

Subject 1468

March 9, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Safety for Direct Acting Pressure Reducing and Pressure Restricting Valves, UL 1468, are being proposed:

1. Clarifications for Pressure Restricting Valves

STP BALLOTS AND ALL COMMENTS DUE: April 9, 2018

If you are interested in applying for STP 1739 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 for Pressure Restricting Valves

RATIONALE

Proposal submitted by: Jeff Hebenstreit, UL LLC

The proposed revisions clarify the pressure and flow requirements for pressure restricting valves.

PROPOSAL

8 Rated Inlet Pressure

8.1 A pressure reducing valve shall be constructed for use at a rated inlet pressure of 175 psig (1210 kPa) or greater.

8.2 A pressure restricting valve shall ~~not be constructed for use at~~ have a rated inlet pressure ~~exceeding of~~ 175 psig (1210 kPa).

10 Outlet Pressure Settings – Valves Intended for Standpipe System Outlets

10.1 A pressure reducing valve intended for standpipe system outlets shall be constructed to incorporate a referenced setting or settings to provide static outlet pressures not exceeding 100 psig (691 kPa) for 1-1/2 NPS outlets and 175 psig (1210 kPa) for 2-1/2 NPS outlets and residual outlet pressures at the flows specified in Table 10.1.

Table 10.1
Valve Pressure Reducing Valves - residual inlet and outlet pressures

Residual inlet pressure, psig	Outlet size, NPS	Residual outlet pressure, psig @ flow rate
> 100	1-1/2	≥ 65 and ≤ 100 @ ≥ 100 gpm
> 175	2-1/2	≥ 100 and ≤ 175 @ ≥ 250 gpm

(NEW)

10.2 A pressure restricting valve intended for standpipe system outlets shall be constructed to incorporate a referenced setting or settings to provide residual outlet pressures flows specified in Table 10.2.

(NEW)
Table 10.2
Pressure Restricting Valves - residual inlet and outlet pressures

<u>Residual inlet pressure, psig</u>	<u>Outlet size, NPS</u>	<u>Residual outlet pressure, psig @ flow rate</u>
≤ 175	1-1/2	≥ 65 and ≤ 100 @ ≥ 100 gpm
≤ 175	2-1/2	≥ 100 and ≤ 175 @ ≥ 250 gpm

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