

Subject 260

April 27, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Safety for Dry Pipe and Deluge Valves for Fire-Protection Service, UL 260, are being proposed:

1. Clarifications on Valve Trim Accessories and Friction Loss

2. Pipe Size Extension

STP BALLOTS AND ALL COMMENTS DUE: May 28, 2018

If you are interested in applying for STP 260 membership or are aware of potential candidates for this STP, please contact the STP Project Manager, griff.edwards@ul.com.

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Clarifications on Valve Trim Accessories and Friction Loss

RATIONALE

Proposal submitted by: Jeff Hebenstreit, UL LLC

The proposed revisions clarify the following:

- That valve trim accessories shall be provided with the valve
- That the installation instructions shall indicate the limitations and friction loss values from testing where the valve exceeds the 3 psi friction loss requirement from flow testing

PROPOSAL

~~17 Priming Water~~

~~Section 17 deleted July 6, 2007~~

(NEW)

17 Valve Trim Accessories

17.1 The valve shall be provided with the necessary trim accessories, such as shutoff valves, drains, and fittings.

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34 Installation Instructions and Trim Drawings

34.1 Installation instructions shall be provided with each valve assembly. The instructions shall include:

- a) An illustration showing the valve trim as specified by the Standard for the Installation of Sprinkler Systems, ANSI/NFPA 13,
- b) Pilot characteristics (as determined in 26.8),
- c) Cross-section assembly views to explain the valve operation. The valve trim drawing shall specify the type of accessories (that is, shutoff valves, drains, fittings, and the like) for use as trim, and
- d) Minimum operating pressure, when the service pressure required to flow water into the system exceeds 5 psi (34.47 kPa).
- e) Where a valve exceeds the 3 psi hydraulic friction loss requirement in Section 28, the manufacturer shall indicate in the installation instructions that the device is to be used only in hydraulically calculated systems. The instructions shall include the observed friction loss from testing stated as equivalent feet-of-pipe of a size equal to that of the valve.

2. Pipe Size Extension

RATIONALE

Proposal submitted by: Reuven Perez, Bermad Inc.

Presently the UL 260 Standard covers valves up to and including 12 in size. The fire protection market needs a solution for larger sizes. This Proposal is to extend Paragraph 6.1 of the UL 260 to include sizes up to and including 16 in valve sizes.

PROPOSAL

6.1 Valves covered by these requirements include sizes 1 – ~~12~~16 inches (25.4 – ~~305~~406 mm), inclusive.

Table 25.1
Additional valve compression force

Valve pipe size, inches	Pounds-force	(N)
2	153	(680)
2-1/2	236	(1050)
3	323	(1437)
4	489	(2175)
6	944	(4199)
8	1507	(6703)
10	2237	(9950)
<u>12</u>	<u>3069</u>	<u>(13647)</u>
<u>14</u>	<u>4036</u>	<u>(17948)</u>
<u>16</u>	<u>5132</u>	<u>(22822)</u>

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