestic gas refrigerators</i>
AS 4556—2011	<i>Indirect gas-fired ducted air heaters</i>
AS 4558—2011	<i>Decorative gas log and other fuel effect appliances</i>
AS 4560—2004	<i>Gas pool heaters</i>
AS 4563—2004	<i>Commercial catering gas equipment</i>
AS 4565—2004	<i>Radiant gas heaters for outdoor and non-residential indoor use</i>
AS 4643—2007	<i>Overhead radiant tube gas heaters</i>
AS 5262—2011	<i>LP Gas mobile industrial direct fired air heaters</i>

AS/NZS 5263.0 contains minimum requirements for safety, performance and use, common to many gas appliances.

An appliance specific part (Part 1.X) of AS/NZS 5263 series, may supplement or modify the corresponding clauses of Part 0. The numbering of clauses in Part 1.X is consistent with the numbering in Part 0 for related requirements.

Thus, for example, the combination of AS/NZS 5263.1.1 and AS/NZS 5263.0 specifies the requirements for domestic gas cooking appliances and supersedes AS 4551—2008.

AS/NZS 5601 series of Standards provides essential requirements, performance based requirements and means of compliance for gas installations. Any reference to 'AS/NZS 5601' in the AS/NZS 5263 series of Standards should be considered as reference to the appropriate part of the AS/NZS 5601 series of Standards (i.e. AS/NZS 5601.1 or AS/NZS 5601.2).

The terms 'normative' and 'informative' have been used in this Standard to define the application of the appendix to which they apply. A 'normative' appendix is an integral part of a Standard, whereas an 'informative' appendix is only for information and guidance.

Statements expressed in mandatory terms in notes and footnotes to tables and figures are deemed to be requirements of this Standard.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE AND APPLICATION.....	6
1.2 REFERENCED DOCUMENTS.....	7
1.3 DEFINITIONS.....	8
1.4 TEST METHODS.....	22
SECTION 2 DESIGN AND CONSTRUCTION	
2.1 SCOPE.....	25
2.2 GENERAL DESIGN REQUIREMENTS.....	25
2.3 MATERIALS.....	26
2.4 DESIGN FOR ASSEMBLY AND INSTALLATION.....	27
2.5 DESIGN FOR MAINTENANCE.....	28
2.6 DESIGN FOR OPERATION.....	30
2.7 CONTROLS AND SAFETY DEVICES.....	31
2.8 GAS TRAIN.....	32
2.9 COMBUSTION AIR AND FLUE SYSTEMS.....	34
2.10 FAN ASSISTED COMBUSTION SYSTEMS.....	37
2.11 BURNERS AND IGNITION SYSTEMS.....	37
2.12 COMPONENTS.....	38
2.13 CYLINDERS AND CYLINDER COMPARTMENTS.....	39
2.14 MARKINGS.....	40
2.15 INSTRUCTIONS.....	43
SECTION 3 PRELIMINARY TESTS—LINE GASES	
3.1 GENERAL.....	47
3.2 PREPARATION FOR TESTING.....	49
3.3 GAS LEAKAGE.....	49
3.4 GAS CONSUMPTION.....	50
3.5 GAS PRESSURE REGULATORS.....	50
3.6 IGNITION AND SAFETY SHUT OFF SYSTEMS.....	50
3.7 IGNITION OF DRAPED FABRIC.....	54
SECTION 4 TESTS UNDER LIMITING CONDITIONS	
4.1 GENERAL.....	55
4.2 CO/CO ₂ RATIO LIMITS FOR ANY INDEPENDENT SURFACE COMBUSTION BURNER—UNDERLOAD.....	55
4.3 CO/CO ₂ RATIO LIMITS FOR ANY INDEPENDENT BURNER—OVERLOAD.....	56
4.4 CO/CO ₂ RATIO LIMITS FOR PERMANENT PILOTS—OVERLOAD.....	56
4.5 FLAME CHARACTERISTICS AT MAXIMUM AND MINIMUM LIMITING CONDITIONS.....	57
4.6 BURNER IGNITION AT MAXIMUM AND MINIMUM LIMITING CONDITIONS.....	57
4.7 DELAYED IGNITION AT MAXIMUM AND MINIMUM LIMITING CONDITIONS.....	58
4.8 REIGNITION AT TURNDOWN UNDER DRAUGHT CONDITIONS.....	59
4.9 PILOT IGNITION AND STABILITY AT MAXIMUM AND MINIMUM LIMITING CONDITIONS.....	59
4.10 BURNER STABILITY WHEN CHANGING SETTING.....	60
4.11 UNBURNT GAS RELEASE FROM BURNER SYSTEM.....	60

