

**CORVALLIS FIRE DEPARTMENT
DEPARTMENTAL OPERATING GUIDELINES**

**D.O.G. 11.2.6
DATE: 05/21/2003**

REQUIREMENT FOR FIRE EXTINGUISHERS

PURPOSE

To outline the requirements and appropriate locations for fire extinguishers in both new and existing occupancies.

SCOPE

According to the City Fire Code (CMC 7.08), which adopts requirements in the Uniform Fire Code and Uniform Fire Code Standard 10-1, all occupancies in the City of Corvallis (except one- and two-family dwellings) are required to have fire extinguishers mounted in readily accessible and visible locations. Prior to receiving a Certificate of Occupancy, new buildings shall have fire extinguishers mounted in locations approved by the Fire Marshal's office. The fire extinguishers shall be inspected on an annual basis in accordance with D.O.G. 11.1.6.

REQUIREMENTS (Ref: UFC Standard 10-1)

1. **General Requirement:**
All businesses and residential occupancies, other than one- and two-family residences, are required to have at least one multi-purpose (Class ABC) fire extinguisher with a minimum rating of 2A:10BC. The extinguisher/s must be located in a readily accessible and visible location, preferably along normal paths of travel, adjacent to exits.

2. **Number of Extinguishers Required:**
 - a. For light (low) hazard occupancies (examples: offices, classrooms, assembly halls), one 2A:10BC fire extinguisher for each 6,000 sq ft of floor area. Maximum travel distance to an extinguisher is 75 feet.
 - b. For ordinary (moderate) hazard occupancies (examples: dining areas, mercantile shops, storage areas, light manufacturing), one 2A:10BC fire extinguisher for each 3,000 sq ft of floor area. Maximum travel distance to an extinguisher is 75 feet.
 - c. For extra (high) hazard structures (examples: automotive repair, processes or storage involving flammable/combustible liquids, woodworking), one 4A:40BC fire extinguisher for each 4,000 sq ft of floor area. Maximum travel distance to an extinguisher is 30 feet. Greater travel distances can be obtained by increasing the rating of the extinguisher. (Refer to Uniform Fire Code Standard 10-1 for detailed information).

3. **Location of Extinguishers:**
In general, locations for fire extinguishers should be selected that will:
 - a. Provide uniform distribution;
 - b. Provide easy accessibility;
 - c. Be relatively free from blocking by storage and equipment or both;
 - d. Be near normal paths of travel;
 - e. Be near entrance and exit doors;
 - f. Be free from the potential of physical damage;
 - g. Be readily visible or appropriately signed;
 - h. Be installed on a floor-by-floor basis.

4. Fire Extinguisher Size and Placement for Cooking Grease Fires:

An approved portable fire extinguisher having a K rating shall be installed within 30 feet of commercial food heat-processing equipment, as measured along an unobstructed path of travel.

EXCEPTION: Extinguishers having a minimum rating of 40-B that have been approved and installed specifically for these hazards prior to June 30, 1998.

5. Mounting Requirements:

In order to meet the accessibility requirements contained in the Oregon Structural Specialties Code, Chapter 11, fire extinguishers shall be mounted so that the top is no higher than 48 inches at front approach and 54 inches at side/parallel approach, and with a minimum clearance of 12 inches off the ground. Fire extinguishers shall be installed on the hangers or in brackets supplied, or mounted in a cabinet. Cabinets housing extinguishers shall not be locked, or shall include a means of emergency access if conditions necessitate that they be locked.

Extinguishers mounted in cabinets or wall recesses shall be placed in a manner such that the extinguisher operating instructions face outward. The location of such extinguishers shall be marked with appropriate signage, so that location can be quickly identified.

Dan Campbell, Fire Chief

Next scheduled review: March, 2006