

Standard Information

This SUN includes new/revised requirements for September 29, 2016, December 2, 2016, and February 3, 2017

Standard Number: UL 979

Standard Name: Water Treatment Appliances

Standard Edition Issue Date: 2nd Edition Dated September 29, 2016

Date of Revision: December 2, 2016 and February 3, 2017

Date of Previous Revision of Standard: 1st Edition Dated February 4, 2014

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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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

September 29, 2016:

- Addition of specifications for Safety Critical Functions
- Addition of requirements for electronic circuits
- Update of requirements for switches

December 2, 2016:

- Addition of requirements for button or coin cell batteries of lithium technologies

February 3, 2017:

- Addition of requirements for parts subject to pump pressure only

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
--	--	New/Revised Requirements for Issue date September 29, 2016
27	Info	Switches and Controls
27.8		<i>New clause added;</i> Switches that comply with Standard for Switches for Appliances – Part 1: General Requirements, UL 61058-1, shall be rated as specified in 27.9 – 27.11.
27.9		<i>New clause added;</i> Power switches shall be rated as follows: a) For a voltage not less than the rated voltage of the appliance; b) For a current not less than the rated current of the appliance; c) For Continuous Duty; d) With respect to load: 1) Switches for motor-operated appliances: for resistance and motor load if the switch would encounter this load in normal use; or 2) Switches may be regarded as switches for a declared specific load and may be classified based upon the load conditions encountered in the appliance under normal load. e) For ac if the appliance is rated for ac; f) For dc if the appliance is rated for dc.
27.10		Ratings and load classifications for switches other than power switches shall be based on the conditions encountered in the appliance under normal load.

Clause	Verdict	Comment
27.11		<p>Switches shall also be rated with respect to endurance as follows:</p> <ul style="list-style-type: none"> a) Power switches: 6000 cycles; b) Power switches provided with series electronics shall be subject to an additional 1000 cycles of operation with the electronics bypassed; c) Switches other than power switches, such as speed selector switches, that may be switched under electrical load: 1000 cycles; d) The following non-power switches are not required to be rated for endurance: <ul style="list-style-type: none"> 1) 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 2) Switches for 20 mA load as classified in the Standard for Switches for Appliances – Part 1: General Requirements, UL 61058-1.
29		<p><i>New section added;</i></p> <p>Electronic Circuits Evaluated to UL 60335-1 Based Requirements</p> <p>This new section includes new construction and evaluation requirements for Electronic Circuits evaluated to UL 60335-1 (see standard for section details).</p>
46		<p><i>New section added;</i></p> <p>Tests for Circuits Evaluated to UL 60335-1 Based Requirements</p> <p>This new section includes new Tests for Circuits Evaluated to UL 60335-1 (see standard for section details).</p>
--	--	New/Revised Requirements for Revision Date December 2, 2016
--	--	<i>6.3A Requires products provided with lithium coin batteries to be evaluated for containment of these batteries (construction review and testing) to requirements in UL 4200A. Certain products are exempt from these requirements where the battery is not accessible, not intended to be replaced and not referenced in instructions and markings.</i>
6.3A		<p><i>New section added;</i></p> <p>Button or coin cell batteries of lithium technologies</p>

Clause	Verdict	Comment
6.3A.1		<p>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:</p> <ul style="list-style-type: none"> 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. <p><i>Exception: Not applicable to appliances and accessories intended for use where the battery is no intended to be replaced and is not referenced in instructions and markings.</i></p>
--	--	New/Revised Requirements for Revision Date February 3, 2017
25A.4		<p><i>New section added;</i></p> <p>Parts subject to pump pressure</p>
25A.4.1		A part of an appliance that is subjected to water pressure generated only by pumps integral to the appliance during normal or anticipated abnormal operation shall withstand a pressure corresponding to 1.5 times the maximum working pressure, or 1.5 times the maximum setting of a pressure relief device, whichever is greater.
		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.