



**Summary of Substantive Changes
between the 2011 edition and update dated March 14, 2014 of
UL 1951 “Standard for Safety - Electric Plumbing Accessories”**

Presented to the IAPMO Standards Review Committee on April 7, 2014

General: The changes to this standard might have an impact on currently listed products. The substantive changes are:

- Editorially revised the scope to include pedicure spas as an example of equipment covered (see Section 1.1)
- Added flag-type tags as acceptable marking media and included testing requirements for the tags (see New Sections 37.3 through 37.13)
- Decreased the allowable leakage current from 0.75 mA to 0.5 mA for unfixed grounded 3-wire appliances and ungrounded 2-wire appliances. (see Section 40.1)
- Added specific requirements for pedicure spas and toilets with electric flushing features (see new Sections 59 through 67)

Section 1, Scope: Expanded the scope to include pedicure spas as follows:

1.1 These requirements cover equipment connected to or used with plumbing in commercial or household locations. Examples of equipment covered by these requirements are irrigation equipment, sprinkler controls, [pedicure spas](#), water controls located in kitchens and bathrooms, electric faucets, and toilet flushing systems. All equipment is intended for installation and use in accordance with the National Electrical Code, NFPA 70, and is rated 600 volts or less.

Section 4.13, Opposite Polarity: Added a definition for the pedicure spa as follows:

[4.13.1 PEDICURE SPA – An appliance intended for water immersion of feet, usually \(but not necessarily\) associated with professional pedicure services. A pedicure spa usually has a water circulation/foot massage function and a water heater, and may additionally have heat and massage functions in an integral chair. A pedicure spa may be portable, stationary or be intended to be permanently fixed in place.](#)

Section 37, Permanence of Marking: Added flag-type tags as acceptable marking media and included requirements for testing flag-type tags in sections 37.5-37.13 as follows:

[37.3 The cautionary markings specified in 58.4 and 63.1.1 may be provided in the form of a flag-type tag with an adhesive back...](#)

[37.4 To determine compliance with 37.3 representative tags that have been subjected to the tests described in 37.5 – 37.13 shall meet the following requirements...](#)

Section 40, Leakage Current Test: Decreased the allowable leakage current from 0.75 mA to 0.5 mA for unfixed grounded 3-wire appliances and ungrounded 2-wire appliances as follows:



40.1 The leakage current of cord-and-plug-connected equipment rated for a nominal 120-, 208-, or 240-volt supply when tested in accordance with 40.3 – 40.8 shall not be more than ~~0.75 milliamperes~~:

- a) 0.5 mA for an ungrounded 2-wire appliance;
- b) 0.5 mA for a grounded 3-wire portable appliance; and
- c) 0.75 mA for a grounded 3-wire stationary or fixed-in-place appliance;
 - 1) Employing a standard attachment plug rated 20 A or less; and
 - 2) Intended to be fastened in place or located in a dedicated space.

PART II, Specific Equipment: Added Requirements for Commercial Pedicure Spas and Toilets with Electric Flushing Features. The following new sections were added:

COMMERCIAL PEDICURE SPAS

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60 Scope

61 Construction

62 Performance

63 Markings

TOILETS WITH ELECTRIC FLUSHING FEATURES

64 General

65 Construction

66 Performance

67 Markings