

## STANDARD INFORMATION

**Standard Number:** UL 207

**Standard Name:** Refrigerant-Containing Components and Accessories, Nonelectrical

**Standard Edition and Issue Date:** 8<sup>th</sup> Edition dated April 20, 2009

**Date of Revision:** January 21, 2020

**Date of Previous Revision of Standard:** June 27, 2014

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **January 21, 2022**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** A review of all Listing Reports is necessary to determine which products comply with new/revise 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.

### Overview of Changes:

- Revisions to Include Requirements to cover Refrigeration Fittings
- Changes to Include Refrigeration Line Sets
- Addition of Nonmetallic materials Requirements
- Revisions to Marking Requirements

Specific details of new/revise 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:

**Information** – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revise paragraphs noted in the attached or explain why these new/revise 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined out</del> below.</i>
4	Info	<b>Materials</b>  <b><i>New clause added;</i></b>  Except for nonmetallic materials used as gaskets or seals, a nonmetallic material, such as thermal insulation, which may be provided on a component and having:  a) Any single unbroken section of the material with a surface area that does not exceed 10 ft <sup>2</sup> (0.93 m <sup>2</sup> ) shall be marked in accordance with 22.10.3 and: 1) Be rated 5VA in accordance with the Standard for Tests for Flammability of Plastic Materials for Parts in Devices and Appliances, UL 94; or 2) Comply with the 127 mm end-product flame test in the Standard for Polymeric Materials – Use in Electrical Equipment Evaluations, UL 746C. b) Any single unbroken section of the nonmetallic material with a surface area that exceeds 10 ft <sup>2</sup> (0.93 m <sup>2</sup> ) shall have a flame spread rating of not more than 25 and a smoke developed rating of not more than 50 when tested in accordance with the Standard for Test for Surface Burning Characteristics of Building Materials, UL 723.  NOTE: As an example and in reference to 4.9, pipe/tube insulation having a 2 in (51 mm) outside diameter and more than 19 ft (5.8 m) long will exceed 10 ft <sup>2</sup> (0.93 m <sup>2</sup> ).
10A	Info	<b>Refrigeration Fittings</b>  <b><i>New clause added;</i></b>  Refrigeration fittings for use with refrigerant-containing components, tubing, line sets and related equipment shall be connected by brazing or welding or comply with:  10A.1 a) Supplement SA of this Standard in addition to any relevant requirements within this Standard; b) The Standard for Tube Fittings for Flammable and Combustible Fluids, Refrigeration Service, and Marine Use, UL 109; or c) The Standard for Refrigerating Systems and Heat Pumps – Qualification of Tightness of Components and Joints, ISO 14903.
10B		<b><i>New section added;</i></b>  <b>Refrigeration Line Sets</b>  This section contains requirements for refrigeration line sets. See standard for details.



CLAUSE	VERDICT	COMMENT
		<i>New section added;</i>
19A		<p><b>General – Refrigeration Line Set Test Conditions and Arrangement</b></p> <p>This section contains requirements for test conditions and arrangements. See standard for details.</p>
		<i>New section added;</i>
19B		<p><b>Refrigeration Line Set Pull Test</b></p> <p>This section contains requirements for the pull test. See standard for details.</p>
		<i>New section added;</i>
19C		<p><b>Refrigeration Line Set Vibration Test</b></p> <p>This section contains requirements for the vibration test. See standard for details.</p>
	Info	<b>MARKING</b>
22	Info	<p><b>General</b></p> <p>marking required to be permanent shall:</p> <p>a) Be molded, die-stamped, paint-stenciled, stamped or etched metal and be permanently secured; or</p> <p>b) Be indelibly-stamped lettering or pressure-sensitive labels secured by adhesive complying with Section 19; or</p> <p>c) Comply with the Standard for Marking and Labeling Systems, UL 969, as follows:</p> <p style="padding-left: 20px;">1) <u>Components intended for indoor applications – The indoor use, exposure to high humidity and occasional exposure to water at air ambient temperatures above 32°F (0°C), requirements shall be applied.</u></p> <p style="padding-left: 20px;">2) <u>Components intended for outdoor applications – The indoor and outdoor use, where exposed to high humidity or occasionally to water, requirements shall be applied.</u></p> <p>d) <u>Be equivalent to one of the methods specified in (b) – (d).</u></p>
		<i>New clause added;</i>
22.10.3		<p>A nonmetallic material complying with 4.9 (a) shall be legibly marked with the following or equivalent statement: “The nonmetallic material on this product may not be suitable for installation within plenums or ducts.”</p>



CLAUSE	VERDICT	COMMENT
		<b><i>New Supplement added;</i></b>
		<b>REQUIREMENTS FOR REFRIGERATION FITTINGS</b>
Supplement SA		<p>These requirements cover refrigeration fittings intended for use with refrigerant-containing components, tubing, line sets and related equipment in applications employing a nontoxic, non-flammable or flammable refrigerant group with classifications: A1, A2L, A2 or A3 as described by the Standard for Designation and Safety Classification of Refrigerants, ANSI/ASHRAE 34.</p> <p>See standard for details.</p>
		<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>