



Standard on Carbon Dioxide Extinguishing Systems

2018



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NFPA® 12

Standard on

Carbon Dioxide Extinguishing Systems

2018 Edition

This edition of NFPA 12, *Standard on Carbon Dioxide Extinguishing Systems*, was prepared by the Technical Committee on Gaseous Fire Extinguishing Systems. It was issued by the Standards Council on November 10, 2017, with an effective date of November 30, 2017, and supersedes all previous editions.

This edition of NFPA 12 was approved as an American National Standard on November 30, 2017.

Origin and Development of NFPA 12

Work on this standard was initiated in 1928 by the Committee on Manufacturing Risks and Special Hazards. The standard was first adopted in 1929 and was revised in 1933, 1939, 1940, 1941, 1942 (January and May), 1945, 1946, 1948, 1949, 1956, 1957, 1961, 1962, 1963, 1964, 1966, 1968, 1972, 1973, 1977, and 1980. Revisions adopted between 1945 and 1949 were proposed by the Committee on Special Extinguishing Systems, and those in 1956 and subsequent revisions were proposed by the Committee on Carbon Dioxide. The standard was revised in 1985 and 1989.

The standard was completely rewritten for the 1993 revision to more clearly state the requirements and to separate the mandatory requirements from the advisory text in an effort to make the document more usable, enforceable, and adoptable.

The standard was revised for the 1998 edition and again in 2000 in order to add a new chapter for marine systems.

The 2005 edition of this standard was revised with a focus on safety.

The 2008 edition of the standard was a partial revision.

The 2015 edition incorporated a general update of references and other minor improvements. In addition, a new system acceptance report was added to permit compliance with the commissioning procedures of NFPA 3.

The 2018 edition introduces a new requirement to conduct testing of integrated fire protection and life safety systems in accordance with NFPA 4. In addition, a new section on pipe hangers and supports and a new annex section on full discharge testing have also been added. Finally, the equivalency statement was revised to use the standard text, which specifies that the authority having jurisdiction is responsible for approving an equivalent system, method, or device.

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Inc., Italy [M]

2018 Edition

Committee Scope: This committee shall have primary responsibility for documents on the installation, maintenance, and use of carbon dioxide systems for fire protection.

This committee shall also have primary responsibility for documents on fixed fire extinguishing systems utilizing bromotrifluoromethane and other similar halogenated extinguishing agents, covering the installation, maintenance, and use of systems.

This committee shall also have primary responsibility for documents on alternative protection options to Halon 1301 and 1211 fire extinguishing systems. It shall not deal with design, installation, operation, testing, and maintenance of systems employing dry chemical, wet chemical, foam, aerosols, or water as the primary extinguishing media.

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