

AS 4563:2022



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Commercial catering gas equipment

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- Australian Gas Association
- Australian Industry Group
- Better Regulation Division (Fair Trading, Safework NSW, TestSafe)
- Consumer Electronics Suppliers Association
- Department of Mines, Industry Regulation and Safety — Building and Energy WA
- Energy Networks Australia
- Gas Appliance Manufacturers Association of Australia
- Gas Energy Australia
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Commercial catering gas equipment

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Preface

This Standard was prepared by the Australian members of Joint Standards Australia/New Zealand Committee AG-001, Gas Appliances to supersede AS 4563—2004, *Commercial catering gas equipment*.

The objective of this document is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with uniform minimum requirements for the safety, performance and use of commercial cooking and catering gas appliances.

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

In its preparation, 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 principal differences between this edition and AS 4563—2004 are the addition of—

- (i) specific requirements for high temperature appliances ([Section 17](#));
- (ii) specific requirements for mobile serving appliances ([Section 18](#));
- (iii) updated test methods for burner systems; and
- (iv) temperature limits for adjacent surfaces when the appliance is installed with zero clearance from side and rear walls.

The AS/NZS 5601 series of Standards provides essential requirements and means of conformance for gas installations. Any reference to AS/NZS 5601 in AS 4563 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” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

Contents

Preface	ii
Section 1 Scope and general	1
1.1 Scope and application.....	1
1.1.1 Scope.....	1
1.1.2 Application.....	1
1.2 Normative references.....	1
1.3 Terms and definitions.....	1
1.4 Test methods.....	16
Section 2 Design and construction	19
2.1 General.....	19
2.1.1 Controls and safety components.....	19
2.1.2 Manual shut off valves.....	19
2.1.3 Classification of safety shut off valves.....	19
2.1.4 Safety devices and interlocks.....	19
2.1.5 Over-temperature cut-out device.....	19
2.1.6 Main burner automatic shut off valves.....	19
2.1.7 Suitability of bearings.....	19
2.1.8 Protection of bearings.....	20
2.1.9 Protection of vitreous enamel.....	20
2.1.10 Protection of electric lamps.....	20
2.1.11 Provision for removal of condensate.....	20
2.1.12 Appliance base.....	20
2.1.13 Provision for moving appliance.....	20
2.1.14 Adequacy of means of support.....	20
2.1.15 Positioning of removable components.....	20
2.1.16 Provision for an LP Gas cylinder.....	20
2.2 Features specially required.....	20
2.2.1 Provision of pressure regulators.....	20
2.2.2 Positioning of regulators.....	21
2.2.3 Means for gas pressure measurement.....	21
2.2.4 Fitting of flame safeguards.....	21
2.2.5 Bypass for thermostatically controlled burners.....	21
2.2.6 Control of bleed lines.....	21
2.2.7 Means to turn off gas supply to pilots.....	21
2.2.8 Programmable electronic systems.....	21
2.2.9 Combustion air supply.....	21
2.3 Burner and ignition systems.....	22
2.3.1 Operation adjustment for Universal LP Gas appliances.....	22
2.3.2 Protection of ports and injectors.....	22
2.3.3 Restrictions on gauze over primary air ports.....	22
2.3.4 Positive location of flash ignition tubes.....	22
2.3.5 Support of pilots, ignitors and flame sensing devices.....	22
2.3.6 Location of burner mixing tubes.....	22
2.3.7 Burner supports.....	22
2.3.8 Securing of removable burner components.....	22
2.3.9 Fixing of gas manifolds.....	23
2.3.10 Tray type burner-turndown limits.....	23
2.3.11 Burners with remote manual ignition.....	23
2.3.12 Burners with direct manual ignition.....	23
2.3.13 Manually operated burners enclosed in a compartment.....	23
2.4 Materials.....	23
2.4.1 Suitability of materials and finishes.....	23
2.4.2 Resistance to corrosion.....	23
2.4.3 Materials containing asbestos.....	23

