

**INTERPRETATION IC 15-2001-5 OF
ANSI/ASHRAE STANDARD 15-2001
SAFETY CODE FOR MECHANICAL REFRIGERATION**

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Request from: Mr. Gene Troy (e-mail: gene_troy@iiar.org), International Institute of Ammonia Refrigeration, 1110 North Glebe Road, Suite 250, Arlington, VA 22201.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 15-2001, Appendix H.

Background: This request for interpretation refers to Joe Pillis' earlier request for interpretation: "When using equation 1 or 2 from Appendix H to calculate the allowable equivalent length of discharge piping, (L), leaving many standard refrigeration safety relief valves, the calculated length may be very short, or a negative number when the outlet diameter of the relief device is used as the inside diameter of the pipe or tube, (d).

Interpretation: The language used in Joe Pillis' interpretation was slightly ambiguous, as it did not specify exactly which "d" was to be used in calculating the allowable equivalent length. My interpretation is as follows:

"When equation 1 or 2 yields a negative calculated equivalent length or an insufficient length to connect to the atmosphere, in accordance with 9.7.8, the standard allows a transition to a larger pipe diameter ("d" in equations 1 and 2) at the outlet of the relief device, provided that the equivalent length of the transition plus the length of the larger discharge piping is less than the calculated allowable equivalent length ("L"), computed using the larger pipe diameter ("d")."

Question: Is this Interpretation correct?

Answer: Yes.