STANDARDS UPDATE NOTICE (SUN)
ISSUED: March 30, 2018

STANDARD INFORMATION

Standard Number: ANSI Z21.5.1 / CSA 7.1
Standard Name: Gas Clothes Dryers, Volume I, Type 1 Clothes Dryers
Standard Edition and Issue Date: 7th Edition Dated November 1, 2017
Date of Revision: November 1, 2017
Date of Previous Revision of Standard: June 1, 2016

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **June 1, 2019**

IMPACT, OVERVIEW, 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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: Additional leakage tests added to load fire containment and base fire containment. 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).

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.

STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
5	Info	**Performance**
5.13	Info	**Load fire containment**
5.13.2		***New clause added;*** Following completion of the test in Clause 5.13.1, the appliance shall be allowed to return to room temperature [50–104°F (10–40 °C)], then the appliance gas train shall be tested for leakage and shall not exceed a rate, corrected to standard conditions of 30 in Hg (101.3 kPa) and 60°F (15.5 °C), of 14.34 in^3/hr (235 cm^3/hr) when tested per the following Method of Test. **Method of Test** a) This test shall be conducted with the appliance at room temperature [50–104°F (10–40 °C)] at an inlet test pressure of 21 in wc (5.23 kPa). The inlet of the appliance shall be connected to a pneumatic system capable of supplying clean, dry air. A flow measuring device capable of accurately indicating flow rates equal to the maximum permissible leakage, corrected to standard conditions of 30 in Hg (101.3 kPa) and 60°F (15.5 °C) shall be used. With the appliance in the as tested condition, the specified leakage test pressure shall be applied to the appliance inlet for a period of not less than 2 minutes. If during this time, the flow measuring device indicates a total leakage through the appliance in excess of 12.20 in^3/hr (200 cm^3/hr), then follow the Method of Test as described in b) and c) below. b) This test shall be conducted with the valve removed from the appliance and at room temperature [50–104°F (10–40 °C)] using an inlet test pressure of 21 in wc (5.23 kPa). Any bypass or other openings not essential to the operation of the valve during this test shall be sealed. The inlet(s) and outlet(s) of the valve shall be connected to a pneumatic system capable of supplying clean dry air at the specified range of leakage test pressures. The valve shall be completely submerged in water. Air shall then be admitted slowly and maintained at the maximum specified leakage test pressure. Leakage through the body, corrected to standard conditions of 30 in Hg (101.3 kPa) and 60°F (15.5 °C), shall be determined by a flow measuring device, capable of accurately indicating the allowable flow, located at the inlet of the air supply. The specified leakage test pressure shall be applied to the valve for a period of not less than 2 minutes. During this time, the flow measuring device shall not indicate a total external leakage in excess of 12.20 in^3/hr (200 cm^3/hr). c) This test shall be conducted with the valve removed from appliance and at

