

## Standard Information

**Standard Number:** UL 1261

**Standard Name:** Standard for Safety for Electric Water Heaters for Pools and Tubs

**Standard Edition and Issue Date:** 6<sup>th</sup> Edition Dated September 2, 2016

**Date of Revision:** 6<sup>th</sup> Edition Issued September 2, 2016 and revised October 7, 2016

**Date of Previous Revision of Standard:** 5<sup>th</sup> Edition revised April 22, 2014

## Effective Date of New/Revised Requirements

**Effective Date:** **May 1, 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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:** Clarify existing text, add terminology, update standard references, replace obsolete standard references and generally reflect current practice, added requirements for button or coin cell batteries of lithium technologies. 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined-out</del> below.</i>
-	-	6 <sup>th</sup> Edition issued September 2, 2016
3.1 – 3.4		Added Section 3 <b>Safety Critical Functions</b>
4.7.4		<u>Switches that comply with the Standard for Switches for Appliances – Part 1: General Requirements, UL 61058-1, shall be rated as specified in 4.7.5 – 4.7.7.</u>
4.7.5		<p>Power switches shall be rated as follows:</p> <p>a) <u>For a voltage not less than the rated voltage of the appliance;</u></p> <p>b) <u>For a current not less than the rated current of the appliance;</u></p> <p>c) <u>For Continuous Duty;</u></p> <p>d) <u>With respect to load:</u></p> <p>1) <u>Switches for motor-operated appliances: for resistance and motor load in accordance with the Standard for Switches for Appliances – Part 1: General Requirements, UL 61058-1, or Outline for Particular Requirements for Switches for Tools, UL 6059, if the switch would encounter this load in normal use; or 2) Switches may be regarded as switches for a declared specific load in accordance with the UL 61058-1, or UL 6059, and may be classified based upon the load conditions encountered in the appliance under normal load.</u></p> <p>e) <u>For ac if the appliance is rated for ac;</u></p> <p>f) <u>For dc if the appliance is rated for dc.</u></p>
4.7.6		<u>Ratings and load classifications for switches other than power switches shall be based on the conditions encountered in the appliance under normal load.</u>
4.7.7		<p>Switches shall also be rated with respect to endurance as follows:</p> <p>a) <u>Power switches: 6000 cycles;</u></p> <p>b) <u>Power switches provided with series electronics shall be subject to an additional 1000 cycles of operation with the electronics bypassed;</u></p> <p>c) <u>Switches other than power switches, such as speed selector switches, that may be switched under electrical load: 1000 cycles;</u>d) <u>The following non-power switches are not required to be rated for endurance:</u></p> <p>1) <u>Switches not intended for operation without electrical load, and which can be operated only with the aid of a tool or are interlocked so that they cannot be operated under electrical load; or</u></p> <p>2) <u>Switches for 20 mA load as classified in the Standard for Switches for Appliances – Part 1: General Requirements, UL 61058-1.</u></p>

Clause	Verdict	Comment
5.6.1 a)		For an opening that has a minor dimension (see 5.6.3) less than 1 inch (25.4 mm), such a part or wire shall not be contacted by the probe illustrated in Figure 5.2. If the minor dimension is less than 3/4 inch (19.1 mm), the articulate probe without the web stop may be used.
22.1 – 22.4		Added Section 22 <b>Clearance and Creepage Distances</b>
27.4		A temperature is determined to be constant when three successive readings, taken at intervals of 10 percent of the previously elapsed test duration, but not less than 5 minute intervals, show no change. The thermocouple wire is to conform with the requirements for special <u>Special Tolerances</u> thermocouples in the Tolerances on Initial Calibration Tolerances for Thermocouples table in <u>Values of EMF versus Temperature Measurement tables in the Standard Specification and Temperature-Electromotive Force (emf) Tables for Standardized Thermocouples, ANSI/ ISA MC96.1 ASTM E230/E230M.</u>
Supplement SA		<b>REQUIREMENTS FOR THE EVALUATION OF ELECTRONIC CIRCUITS</b>
Supplement SB		<b>CONTROLS EVALUATED TO UL 508 AND UL 873</b>
-	-	Revision dated OCTOBER 7, 2016
4.12	Info	<b>Button or coin cell batteries of lithium technologies</b>
4.12.1		The battery compartment of an appliance or any accessory, such as a wireless control, incorporating one or more coin cell batteries of lithium technologies shall comply with the Standard for Products Incorporating Button or Coin Cell Batteries of Lithium Technologies, UL 4200A, if the appliance or any accessory: a) Is intended for use with one or more single cell batteries having a diameter of 32 mm (1.25 in) maximum with a diameter greater than its height; and b) The appliance is intended for household use. Exception: UL 4200A is not applicable to appliances and accessories intended for use where the battery is not intended to be replaced and is not referenced in instructions and markings.
		<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>