

43—Fire Protection

TABLE 43-B
EXTINGUISHERS SUITABLE FOR CLASS A FIRES

Basic Minimum Extinguisher Rating for Area Specified	Maximum Travel Distances to Extinguishers	Areas To Be Protected per Extinguisher		
		Light Hazard Occupancy	Ordinary Hazard Occupancy	Extra Hazard Occupancy
1A	75 ft	3,000 sq ft	Not permitted Except as Specified*	Not permitted Except as Specified*
2A	75 ft	6,000 sq ft	3,000 sq ft	Not permitted Except as Specified*
3A	75 ft	9,000 sq ft	4,500 sq ft	3,000 sq ft
4A	75 ft	11,250 sq ft	6,000 sq ft	4,000 sq ft
6A	75 ft	11,250 sq ft	9,000 sq ft	6,000 sq ft
10A	75 ft	11,250 sq ft†	11,250 sq ft†	9,000 sq ft
20A	75 ft	11,250 sq ft†	11,250 sq ft†	11,250 sq ft†
40A	75 ft	11,250 sq ft†	11,250 sq ft†	11,250 sq ft†

* The protection requirements specified in this table may be fulfilled by several extinguishers of lower ratings for ordinary or extra hazard occupancies, subject to the approval of the authority having jurisdiction. Consideration should be given to the number of persons available to operate the extinguishers, the degree of training provided, and the possibility of use by women.

† 11,250 sq ft is considered a practical limit.

From National Fire Protection Association Standard No. 10, Table 4110

For flammable liquids of appreciable depth (over $\frac{1}{4}$ in.), such as those in dip or quench tanks

- 1 Class B fire extinguishers should be provided on the basis of one numerical unit of Class B extinguishing potential per square foot of flammable liquid surface of the largest tank to be protected within the area.
- 2 Two or more extinguishers of lower ratings, except for foam extinguishers, shall not be used in lieu of the extinguisher required for the largest tank. Up to three foam extinguishers may be used to fulfill these requirements.
- 3 When protection is sought for flammable liquid in appreciable depth and when the liquid surface area is in excess of 20 square

feet, the protection requirements should be based on an evaluation of the extent of the hazard and engineering judgment applied. Consideration should be given to installing fixed protection and wheeled extinguishers systems. Portable extinguisher protection for such hazards should be generally restricted to plants having trained fire brigades.

- 4 Where approved automatic fire protection devices or systems have been installed for a flammable liquid, additional portable Class B fire extinguishers, as required in paragraph 1, may be waived. When so waived, Class B extinguishers should be provided to protect areas near such protected hazards.
- 5 Travel distances should be given consideration with reference to special hazards and