		room temperature [50–104°F (10–40 °C)] at an inlet test pressure of 21 in wc (5.23 kPa). The inlet of the valve shall be connected to a pneumatic system capable of supplying clean, dry air. A flow measuring device capable of accurately indicating flow rates equal to the maximum permissible leakage, corrected to standard conditions of 30 in Hg (101.3 kPa) and 60°F (15.5 °C) shall be used. The valve shall be completely submerged in water and the specified leakage test pressure shall be applied to the appliance inlet for a period of not less than 2 minutes. The flow measuring device shall not indicate a total leakage through the valve seat in excess of 14.34 in^3/hr (235 cm^3/hr).
5.14	Info	**Base fire containment**
5.14.2		***New clause added;*** Following completion of the test in Clause 5.14.1, the appliance shall be allowed to return to room temperature [50–104°F (10–40 °C)]. The appliance gas train shall be tested for leakage and shall not exceed a rate, corrected to standard conditions of 30 in Hg (101.3 kPa) and 60°F (15.5 °C), of 14.34 in^3/hr (235 cm^3/hr) when tested per the following Method of Test. **Method of Test** a) This test shall be conducted with the appliance at room temperature [50–104°F (10–40 °C)] at an inlet test pressure of 21 in wc (5.23 kPa). The inlet of the appliance shall be connected to a pneumatic system capable of supplying clean, dry air. A flow measuring device capable of accurately indicating flow rates equal to the maximum permissible leakage, corrected to standard conditions of 30 in Hg (101.3 kPa) and 60°F (15.5 °C) shall be used. With the appliance in the as tested condition, the specified leakage test pressure shall be applied to the appliance inlet for a period of not less than 2 minutes. If during this time, the flow measuring device indicates a total leakage through the appliance in excess of 12.20 in^3/hr (200 cm^3/hr), then follow the Method of Test as described in b) and c) below. b) This test shall be conducted with the valve removed from the appliance and at room temperature [50–104°F (10–40 °C)] using an inlet test pressure of 21 in wc (5.23 kPa). Any bypass or other openings not essential to the operation of the valve during this test shall be sealed. The inlet(s) and outlet(s) of the valve shall be connected to a pneumatic system capable of supplying clean dry air at the specified range of leakage test pressures. The valve shall be completely submerged in water. Air shall then be admitted slowly and maintained at the maximum specified leakage test pressure. Leakage through the body, corrected to standard conditions of 30 in Hg (101.3 kPa) and 60°F (15.5 °C), shall be determined by a flow measuring device, capable of accurately indicating the allowable flow, located at the inlet of the air supply. The specified leakage test pressure shall be applied to the valve for a period of not less than 2 minutes. During this time, the

		flow measuring device shall not indicate a total external leakage in excess of 12.20 in^3/hr (200 cm^3/hr). c) This test shall be conducted with the valve removed from appliance and at room temperature [50– 104°F (10–40 °C)] at an inlet test pressure of 21 in wc (5.23 kPa). The inlet of the valve shall be connected to a pneumatic system capable of supplying clean, dry air. A flow measuring device capable of accurately indicating flow rates equal to the maximum permissible leakage, corrected to standard conditions of 30 in Hg (101.3 kPa) and 60°F (15.5 °C) shall be used. The valve shall be completely submerged in water and the specified leakage test pressure shall be applied to the appliance inlet for a period of not less than 2 minutes. The flow measuring device shall not indicate a total leakage through the valve seat in excess of 14.34 in^3/hr (235 cm^3/hr).
Annex B	Info	***Provisions for the safety of Smart enabled gas clothes dryers (optional)*** **Note:** *This Annex is a mandatory part of this Standard.*
B.3	Info	**Functional safety**
B.3.4		With respect to Clause B.3.2~~d)~~c), ~~a delayed drying cycle or remote operation~~ the pausing of a normal operating cycle (stopping and restarting after a period of time) is acceptable if: a) a door lock complying with a)i) and a)ii); or a door interlock complying with a)iii) is actuated when the appliance cycle is interrupted; i) and a solenoid or similar component that is employed to hold the door latched in the closed position shall be subjected to a 6000-cycle endurance test consisting of energizing and de- energizing the component. There shall be no malfunction of the locking means or component as a result of this test; ii) if opening and closing the door affects mechanical operation of the component, the test shall be conducted in the normal manner. The test shall be conducted at the rate of six times per minute unless a slower rate is dictated by the construction of the appliance; and iii) the interlock shall be such that the basket will not rotate and the heat source will not be energized until: 1) the door is closed to less than 3 in (76 mm) of opening; and 2) a secondary-function control, manually operated from outside the appliance, is actuated. The requirement for a secondary-function control does not apply to an appliance having an opening into the clothes drum with a dimension of less than 8 in (203 mm) or a clothes drum with a volume less than 15 gal (60 L).

	b) when the door lock or interlock is deactivated before the operating cycle is restarted, a separate action from closing the door is necessary for the user to reinitiate the paused cycle.
	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.