2.4.4	Materials in contact with gas.....	23
2.4.5	Components required to be placed in a flame.....	23
2.4.6	Zinc based alloys.....	24
2.4.7	Jointing compounds and jointing materials.....	24
2.4.8	Thermal insulation.....	24
2.4.9	Protection of aluminium tubing.....	24
2.5	Design for assembly and installation.....	24
2.5.1	Conformance in alternative forms.....	24
2.5.2	Fixing of gas connections.....	24
2.5.3	Gas inlet connection.....	24
2.5.4	Access to connection.....	25
2.5.5	Appliance connection for appliances connecting directly to an LP Gas cylinder.....	25
2.5.6	Gas hose assemblies.....	25
2.5.7	Protection of hose assembly.....	25
2.5.8	Restraint where a hose assembly is used.....	25
2.5.9	Compression fittings.....	25
2.5.10	Design of air entry and combustion product discharge.....	26
2.5.11	Flue terminal and draught diverter construction.....	26
2.5.12	Design to prevent flueway blockage.....	26
2.5.13	Adequacy of means of support.....	26
2.5.14	Means to level appliance.....	26
2.6	Design for maintenance.....	26
2.6.1	Accessibility for adjustment.....	26
2.6.2	Accessibility for replacement.....	27
2.6.3	Screwed connections.....	28
2.6.4	Inaccessible nuts or bolts.....	28
2.6.5	Insertion and removal of gas injectors.....	28
2.6.6	Plug and socket connections.....	28
2.7	Design for use.....	28
2.7.1	Accessibility by the user.....	28
2.7.2	Design of valve handles, movable dials and pointers.....	28
2.7.3	Protection of control knobs.....	29
2.7.4	Locking means for adjusting devices.....	29
2.7.5	Prevention of injury and ignition.....	29
2.7.6	Preventing ignition.....	29
2.7.7	Dismantling and replacement by the user.....	29
2.7.8	Sharp edges.....	29
2.7.9	Design to minimize contact with hot surfaces.....	29
2.7.10	Provision for the collection of grease and food particles.....	29
2.7.11	Accessibility of water feed and drainage systems.....	29
2.7.12	Connection of electrical components.....	29
2.8	Markings.....	29
2.8.1	Language.....	29
2.8.2	Permanent markings on appliances.....	30
2.8.3	Marking of doors and covers.....	30
2.8.4	Marking of flash ignition tubes.....	30
2.8.5	Indication of function.....	30
2.8.6	Identification of gas valves.....	30
2.8.7	Gas type marking.....	30
2.8.8	Gas type colour code.....	31
2.8.9	Markings on packaging.....	31
2.8.10	Marking of thermostat dials.....	31
2.8.11	Interference with combustion air.....	31
2.8.12	Identification of injectors.....	31
2.9	Instructions.....	32
2.9.1	Language.....	32
2.9.2	Installation.....	32

2.9.3	Operation	33
2.9.4	Maintenance	34
Section 3	Preliminary tests — Line gases	36
3.1	General	36
3.1.1	Gases for testing	36
3.1.2	Test gas composition	38
3.1.3	Test gas properties	38
3.1.4	Test gas pressure	38
3.1.5	Burners with displaceable media	39
3.2	Preparation for testing	39
3.2.1	Electrical safety requirements	39
3.2.2	Setting up appliance for testing	39
3.2.3	Appliance regulator not to be removed during testing	39
3.2.4	Protection from accidental draughts	39
3.2.5	Prevention of gas rate variation	39
3.2.6	Turndown gas consumption	40
3.3	Gas leakage	40
3.4	Gas consumption	40
3.4.1	Tolerance on determined gas consumption	40
3.4.2	Total determined gas consumption — All burners operating	40
3.4.3	Determined gas consumption of permanent pilots	40
3.5	Gas pressure regulators	40
3.6	Ignition and safety shut off systems	41
3.6.1	General	41
3.6.2	General requirements	41
3.6.3	Additional requirements for atmospheric burners with automatic burner ignition systems not based on permanent pilots	42
3.6.4	Additional requirements for fan assisted combustion systems with automatic ignition not based on permanent pilots	43
Section 4	Tests under limiting condition	45
4.1	General	45
4.2	Combustion performance for any independent burner	45
4.2.1	CO/CO ₂ ratio limits for any independent burner — Overload	45
4.2.2	CO/CO ₂ ratio and O ₂ limits for any independent burner	45
4.3	CO/CO ₂ ratio limits — Permanent pilots	46
4.4	CO/CO ₂ ratio limits for any independent surface combustion burner — Underload	46
4.5	Flame characteristics at maximum and minimum limiting conditions	46
4.6	Burner ignition at maximum and minimum limiting conditions	47
4.7	Delayed ignition at maximum and minimum limiting conditions	47
4.8	Unburnt gas release from burner system	48
4.9	Burner interference at ignition or during combustion	48
Section 5	Performance specifications	49
5.1	Combustion air supply	49
5.1.1	Proving of means of mechanical air supply	49
5.1.2	Burner shut down following air supply failure	49
5.1.3	Obstruction of air inlets on appliances with fan assisted combustion systems	49
5.2	Flue operation	49
5.2.1	Spillage of combustion products — Flued appliances	49
5.2.2	Performance with downdraught, updraught and blocked flue	49
5.3	Burner operation	49
5.3.1	Burner flames — Stability to draught	49
5.3.2	Burner stability when changing setting	49
5.3.3	Pilot flames — Stability	49
5.3.4	Flame stability — Effect of door operation	50
5.4	Condensation	50
5.4.1	Control of condensate	50
5.4.2	Condensate — Interference with combustion	50

