

**INTERPRETATION IC 15-1992-6 OF
ANSI/ASHRAE STANDARD 15-1992
SAFETY CODE FOR MECHANICAL REFRIGERATION**

August 4, 1993

Request from: Daniel Kramer, 2009 Woodland Drive, Yardley, PA 19067

References. This request refers to Standard 15-1992, Table 2, 7.4.1 and 7.4.2.

Background.

Subsection 7.4.1 Equipment Applied in a High-Probability System reads:

"In addition to the provisions of Section 2.4, equipment with refrigerant charge not exceeding 6.6 lb (3 kg) and listed (see Section 3, "Definitions") is deemed to meet the system application requirements when the equipment is installed in accordance with the listing specification."

Table 2, System Application Requirements, fourth column, list numbers indicating application rules for Public Assembly, Residential and Commercial occupancies. For Refrigerant Groups A3 and B3, Rule 9 applies.

Subsection 7.4.2 General System Application Requirements, Rule 9, reads:

"9. Use of these refrigerants is prohibited except in laboratories in commercial occupancies. Only unit systems containing not more than 6.6 lb (3 kg) of Group A3 and B3 refrigerant shall be used unless the laboratory is occupied by less than one person per 100 ft² (9.3 m²) of floor area, in which case the requirements of industrial occupancies shall apply."

Mr. Kramer's letter opines that 7.4.1 appears to allow use of Group A3 and B3 refrigerants under certain conditions, yet Rule 9 appears to prohibit use of these refrigerants for all Public Assembly, Residential, Residential and Commercial Occupancies except laboratories in commercial occupancies.

Mr. Kramer's letter interprets that a window air-conditioner or a residential air-conditioner or heat pump using Group A-3 or B-3 refrigerant would be permitted under the requirements of the standard if it contained 6.6 pounds or less of refrigerant and had been "listed" for this use by an approved nationally recognized testing laboratory such as Underwriters Laboratories.

Question. Is Mr. Kramer's Interpretation correct?

Answer. Yes