

STANDARD INFORMATION

Standard: ANSI Z21.58 / CSA 1.6

Standard ID:

Outdoor Cooking Gas Appliances [ANSI Z21.58:2022 Ed.6+E1;U1]

Outdoor Cooking Gas Appliances [CSA 1.6:2022 Ed.6+E1;U1]

Previous Standard ID:

Outdoor Cooking Gas Appliances [ANSI Z21.58:2022 Ed.6+E1]

Outdoor Cooking Gas Appliances [CSA 1.6:2022 Ed.6+E1]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: September 1, 2026

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: All reports certified to ANSI Z21.58 / CSA 1.6 must be certified to the 6th edition plus Update 1 prior to the effective date. Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

This standard contains Functional Safety requirements.

Overview of Changes: Specific details of new/revised requirements are found in table below.

- Addition of requirements for low-temperature operation
- Addition of requirements for outdoor cooking gas appliance structure
- Addition of requirements for the wind test
- Addition of requirements for smart enabled devices

Specific details of new/revised requirements are found in table below

Note: If the listing references a Canadian standard, per the Canadian Electrical Code (CSA C22.2#0) Section titled Language of markings, Caution and Warning Markings shall be in English and French.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>		
4	Info	Construction
4.1	Info	General construction and assembly
<i>New clause added;</i>		
Low-temperature operation		
4.1.16		All gas-carrying components and automatic gas ignition systems shall be rated for the minimum ambient operating temperature of either 0 °F (–17.8 °C) or a lower temperature, as specified by the outdoor cooking gas outdoor cooking appliance manufacturer.
Outdoor cooking gas appliance structure		
Outdoor cooking gas appliance structures shall meet the following:		
4.2		<p>h) Outdoor cooking gas appliances for connection to a self-contained liquefied petroleum gas supply system shall be designed for the storage of only the cylinders currently in use. They shall be designed so a spare 20 lb (9.1 kg) or 30 lb (13.6 kg) LP gas cylinder cannot be stored <u>in any orientation within any enclosure (with doors closed) below the firebox, side burner, any cooking location or burners, or under the firebox of an open-cart appliance. This shall be evaluated before and after the cylinder(s) currently in use is mounted in accordance with the manufacturer's instructions.</u></p> <p>j) <u>Where the connected cylinder is not designed to be mounted under the firebox, a spare cylinder shall not be stored in any orientation within any enclosure (with doors closed) below the firebox, side burner, any cooking location or burners, or under the firebox of an open-cart appliance.</u></p> <p>k) <u>Any part used to comply with the construction specified in Items a) to j) shall be attached in a manner necessitating the use of a tool.</u></p>
5	Info	Performance
510	Info	Manual gas valves
5.10.2	Info	Manual valves exceeding 1/2 psi



CLAUSE	VERDICT	COMMENT
		<i>New section added;</i>
		Low temperature performance
5.10.2.2		<p>Manual gas valves complying with Clause 5.10.1b) and intended for operation at inlet gas pressure exceeding 0.5 psi (3.5 kPa) shall comply with the following method of test at either 0 °F (–17.8 °C) or a lower temperature, as specified by the outdoor cooking gas appliance manufacturer.</p> <p>Testing shall be conducted as follows:</p> <p>See standard for details.</p>
		Wind tests
5.25		<p>The burner(s) of an outdoor cooking gas appliance shall remain burning and shall not ignite cotton cloth when the outdoor cooking gas appliance is exposed to a wind velocity of 10 mph (4.47 m/s) in accordance with the following method of test.</p> <p>Testing shall be conducted as follows:</p> <p><u>e) Following the performance of this test, the appliance shall be operated with all burners set to the minimum operating (low) position and the appliance operated for 2 min with the lid or cover open and 2 min with the lid or cover closed without extinguishing the flame, when a 5 mph (2.24 m/s) wind is directed against the outer surface of the outdoor cooking gas appliance as detailed in Clause 5.25c). Partial extinguishing may be done as long as the flame recovers when the wind ceases.</u></p>



CLAUSE	VERDICT	COMMENT
Annex B	Info	Provisions for the safety of smart enabled outdoor cooking gas appliances (optional)
B.2	Info	General
		<i>New clause added;</i>
		Smart enabled or remote operation
		Smart enabled or remotely operated appliances shall meet the following requirements
B.2.6		<p>a) Any functionality enabled in response to external communication or data signals shall be considered when determining the normal and abnormal conditions of the appliance.</p> <p>b) The appliance shall include a means for the consumer to manually override any remote operation (s) command(s), except for gas safety shutdown.</p> <p>c) A control on the appliance shall be manually actuated to initiate the flow of gas and ignite the gas. See also Clause 4.25.</p>