



Date: May 2002

Subject: Foam Applications for Flammable Liquid Fires Other Than Appreciable Depth (Spill Fires)

The 2010 edition of the portable fire extinguisher standard NFPA-10 identifies class "B" Flammable Liquid Fires of Other than Appreciable Depth, as those fuel hazard situations having potential liquid depths of ¼ inch or less. These fire situations are sometimes also commonly referred to as spill fires.

Under the NFPA-10 fire extinguisher class "B" distribution recommendations, table 6.3.1.1 is provided for guidance regarding minimum fire extinguisher selection and placement requirements. The information printed below, identifies the minimum fire extinguisher "B" ratings required and the maximum travel distances permitted based on the specific occupancy hazard classification being addressed.

Occupancy Hazard	Minimum Rating	Maximum Travel Distance
Light(Low)	5B	30 ft (9.15 m)
	10B	50 ft (15.25 m)
Ordinary (Moderate)	10B	30 ft (9.15 m)
	20B	50 ft (15.25 m)
Extra (High)	40B	30 ft (9.15 m)
	80B	50 ft (15.25 m)

Two special exceptions contained in NFPA-10 paragraphs 6.3.1.3 and 6.3.1.4 allow for multiple foam fire extinguishers to be used to meet and fulfill protection requirements. To simplify all the various application combinations possible, Badger has provided the following F-100 and F-250 foam fire extinguisher model application recommendations.

These recommendations are based upon established Badger foam fire extinguisher model agent capacities, class "B" fire ratings and the 2007 NFPA-10 requirements.

Light (Low) types of Occupancy Hazards

A single Badger F-100 or F-250 Model meets or exceeds class "B" requirements for a 50 foot travel distance.

Ordinary (Moderate) types of Occupancy Hazards

A single Badger F-100 or F-250 Model meets or exceeds class "B" requirements for a 50 foot travel.

Extra (High) types of Occupancy Hazards

Two (2) Badger F-250 Models meet class "B" requirements for having a maximum 30 foot travel

OR

Three (3) Badger F-250 Models meet class "B" requirements for having a maximum 50 foot travel distance.

Additional product information and bulletins regarding foam fire extinguisher application coverage's are available through the Badger web site at www.badgerfire.com