



Designation: **D7327—07 D7327 – 12**

Standard Specification for HFC Blend B (CH₂FCF₃, CHF₂CF₃, and CO₂)¹

This standard is issued under the fixed designation D7327; 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 HFC Blend B as a fire-fighting medium.

1.2 This specification does not address the fire-fighting equipment or hardware that employs HFC 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 HFC Blend B. Storage, handling, and transportation issues are addressed in Practice [D7326](#).

1.4 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are ~~for information only~~ mathematical conversions to SI units that are provided for information only and are not considered standard

1.5 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 cautionary statements are given in Section 4.

2. Referenced Documents

2.1 *ASTM Standards:*²

[D7326 Practice for Handling, Transportation, and Storage of HFC Blend B \(CH₂FCF₃, CHF₂CF₃, and CO₂\)](#)

~~[D2109 Test Methods for Nonvolatile Matter in Halogenated Organic Solvents and Their Admixtures](#)~~

~~[D3401 Test Methods for Water in Halogenated Organic Solvents and Their Admixtures](#)~~

~~[D3444 Test Method for Total Acid Number of Trichlorotrifluoroethane](#)~~

[D6806 Practice for Analysis of Halogenated Organic Solvents and Their Admixtures by Gas Chromatography](#)

2.2 *ISO Standards:*³

~~[ISO 3363 Fluorochlorinated Hydrocarbons for Industrial Use—Determination of Acidity—Titrimetric Method](#)~~

~~[ISO 3427 Gaseous Halogenated Hydrocarbons \(Liquefied Gases\)—Taking of a Sample](#)~~

~~[ISO 5789 Fluorinated Hydrocarbons for Industrial Use—Determination of Nonvolatile Residue](#)~~

2.3 *ASHRAE Standard:*⁴

[ASHRAE 34 Designation and Safety Classification of Refrigerants](#)

2.4 *U.S. Government Standards:*⁵

[CFR Title 49, Part 172, Subpart D, U.S. Department of Transportation \(DOT\), Marking Requirements of Packaging for Transportation](#)

[CFR Title 49, Part 172.101 Tables of Hazardous Materials and Special Provisions](#)

2.5 *AHRI Standards:*⁶

[2008 Appendix C for Analytical Procedures for AHRI Standard 700-2006](#)

3. Terminology

3.1 *Definitions of Terms Specific to This Standard:*

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.

Current edition approved April 1, 2007; Sept. 1, 2012. Published April 2007/October 2012. Originally approved in 2007. Last previous edition approved in 2007 as [D7327-07](#). DOI: [10.1520/D7327-07.10.1520/D7327-12](#).

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 Floor, New York, NY 10036.

⁴ Available from American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc. (ASHRAE), 1791 Tullie Circle, NE, Atlanta, GA 30329.

⁵ Available from Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20036.

⁶ Available from Air-Conditioning, Heating, and Refrigeration Institute, 2111 Wilson Blvd., Suite 500, Arlington, VA 22201.