

10 44 16 – Fire Extinguishers

1. General

- A. Fire extinguishers must be approved by the Duke University Occupational and Environmental Safety Office (OESO).
- B. To maintain standardization, reduce inventory, minimize confusion and ensure compliance with Fire Code, the OESO-Fire Safety Division requires that the number, location, size and type of extinguishers to be utilized be approved by their office prior to installation.
- C. Contractors will adhere to recommendations by City of Durham Fire Marshal concerning extinguisher placement and size in new installations. No substitutions are authorized without the prior written permission of the OESO-Fire Safety Division.
- D. When required, OESO will provide the appropriate extinguishers to the Contractors for installation and charge the cost back to the project or the Contractors may purchase the extinguishers from the agent of their choice.
- E. All installations must comply with ADA requirements for reach ranges and protruding objects, ADAAG 4.2 and 4.4 respectively.
- F. OESO is generally responsible for performing required periodic maintenance and inspection of on-campus fire suppression equipment, including extinguishers. However, it is not always practical for OESO to provide this critical service for off-campus equipment or equipment in rented facilities. When installing fire suppression equipment in off-campus and rented facilities, the Project Manager and Owner should consult with OESO to determine the need for an outside service provider to service fire suppression equipment and if necessary, to obtain recommendations for qualified local contractors to provide this service.

2. Fire Extinguisher Types and Models

The OESO-Fire Safety Division has pre-approved the following extinguishers for installation:

- A. Class A (Water) Extinguishers:
 1. 2 ½ gal: Amerex, Model 240
- B. Class BC (Carbon Dioxide) Extinguishers:
 1. 5 lb: Amerex, Model 322
 2. 10 lb: Amerex, Model 330
 3. 15 lb: Amerex, Model 331

4. 20 lb: Amerex, Model 332

C. Class ABC (Multipurpose Dry Powder) Extinguishers:

1. 2 ½ lb: Amerex, Model A417T

2. 5 lb: Amerex, Model A500

3. 10 lb: Amerex, Model B456

4. 20 lb: Amerex, Model A411

D. Water Mist Extinguishers:

1. 2 ½ gal: Amerex, Model 272

E. Class K Extinguishers:

1. 6 liter: Amerex, Model 260

2. 2 ½ gal: Amerex, Model 262

F. Clean Agent Extinguishers:*

1. 14 lb: Pyro-Chem, Model PC 14HA

(*Note: Halon 1211 and Halotron extinguishers are currently being phased out and future installations of Halon 1211 extinguishers or Halotron extinguishers will not be approved.)