

## Standard Information

**Standard Number:** ANSI Z21.88/CSA 2.33

**Standard Name:** Vented Gas Fireplace Heaters

**Standard Edition and Issue Date:** 5<sup>th</sup> Edition Dated April 1, 2009

**Date of Revision:** December 18, 2012

**Date of Previous Revision to Standard:** 5<sup>th</sup> Edition Issued April 1, 2009

## Effective Date of New/Revised Requirements

**Effective Date:** **January 1, 2015**

## 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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:** Addition of new marking and testing for fireplace barriers. 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).**

***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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
<p>1.2.7 (2009 Ed.)</p> <p>4.1.7 (2014 Ed.)</p>		<p><i>Require a barrier for a gas fireplace heater whose outside glass viewing area temperature exceeds 172°F (78°C)</i></p> <p>An appliance design having an outside glass viewing area temperature that exceeds 172 °F (78 °C) as measured in Clause 5.13.5 shall be provided with a barrier for the appliance glass viewing area.</p> <p>The barrier shall be constructed to maintain a fixed relationship between essential barrier parts and the outside glass viewing area surface under normal and reasonable conditions of handling and usage.</p>
<p>1.34.1, 1.34.2, 1.35.7 (2009 Ed.)</p> <p>4.33.1, 4.33.3, 4.34.7 (2014 Ed.)</p>		<p><i>Add a warning label for an appliance where the temperature of the glass viewing outside surface exceeds 172°F</i></p> <p>These clauses were revised once again in the February 1, 2014 Revision <a href="#">SUN</a></p>
<p>2.14.4 (2009 Ed.)</p> <p>5.14.4 (2014 Ed.)</p>		<p><i>Added testing criteria for evaluating the outside glass viewing surface temperature</i></p> <p>Where the outside temperature of the glass viewing area surface exceeds 172 °F (78 °C)* when installed according to Clause 5.24, and operated to equilibrium, a provided barrier shall comply with burn hazard limits under Clause 5.15.</p> <p><b>Method of test</b> Evaluation shall be performed using the outside surface temperatures of the glass viewing area surface as determined by the Method of Test in 5.14.1, Glass fronts.</p> <p><i>* The maximum temperatures specified are based on a 77 °F (25 °C) room temperature. When the room temperature is other than 77 °F (25 °C), the allowable temperatures shall be increased or decreased 1 degree.</i></p>
<p>2.15.1, (2009 Ed.)</p> <p>5.15.2, (2014 Ed.)</p>		<p><i>Added testing criteria for evaluating the burn hazard potential of a barrier</i></p> <p><b>Burn hazard potential (other than barriers made of glass)</b> A barrier, which is intended to prevent direct contact with the glass viewing area surface by the accessibility probe shown in Figure 6, Accessibility probe, shall be designed to prevent contact with the glass viewing area surface having temperatures in excess of 172 °F (78 °C)* when testing according to Clause 5.15.1.</p> <p><b>Method of test</b> The probe shall be applied (1) with a 2.5 lb force (11.1 N), and (2) in any possible configuration and to any depth that the size of an opening will permit. The probe shall be rotated or angled to any possible position before, during, or after insertion through the opening. If necessary, the configuration shall be changed after the probe has been inserted through the opening.</p>



## Standards Update Notice (SUN)

*Internal SUN Only*

Clause	Verdict	Comment
		<p>Any glass surface the accessibility probe can contact with the barrier in place shall be measured according to Clause 5.15.1 or Clause 5.15.3, to verify the glass surface temperature does not exceed 172 °F (78 °C)*. Removal of barrier might be required for measuring temperature.</p> <p><i>* The maximum temperatures specified are based on a 77 °F (25 °C) room temperature. When the room temperature is other than 77 °F (25 °C), the allowable temperatures shall be increased or decreased 1 degree for each degree of room temperature greater or less than 77 °F (25 °C), within a range of 70-80 °F (21-27 °C).</i></p>
2.15.2 (2009 Ed.)		Added testing criteria for evaluating the burn hazard potential of a barrier
5.15.3 (2014 Ed.)		This clause was revised once again in the February 1, 2014 Revision <a href="#">SUN</a>