

Table 4.1: General Requirements of Fire Extinguishers

ITEMS	REQUIREMENTS
3. PLANNING	<p><u>THE FOLLOWING ITEMS SHOULD BE EVALUATED BEFORE SELECTING, INSTALLATION AND DISTRIBUTING PORTABLE FIRE EXTINGUISHERS IN A BUILDING:</u></p> <ul style="list-style-type: none"> i. Area and arrangement of the building occupancy conditions ii. Severity of the hazard iii. Anticipated classes of fire iv. Other protective systems or devices v. Distances to be traveled to reach fire extinguishers vi. Anticipated rate of fire spread vii. Intensity and rate of heat development viii. Smoke contributed by the burning materials ix. Accessibility of a fire to close approach with portable fire extinguishers
4. INSTALLATION	<ul style="list-style-type: none"> i. Portable fire extinguishers shall be maintained in a fully charged and operable condition and shall be kept in their designated places at all times when they are not being used. ii. Fire extinguishers shall be conspicuously located where they will be readily accessible and immediately available in the event of fire. Preferably, they shall be located along normal paths of travel, including exits from areas. iii. Before installing any fire-extinguishing equipment, read and understand the installation and use instructions, including the limitations, cautions, and warnings contained on the equipment and in the owner's manual. iv. Portable extinguishers shall be installed in an accessible spot, free from blocking by storage and equipment, and near room exits that provide an escape route. So that the top of the extinguisher is not more than 1.5 m above the floor and not less than 30 cm from the bottom of extinguisher to the finished floor. v. The extinguisher should be easy to reach and remove and should be placed where it will not be damaged. vi. Portable extinguishers shall be installed on hangers or in the brackets supplied by the manufacturer, mounted in cabinets, or placed on shelves. vii. Extinguishers shall be placed so that the operating instructions on the extinguisher face outward. viii. Fire extinguishers shall not be installed / placed in any areas where the temperatures outside of the listed temperature range shown on the fire extinguisher label. Generally the fire extinguishers are permitted to be installed in the areas where temperatures ranging from 4°C to 49°C. ix. Fire extinguishers cabinets shall not be kept locked in any case with in the facility. While installation, all the fire extinguishers shall be fully charged and ready for use in case of an emergency.



Figure 4.1.: Symbols for Fire Extinguisher Classes