5.4.3	Blocked condensate drain.....	50
5.5	Temperature hazards.....	50
5.5.1	General.....	50
5.5.2	Temperature limits — Floor, wall, bench and adjacent surfaces.....	50
5.5.3	Temperature limits — Surfaces intended to be handled.....	50
5.5.4	Temperature limits — Surfaces likely to be accidentally touched.....	51
5.5.5	Temperature limits — Appliance safety.....	51
5.5.6	Temperature limits — Zero rear clearance installation.....	52
5.6	Heat resistance.....	53
5.6.1	Normal operation.....	53
5.6.2	Resistance to temperatures — Burner lightback.....	53
5.7	Response to electrical power variation or failure.....	53
5.8	Durability.....	54
5.8.1	Zinc based alloys.....	54
5.8.2	Permanent markings.....	54
Section 6	Specific requirements — Boiling tables — Open and closed top, Chinese cooking tables.....	55
6.1	Strength — Applied load.....	55
6.1.1	Appliance.....	55
6.1.2	Pan supports.....	55
6.2	Effect of spillover on ignition system.....	55
Section 7	Specific requirements — Salamanders, grillers and toasters.....	56
7.1	Provision of grill grids and drip trays.....	56
7.2	Shelves, racks and grids strength — Applied load.....	56
Section 8	Specific requirements — Solid grill plates and grids.....	57
Section 9	Specific requirements — Barbecues.....	58
Section 10	Specific requirements — Ovens.....	59
10.1	Provision of thermostat.....	59
10.2	Design of ovens.....	59
10.2.1	Oven doors — Open position.....	59
10.2.2	Oven shelves.....	59
10.2.3	Impingement of flame on shelves or cooking utensils.....	59
10.3	Strength — Applied load.....	59
10.3.1	Appliance.....	59
10.3.2	Oven shelves.....	59
10.3.3	Drop down doors.....	59
10.3.4	Side hinged doors.....	59
Section 11	Specific requirements — Boiling water units.....	60
11.1	Integral cold water feed tanks.....	60
11.2	Drain valves.....	60
11.3	Provision for the collection of corrosion products.....	60
Section 12	Specific requirements — Atmospheric steamers.....	61
12.1	Steam generator.....	61
12.2	Appliance strength — Applied load.....	61
Section 13	Specific requirements — Stockpots and brat pans.....	62
13.1	Temperature hazards and heat resistance.....	62
13.1.1	Temperature of surfaces in contact with cooking oil.....	62
13.2	Pressure vessels.....	62
13.3	Provision of tilt cut-off device.....	62
13.4	Provision of low water level overheat device.....	62
13.5	Drain valves.....	62
13.6	Construction of cooking vessel.....	62
13.7	Provision to empty completely.....	62
13.8	Means to keep lid in raised position.....	62

