

Standard Information

Standard Number: ANSI Z21.1 / CSA 1.1

Standard Name: Household cooking gas appliances

Standard Edition and Issue Date: _1st Edition Dated February 2016

Date of Revision: February 2016

Date of Previous Revision to Standard: ANSI Z21.1-2010, addenda Z21.1b-2012, and CAN1-1.1-M81 (R2011)

Effective Date of New/Revised Requirements

Effective Date (see Schedule below): April 1, 2017

Impact, Overview, Fees and Action Required

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes: New and revised construction, marking and test requirements. Specific details of new/revised requirements are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Schedule: So that shipping of products with Listing Marks will not be interrupted, an **approximate** schedule has been established to ensure Listing Reports are found compliant by Effective Date:

- July 1, 2016 = 8 Month Report Review – Intertek will review all Reports. Update if compliance is verified or issue Findings Letter/Quote for any re-evaluations needed
- September 30, 2016 = 6 Month Quote Cut-off – Quotes returned for necessary re-evaluations
- March 1, 2017 = 30 Day Warning – Client advised of all non-compliant Reports to be Suspended
- **April 1, 2017** = Effective Date – ATM Suspended for all non-compliant Reports

Fees: An initial review of Listing Report (s) will be covered by a direct billing project and will be invoiced at not more than \$1000 per report.

Client Action Required:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

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.

Description of New/Revised Technical Requirements

Clause	Verdict	Comment
4.4.1, 4.4.2		The minimum glass thickness requirements for electrical enclosures and oven doors have been replaced with a glass impact test.
4.5.3		Now requires that the appliance be capable of being secured to at least two different supporting structures. A fastening means shall be provided to secure the appliance to either a wall, floor or a cabinet or countertop. A second fastening means shall also be provided to secure the appliance to a second construction. In the event the first fastening means is not suitable for a specific installation, the second fastening means shall be available using the same device or a separate device.
4.7.3		Now requires that two separate operations (push and turn for example) are necessary to go from the pilot position to the "ON" position.
4.7.14, 4.10.6	Info	Now permit an open circle (O) to be used instead of the word "OFF"
4.7.17		Now requires that removable knobs can only be installed in the correct position.
4.8.8		Now requires that the adjustment means of the appliance gas pressure regulator be concealed.
4.13.4		Now requires that burners with multiple venturi tubes be constructed such that in the event that one mixer tube is blocked gas will not exit through another mixer tube.
4.15.16		Requires that a manually lit pilot burner or the main burner be visible from the front of the appliance.
4.27.2		Requires the printed manual to contain new instructions regarding the anti-tip devices supplied with the product. The new text is consistent with that appearing in UL 858.
4.28.8		Replaces the existing anti-tip warning marking with a new one which is consistent with that appearing in UL 858. This marking may be temporary and must be located on the rear of the appliance making it visible during installation.
4.28.9		Requires a new permanent anti-tip marking.
4.28.10		Requires a new temporary anti-tip marking. This marking must be located on the front of the appliance making it visible after installation.

Standards Update Notice (SUN)

Issued: May 4, 2016

Clause	Verdict	Comment
5.4.1 a, c, e, g and i		Have been revised and now evaluates only top section burners alone without interference. Previously these clauses specified that all burners be in operation when securing the sample from burners under test. When conducting the test under these sections, it was difficult to isolate the flue products from the top burners from the flue discharge from the oven flue or other sections of the appliance. Additionally, many designs are equipped with dedicated open top broiler sections or griddle sections. The previous wording in 5.4.1 required that these sections be in operation for the top burner combustion test. The revised sections of section 5.4.1 now evaluate each section of the appliance individually.
5.4.1b		Is expanded to require an additional combustion test under the griddle plate combustion test to require specific griddle plates that are often provided or specified by manufacturers be tested. The griddle plates may cover multiple burners of a range. The previous wording in the standard did not require that this griddle plate to be tested.
5.8.6		Adds a new delayed ignition test for ovens and enclosed broilers which use a pilot burner. The "Appliance Thermostat" test in previous clause 2.14 has been deleted.
5.16.2		The cloth ignition test is modified to clarify that all top section burners are in operation simultaneously during the test.
5.25.7		Has been changed to require that temperatures be measured during the entire test and not only during the last 15 minutes of the test as previously required. Appliances that incorporate thermostats that previously ramped the oven temperature down towards the end of the cleaning cycle will require retesting to ensure that the maximum permissible temperatures are not exceeded anytime during the test.
5.25.7		Now requires that self-clean appliances that have controls with multiple temperature settings shall undergo two addition self-clean cycles with the top section burners in operation if possible. The temperatures are measured during the entire test and not just the final 15 minutes as previously required.
Annex A		Has been added and contains French Translation
		CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.