

## Standard Information

**This SUN establishes the Continuing Certification approach to Electrically Operated Valves**

**Standard Number:** UL 429

**Standard Name:** Standard for Electrically Operated Valves

**Standard Edition and Issue Date:** 7<sup>th</sup> Edition Dated November 6, 2013

**Date of Issue:** November 6, 2013

**Date of Previous Revision of Standard:** 6<sup>th</sup> Edition Revised January 6, 2010

## Effective Date of New/Revised Requirements

**Effective Date:** **No action is required for currently certified products to maintain certification.**

**This SUN is being presented to assist users of the standard to appreciate the significance of the changes made to the standard that will apply should the product described be modified after October 19, 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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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:** This new edition of UL 429 is being issued to adopt the proposed revisions to the scope, definitions, materials, fluid connections, enclosures, and numerous revisions to the performance requirements including the addition of sections 48 – 55. .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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
2.4.1		Specific Requirements for Automotive Valves are added Action required: Tests required if this clause applies.
2.5		Requirements for Marine Valves are added in Supplement SA. Action required: Tests required if this clause applies.
5.2.8		Removed the requirement for visual indicator to be visible from 5 feet. Action required: Tests required if this clause applies.
6.3		New requirements for Synthetic Rubber Materials Action required: Test required if this clause applies.
6.4		New Corrosion Protection Requirements Action required: Test required if this clause applies.
6.5		New requirements for Insulating Materials Action required: Test required if this clause applies.
7.1 Exception		Allows other than NPT type threads Action required: Additional Marking Required if this clause applies.
7.2		Updated flange connection requirements Action required: Review Construction.
7.4		Added requirements for valves with tube fitting connections Action required: Review Construction.
7.5		Added requirements for solder joint connections Action required: Review Construction.
7.6		Added requirements for welding joints Action required: Review Construction.
16.3		Added clause to ensure ground continuity is addressed for polymeric enclosures with more than one conduit opening. Action required: Review Construction.

Clause	Verdict	Comment
19.3		Requirements for Insulation systems rated higher than Class 105 (A) shall comply with UL 1446. Action required: Review Construction.
34		Removed External Leakage Tests and replaced with Hydrostatic Strength Tests Action required: Test required if this clause applies.
39.6		Following the Burnout Test, samples are to be baked in the oven for four hours, and then within 2 minutes of removal, subjected to a Dielectric Voltage Withstand Test Action required: Test required if this clause applies.
48		Added Printed Wiring Board Abnormal Operation Test Action required: Test required if this clause applies.
49		Added Sight Glass Impact Test Action required: Test required if this clause applies.
50		Added Sight Glass Temperature Shock Test Action required: Test required if this clause applies.
51		Added Dimensional Stability Test Action required: Test required if this clause applies.
52		Added Coil Retainer Impact Test Action required: Test required if this clause applies.
53		Added Coil Retainer Mechanical Strength Test Action required: Test required if this clause applies.
54		Added Accelerated Hydrogen Pressure Aging Test Action required: Test required if this clause applies.
55		Added Clamped Insulating Joints in Lieu of Spacings Test Action required: Test required if this clause applies.
56.2		Addition of manufacturing and production test requirement for valves with solid-state components to permit jumpering out or bypassing grounded components for production line Dielectric Voltage Withstand Test Action required: Test required if this clause applies.
58.7		Added Marking requirement for refrigeration valves Action required: Additional Marking Required if this clause applies.
58.16		Added Marking requirement for valves with other than NPT pipe threads Action required: Additional Marking Required if this clause applies.
SA4.4		Addition of Hydrostatic Strength Test after Salt Spray Fog Test Action required: Test required if this clause applies.

Clause	Verdict	Comment
		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.