

STANDARD INFORMATION - UL 174:2004 ED.11+R:07MAY2019

Standard Number: UL 174

Standard Name: Household Electric Storage Tank Water Heaters

Standard Edition and Issue Date: 11th Edition dated April 29, 2004

Date of Revision: May 7, 2019

Date of Previous Revision of Standard: December 15, 2016

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **May 7, 2021**

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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revise requirements.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

- Addition of Outdoor Use Equipment Requirements
- Revision to Temperature Control 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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 lined out below.</i>
23	Info	Temperature-Regulating Controls
23.1		A <u>water heater</u> having a tank that is not open to the atmosphere shall be provided with a temperature regulating thermostat or control and be subjected to the water temperature test specified in 29.1. The heater complies when the control or thermostat that controls each heating element limits the water temperature to 85°C (185°F) or less.
	Info	OUTDOOR-USE EQUIPMENT <i>The following clauses apply to outdoor-use equipment only.</i>
52	Info	General
52.1	Info	An outdoor-use water heater shall comply with applicable requirements of the preceding Sections of this Standard and shall, in addition, comply with the following requirements. <i>New section added;</i>
53		Enclosures This section contains requirements for enclosures of outdoor-use water heaters (see standard for details).
54	Info	Field Wiring Connections <i>New clause added;</i>
54.1		Openings provided for field wiring connections shall be suitable for connection of conduit. The openings shall be threaded; unless: a) They are located wholly below the lowest uninsulated live part within the enclosure; or b) The location prevents drainage into the enclosure. Threaded holes for conduit shall be reinforced to provide metal at least 1/4 inch (6.4 mm) in thickness; and shall be provided with a conduit end stop unless the thread is tapered. <i>New section added;</i>
55		Wiring This section contains requirements for wiring of outdoor-use water heaters (see standard for details).



CLAUSE	VERDICT	COMMENT
		<i>New section added;</i>
56		Outdoor-Use Equipment Tests This section contains requirements for tests of outdoor-use waters heaters (see standard for details).
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.		