

**§ 145.05**

basis, approved type portable fire extinguishers and/or approved type semi-portable fire extinguishers are required to be installed and maintained only when crews are working thereon.

[CGFR 56-4, 21 FR 903, Feb. 9, 1956]

**§ 145.05 Classification of fire extinguishers.**

(a) Portable and semi-portable extinguishers shall be classified by a combination letter and number symbol. The letter indicating the type of fire which the unit could be expected to extinguish, and the number indicating the relative size of the unit.

(b) The types of fire will be designated as follows:

(1) "A" for fires in ordinary combustible materials where the quenching and cooling effects of quantities of water, or solutions containing large percentages of water, are of first importance.

(2) "B" for fires in flammable liquids, greases, etc., where a blanketing effect is essential.

(3) "C" for fires in electrical equipment where the use of a non-conducting extinguishing agent is of first importance.

(c) The number designations for size will start with "I" for the smallest to "V" for the largest. Sizes I and II are considered portable extinguishers. Sizes III, IV and V are considered semi-portable extinguishers which shall be fitted with suitable hose and nozzle or

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other practicable means so that all portions of the space concerned may be covered. Examples of size graduations for some of the typical portable and semi-portable extinguishers are set forth in Table 145.05(c).

TABLE 145.05(c)—PORTABLE AND SEMI-PORTABLE EXTINGUISHERS

Classification		Soda-acid and water, gallons	Foam, gallons	Carbon dioxide, pounds	Dry chemical, pounds
Type	Size				
A .....	II .....	2½	2½		
B .....	II .....	.....	2½	15	10
C .....	II .....	.....	.....	15	10
B .....	V .....	.....	40	100	50

(d) All portable and semi-portable extinguishers shall have permanently attached thereto a durable name plate giving the name of the item, the rated capacity in gallons or pounds, the name and address of the person or firm for whom approved, and the identifying mark of the actual manufacturer.

[CGFR 56-4, 21 FR 903, Feb. 9, 1956, as amended by CGFR 58-28, 23 FR 6880, Sept. 6, 1958]

**§ 145.10 Locations and number of fire extinguishers required.**

(a) Approved portable and semi-portable extinguishers shall be installed in accordance with Table 145.10(a).

(b) Semi-portable extinguishers shall be located in the open so as to be readily seen.

TABLE 145.10(A)—PORTABLE AND SEMI-PORTABLE EXTINGUISHERS

Space	Classification	Quantity and location
SAFETY AREAS		
Communicating corridors .....	A-II .....	1 in each main corridor not more than 150 feet apart. (May be located in stairways.)
Radio room .....	C-II .....	1 in vicinity of exit.
ACCOMMODATIONS		
Sleeping accommodations .....	A-II .....	1 in each sleeping accommodation space. (Where occupied by more than 4 persons.)
SERVICES SPACES		
Galleys .....	B-II or C-II .....	1 for each 2,500 square feet or fraction thereof for hazards involved.
Storerooms .....	A-II .....	1 for each 2,500 square feet or fraction thereof located in vicinity of exits, either inside or outside of spaces.
MACHINERY SPACES		
Gas-fired boilers .....	B-II (CO <sub>2</sub> or dry chemical).	2 required.
Gas-fired boilers .....	B-V .....	1 required. <sup>1</sup>
Oil-fired boilers .....	B-II .....	2 required.
Oil-fired boilers .....	B-V .....	2 required. <sup>1</sup>
Internal combustion or gas turbine engines .....	B-II .....	1 for each engine. <sup>2</sup>