



FXHV.GuidelInfo Carbon Dioxide Extinguishers

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[Page Bottom](#)

[Extinguishers and Extinguishing System Units] Carbon Dioxide Extinguishers

[See General Information for Extinguishers and Extinguishing System Units](#)

GENERAL

This category covers carbon dioxide extinguishers, which are portable appliances intended for operation over a temperature range of -22°F to 120°F, unless otherwise noted in the individual Listings.

Hand-held portable extinguishers are provided with a self-closing shutoff nozzle or control valve and may also utilize a hose or horn as a means of directing the discharge. They are provided with a carrying handle for portability and a wall hook or bracket for mounting. Wheeled-type extinguishers are mounted on a carriage for portability and provided with a hose and horn to direct the discharge and shutoff nozzle at the end of the hose.

Carbon dioxide is electrically nonconductive and, in suitable proportions, is effective on Class B and C fires. Carbon dioxide used as an extinguishing agent displaces the air and depletes the available oxygen in the area of discharge. Operators and others in the area of extinguisher discharge should take precautions to avoid the effects, which may be caused by breathing the discharged gas and the gases liberated or produced by the fire, especially in unventilated places such as small rooms, closets or confined spaces.

The fire-extinguishing classifications are developed at normal ambient temperature of approximately 70°F. Extinguisher effectiveness may be reduced at lower temperatures.

These extinguishers are intended to be selected, installed, inspected, maintained and tested in accordance with the applicable requirements of ANSI/NFPA 10, "Portable Fire Extinguishers."

PRODUCT IDENTITY

The following product identity appears on the product:

Carbon Dioxide Fire Extinguisher - Classification [classification letter(s) and number(s)]

RELATED PRODUCTS

See Extinguishers, Carbon Dioxide, Portable, Marine ([GOYZ](#)).

ADDITIONAL INFORMATION

For additional information, see Extinguishers and Extinguishing System Units ([FWFZ](#)) and Fire Protection Equipment ([AAFP](#)).

REQUIREMENTS

The basic standards used to investigate products in this category are [ANSI/UL 154](#), "Carbon-Dioxide Fire Extinguishers," and [ANSI/UL 711](#), "Rating and Fire Testing of Fire Extinguishers."

UL MARK

The Certification Mark of UL on the product is the only method provided by UL to identify products manufactured under its Certification and Follow-Up Service. The [Certification Mark](#) for these products includes the UL symbol, the words "CERTIFIED" and "SAFETY," the geographic identifier(s), and a file number.

Alternate UL Mark

The Listing Mark of UL on the product is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and the product name "Carbon Dioxide Fire Extinguisher - Classification _____."

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