

## Standard Information

**Standard Number:** CSA C22.2 No. 92

**Standard Name:** Dehumidifiers

**Standard Edition and Issue Date:** 2<sup>nd</sup> Edition Dated September 1, 2015

**Date of Revision:** September 1, 2015

**Date of Previous Revision of Standard:** 1<sup>st</sup> Edition Reaffirmed 2013

## Effective Date of New/Revised Requirements

**Effective Date:** **August 13, 2018**

## 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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:

- New requirements for non-metallic materials
- New requirements for refrigerants
- Revised requirements for protection against excessive pressure
- New requirements for hermetic refrigerant motor compressors
- New requirements for adhesives used to hold barriers
- New refrigerant loss test

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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

### Description of New/Revised Technical Requirements

Clause	Verdict	Comment
5.2.2.3		<i>New requirement;</i>  Polymeric material forming enclosures of uninsulated live parts, including polymeric outer cabinet panels, shall comply with the 5 VA flammability rating of CAN/CSA-C22.2 No. 0.17.
5.2.2.4		<i>New clause added;</i>  A polymeric material serving as an enclosure of insulated live parts shall comply with the V-0 flame rating of CAN/CSA-C22.2 No. 0.17.
5.2.2.5		<i>New clause added;</i>  Parts intended for illumination or decorative purposes shall comply with the HB or HBF flammability rating of CAN/CSA-C22.2 No. 0.17. However, the part shall not be required to meet this flame rating if the part  a) does not occupy a volume greater than 2000 mm <sup>3</sup> (0.122 in <sup>3</sup> ), does not have any dimension greater than 30 mm (1.18 in), and it is located so that it does not propagate flame from one area to another or bridge between a possible source of ignition and other ignitable parts; or  b) does not enclose uninsulated live parts.
5.3.2		<i>New requirement;</i>  <b>Safety of refrigerating system</b>  Refrigerants shall be one of the types listed and classified in CSA B52.
5.3.3.1		<i>New requirement for refrigerant-containing components;</i>  Except for components and pressure vessels that are required to comply with the requirements in CSA B52, refrigerant-containing components shall comply with the requirements of CSA C22.2 No. 140.3, and shall have a working pressure rating suitable for the application.

Clause	Verdict	Comment
5.3.5.5		<p><i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined out</del> below</i></p> <p><del>Rupture members shall burst at a pressure within 5 per cent of the marked bursting pressure, when tested in accordance with Clause 6.15.</del></p> <p><u>Rupture members shall comply with the applicable requirements specified in CSA C22.2 No. 140.3.</u></p>
5.3.5.6		<p><i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined out</del> below</i></p> <p><del>Fusible plugs shall operate at a temperature within minus 12.2C (10F) of the marked temperature rating, when tested according to Clause 6.16.</del></p> <p><u>Fusible plugs shall operate at a temperature within minus 12.2 °C (10 °F) of the marked temperature rating when tested in accordance with CSA C22.2 No. 140.3.</u></p>
5.10.1.2		<p><i>New clause added;</i></p> <p>Hermetic refrigerant motor compressors shall comply with the applicable requirements of CAN/CSA-C22.2 No. 60335-2-34.</p>
5.15.3		<p><i>New clause added;</i></p> <p>Adhesives used to hold barriers shall be suitable for their application to ensure adequate life under conditions of normal use.</p>
7.4.1		<p><i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined out</del> below</i></p> <p>Equipment tested under conditions of normal load as described in Clause 7.2 shall not attain a temperature at any point sufficiently high to constitute a fire hazard or to affect injuriously any materials employed in the equipment. The temperature rises measured at specific points shall not be greater than those indicated in Table 4.</p> <p><u>Additionally, equipment tested under conditions of normal load as described in Clause 7.2, but with the test voltage at the extreme limit, shall not show temperature rises on the electrical insulation of motors and other components of more than 20 °C in excess of those indicated in Table 4.</u></p> <p><u>Note: The extreme limit is that limit of the system voltage for extreme operating conditions which causes the higher temperature rise (see Table 2 of CSA CAN3-C235 for specific voltage limits).</u></p>
7.14		Added new test – Refrigerant loss test (operating with refrigerant loss)
		<b>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.</b>