



Designation: ~~D7122~~—~~11~~ D7122 – 17

Standard Specification for HCFC Blend B (CF₃CCl₂H, Ar, and CF₄)¹

This standard is issued under the fixed designation D7122; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reappraisal. A superscript epsilon (ε) indicates an editorial change since the last revision or reappraisal.

1. Scope

- 1.1 This specification covers requirements for HCFC Blend B as a fire-fighting medium.
- 1.2 This specification does not address the fire-fighting equipment or hardware that employs HCFC Blend B or the conditions of employing such equipment (for example, handhelds, fixed installations, etc.).
- 1.3 This specification does not address the storage or transportation of HCFC Blend B. Storage, handling, and transportation issues are addressed in Practice [D7123](#).
- 1.4 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.
- 1.5 The following safety hazards caveat pertains only to the test methods portion, Section 6, of this specification: *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.* Specific hazards statements are given in [Section 4.5](#).

2. Referenced Documents

- 2.1 *ASTM Standards*:²
[D6806 Practice for Analysis of Halogenated Organic Solvents and Their Admixtures by Gas Chromatography](#)
[D7123 Practice for Handling, Transportation, and Storage of HCFC Blend B \(CF₃CCl₂H, Ar, and CF₄\)](#)
- 2.2 *ISO Standard*:³
[ISO 3427 Gaseous Halogenated Hydrocarbons \(Liquefied Gases\)—Taking of a Sample](#)
- 2.3 *ASHRAE Standard*:⁴
[ASHRAE 34 Designation and Safety Classification of Refrigerants](#)
- 2.4 *U.S. Government Standard*:⁵
[CFR Title 49, Part 172, Subpart D, U.S. Department of Transportation \(DOT\), Marking Requirements of Packaging for Transportation](#)
- 2.5 *AHRI Standard*:⁶
[2008 Appendix C Analytical Procedures for AHRI Standard 700-2006-700-2014](#)

3. Terminology

- 3.1 *Definitions of Terms Specific to This Standard*:
 - 3.1.1 *HCFC*—hydrochlorofluorocarbon; a chemical compound in which the compound molecule is comprised exclusively of hydrogen, chlorine, fluorine and carbon atoms.

¹ This specification is under the jurisdiction of ASTM Committee [D26](#) on Halogenated Organic Solvents and Fire Extinguishing Agents and is the direct responsibility of Subcommittee [D26.09](#) on Fire Extinguishing Agents.

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² For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from American National Standards Institute, 11 W. 42nd St., 13th Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036-10036, <http://www.ansi.org>.

⁴ Available from American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE), 1791 Tullie Circle, NE, Atlanta, GA 30329-30329, <http://www.ashrae.org>.

⁵ Available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20036; U.S. Government Publishing Office (GPO), 732 N. Capitol Street, NW, Washington, DC 20401-0001, <http://www.gpo.gov>.

⁶ Available from Air-Conditioning, Heating, and Refrigeration Institute, 2111 Wilson Blvd., Suite 500, Arlington, VA 22201-22201, <http://www.ahrinet.org>.