	<i>Page</i>
4.12	BLOCKED FLUEWAY TERMINAL..... 61
4.13	CASE PRESSURE TEST 61
4.14	EFFECT OF OPENING AND CLOSING DOORS AT TURNDOWN CONDITION 62
4.15	SOOTING—LUMINOUS EFFECT APPLIANCES 62
4.16	BURNER INTERFERENCE AT IGNITION OR DURING COMBUSTION 63
 SECTION 5 PERFORMANCE SPECIFICATIONS	
5.1	COMBUSTION AIR SUPPLY 64
5.2	FLUE OPERATION 64
5.3	CONDENSATE 66
5.4	TEMPERATURE HAZARDS 66
5.5	HEAT RESISTANCE OF APPLIANCE 68
5.6	DURABILITY 70
5.7	ELECTRICAL SUPPLY VARIATION OR FAILURE 71
5.8	APPLIANCE OPERATION UNDER LINTING CONDITIONS 71
5.9	RAIN TEST FOR OUTDOOR AND ROOM SEALED APPLIANCES 71
5.10	OPERATION UNDER WINDY CONDITIONS 72
5.11	STRENGTH AND STABILITY 73
5.12	THERMAL EFFICIENCY (Australia only) 74
5.13	VITIATION AND EMISSIONS 74
 APPENDICES	
A	FIGURES A1 TO A19 76
B	METER VOLUME CORRECTION FACTORS 93
C	DIAGRAMMATIC REPRESENTATION OF AN OPERATING SYSTEM FOR AUTOMATIC BURNERS 95
D	FLUE GAS SAMPLING AND TEMPERATURE MEASUREMENT 96
E	FLUE SAMPLING METHOD FOR SMALL FLUES 102
F	PRESSURE AND GAS VOLUME TEST EQUIPMENT 105
G	DIAGRAMMATICAL REPRESENTATIONS OF OUTDOOR AREAS 106
H	GUIDELINES ON PROVIDING WRITTEN APPLIANCE SPECIFICATIONS 109
ZA	PRELIMINARY TEST METHODS 112
ZB	LIMITING CONDITIONS TEST METHODS 129
ZC	PERFORMANCE TEST METHODS 152

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Australian/New Zealand Standard
Gas appliances**Part 0: General requirements**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE AND APPLICATION**1.1.1 Scope**

This Standard specifies general requirements and test methods for appliances and equipment which use gas as a fuel and which are intended for domestic, commercial or light industrial use, to an energy input limit of 1000 MJ/h or any lower limit specified in the appliance-specific Part of the AS/NZS 5263 series of Standards. This Standard provides requirements for appliances for fixed installation, portable and mobile appliances and appliances for use in caravans and boats.

For Australia, the fuel gases are natural gas (as described by AS 4564), town gas, liquefied petroleum gas (LP Gas, as described by AS 4670), simulated natural gas (SNG) and tempered liquefied petroleum gas (TLP).

For New Zealand—

- (a) The fuel gases are natural gas (as specified in NZS 5442) and general product liquefied petroleum gas (NZLPG, as specified in NZS 5435).
- (b) Thermal efficiency requirements are informative only, except where they relate to safety.

Appliance-specific Parts of the AS/NZS 5263 series contain clauses that add to, delete, or modify the corresponding clauses in this Standard to provide the relevant requirements for each type of appliance.

Test methods are set out in Appendices ZA, ZB and ZC (see Clause 1.4).

NOTE: Other statutory or regulatory requirements may be applicable to the product(s) that fall within the scope of this Standard. It is the manufacturer's, importer's or distributor's responsibility (as appropriate) to ensure that products comply with such requirements.

1.1.2 Application

This Standard (Part 0), together with other Standards in the proposed AS/NZS 5263 series specific to appliance types (Part 1.X), constitute a means of compliance with AS 3645 for each appliance type.

This Standard may be applied, as far as is reasonable, to appliances not mentioned in any appliance-specific AS/NZS 5263 series Standards, and to gas appliances designed on new principles or technologies.