

Subject 842

September 15, 2017

SUMMARY OF TOPICS

The following change in requirements to the Standard for Valves for Flammable Fluids, UL 842, is being proposed:

1. Clarification of valves subjected to the fire test

2. Clarification of time required for the external leakage test

STP BALLOTS AND ALL COMMENTS DUE: October 16, 2017

For your convenience in review, proposed additions to existing requirements are shown underlined.

1. Clarification of valves subjected to the fire test

RATIONALE

Proposal submitted by: Edgar Wolff-Klammer, Underwriters Laboratories, LLC

There has been confusion on which valves need to have a fire test. This proposal is to clarify which valve shall be subjected to the fire test.

PROPOSAL

PERFORMANCE

11 General

11.8 A valve provided with a fusible element or other device that will close the valve automatically when subjected to heat or fire shall be subjected to the Fire Test.

2. Clarification of time required for the external leakage test

RATIONALE

Proposal submitted by: Edgar Wolff-Klammer, Underwriters Laboratories, LLC

Clarification of time is required for the external leakage test in sections 13.1, 13.2 and 13.4. Currently they do not state the time required to hold the test pressure.

PROPOSAL

PERFORMANCE**13 External Leakage Test****13.1 Fuel gas valves**

13.1.4 All external leakage tests employing a gas as the test medium are to be maintained for at least 1 minute.

13.2 Fuel gas valves intended to discharge to atmosphere

13.2.3 All external leakage tests employing a gas as the test medium are to be maintained for at least 1 minute.

13.4 Liquid handling valves

13.4.3 All external leakage tests employing a liquid as the test medium are to be maintained for at least 5 minutes.

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