13.9	Strength and stability	63
13.9.1	Stockpots — Applied load	63
13.9.2	Brat pans — Applied force	63
Section 14	Specific requirements — Fryers	64
14.1	Temperature hazards and heat resistance	64
14.1.1	Temperature of surfaces in contact with cooking oil	64
14.1.2	Flue gas temperature	64
14.2	Design of fryers	64
14.2.1	Construction of cooking vessel and surround	64
14.2.2	Provision of oil drain valve	64
14.2.3	Design of drain valve	64
14.2.4	Provision of shut off for each cooking vessel	64
14.2.5	Provision of automatic temperature control	64
14.2.6	Maximum temperature	64
14.2.7	Automatic filtration systems	65
14.2.8	Provision of over-temperature cut-out device	65
14.2.9	Pressure relief device	65
14.2.10	Copper and copper bearing alloys	65
14.3	Performance of fryers	65
14.3.1	Temperature control	65
14.3.2	Over-temperature cut-out device	65
14.4	Markings	65
14.4.1	Marking of normal working liquid level	65
14.4.2	Warning regarding correct level of cooking oil	65
14.4.3	Marking of drain valve	65
14.5	Appliance strength — Applied load	65
Section 15	Specific requirements — Food warmers including bains marie	66
15.1	Design of food warmers and bains marie	66
15.1.1	Nominal working temperature	66
15.1.2	Heating performance	66
15.1.3	Resistance to boiling liquid — Wet bain marie	66
15.2	Strength — Applied load	66
15.2.1	Appliance	66
15.2.2	Food containers	67
Section 16	Specific requirements — Pasta/noodle cookers and rethermalizers	68
16.1	Drain valve	68
16.2	Markings	68
16.2.1	Marking of normal water level	68
16.2.2	Caution regarding water level	68
16.3	Appliance strength — Applied load	68
Section 17	Specific requirements — High temperature cookers	69
17.1	Temperature hazards and heat resistance	69
17.1.1	General	69
17.1.2	Maximum temperature	69
17.2	Design for use	69
17.2.1	Provision of over-temperature cut-out device	69
17.3	Drain valves	69
17.4	Markings	69
17.5	Strength and stability	69
17.5.1	Stability	69
17.5.2	Appliance strength — Applied load	69
17.5.3	Drop down loading doors	69
17.5.4	Side hinged loading doors	69
17.5.5	Separation of sections	70
Section 18	Specific requirements — Mobile serving appliances	71
18.1	Design requirements	71

18.1.1	Maximum gas consumption	71
18.1.2	Provision of hose and regulator assembly.....	71
18.1.3	Thermostat maximum temperature	71
18.1.4	Tip-over switch	71
18.1.5	Water vessel.....	71
18.1.6	Drain valve.....	71
18.1.7	Mobility requirements.....	71
18.1.8	Provision of manual isolation valve.....	71
18.1.9	Gas cylinder and cylinder compartments	71
18.2	Performance requirements	73
18.2.1	CO/CO ₂ ratio limits.....	73
18.2.2	Containment of hot liquids	73
18.3	Strength and stability	73
18.3.1	Appliance.....	73
18.3.2	Stability.....	73
18.4	Markings.....	73
Appendix A (normative) Figures A.1 to A.9		74
Appendix B (normative) Test methods.....		82
Appendix C (normative) Meter volume correction factors		152
Appendix D (normative) Pressure and gas volume test equipment.....		154
Appendix E (informative) Diagrammatic representation of an operating system for automatic burners.....		155
Bibliography.....		156

Australian Standard[®]

Commercial catering gas equipment

Section 1 Scope and general

1.1 Scope and application

1.1.1 Scope

This document specifies general requirements and test methods for various types of commercial catering gas equipment. The fuel gases are natural gas (as described in AS 4564), town gas, liquefied petroleum gas (LP Gas, as described by AS 4670) and tempered liquefied petroleum gas.

NOTE Other statutory and regulatory requirements may be applicable to the product(s) that fall within the scope of this document. Manufacturers, importers or distributors have legal obligations to ensure that products conform to such requirements.

Figures referred to in this document are located in [Appendix A](#).

Equipment for controlling gas pressure and measuring gas volume is specified in [Appendix D](#).

1.1.2 Application

Appliances shall conform to the general requirements of [Sections 2, 3, 4](#) and [5](#), and to the requirements in each of following Sections that are applicable to the nature of the appliance.

[Section 6](#): Boiling tables — Open and closed top, Chinese cooking tables

[Section 7](#): Salamanders, grillers and toasters

[Section 8](#): Solid grill plates and griddles

[Section 9](#): Barbecues

[Section 10](#): Ovens

[Section 11](#): Boiling water units

[Section 12](#): Atmospheric steamers

[Section 13](#): Stockpots and brat pans

[Section 14](#): Fryers

[Section 15](#): Food warmers including bains marie

[Section 16](#): Pasta cookers and rethermalizers

[Section 17](#): High temperature cookers

[Section 18](#): Mobile serving appliances

AS 3645 specifies essential requirements for gas equipment that require regulatory approval before sale. This document is intended to provide a means of demonstrating conformance to AS 3645.

1.2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document.

NOTE Documents referenced for informative purposes are listed in the Bibliography.