

**INTERPRETATION IC 15-2022-3 OF  
ANSI/ASHRAE STANDARD 15-2022  
SAFETY STANDARD FOR REFRIGERATION SYSTEMS**

Date Approved: February 23, 2024

**Request from:** Jeremy Tidd, Mitsubishi Electric US, Inc., 1340 Satellite Blvd., Suwanee, GA 30024.

**Reference:** This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 15-2022, Section 7.3.4.3, regarding releasable charge determination.

**Background:** Equation 7-6 uses the density of the refrigerant in each section of pipe downstream of the safety shutoff valve, but it is unclear how the density of the refrigerant will be determined.

**Interpretation #1:** Because the definition of  $V_{\text{pipe}}$  includes “each section,” refrigerant quality and quantity in liquid piping, vapor piping and coils are to be considered separately.

**Question #1:** Is this Interpretation correct?

**Answer #1:** Yes

**Interpretation #2:** The refrigerant density to be used in this calculation may be provided by the equipment manufacturer per the product listing.

**Question #2:** Is this Interpretation correct?

**Answer #2:** Yes