

Table 9.7: Automatic Sprinkler System Requirements

ITEMS	REQUIREMENTS
58. SPRINKLERS AND IN RACK SPRINKLERS SCHEMES AND LAYOUTS	i. Sprinklers and Inrack sprinklers schemes and layouts shall be in accordance with Table 9.7.KK.

Table 9.7.KK.: Sprinkler and In rack sprinkler Schemes and Layouts

SHMES	REQUIREMENTS	SCHEMATIC
1. SCHEME S-A	<p>i. The horizontal barrier shall be 10mm plywood or 22 gauge sheet metal. They shall be spaced as indicated in the figure. In-rack sprinkler shall be provided below each barrier level.</p> <p>ii. Where adjacent rack bays are not dedicated to storage of liquids, the barrier and in-rack sprinkler protection shall be extended at least 8 ft. (2.4 m) beyond the area devoted to liquid storage including aisle.</p> <p>iii. In-rack sprinkler shall be ordinary temperature and quick response type with minimum K Factor of 8.0.</p> <p>iv. In-rack sprinkler design shall be based on 6 most remote sprinklers for one level of in-rack sprinkler or 4 most remote sprinklers for top 2 levels for two levels or more level of in-rack sprinklers.</p> <p>v. Demand per sprinkler shall be 60 gpm</p>	
2. SCHEME S-B	<p>i. Horizontal barrier shall be 10 mm plywood or 22 gauge sheet metal. They shall be spaced as indicated in the figure.</p> <p>ii. In-rack sprinkler shall be provided below each barrier level.</p> <p>iii. Where adjacent rack bays are not dedicated to storage of liquids, the barrier and in-rack sprinkler protection shall be extended at least 8 ft. (2.4 m) beyond the area devoted to liquid storage including aisle.</p> <p>iv. In-rack sprinkler shall be ordinary temperature and quick response type with minimum K Factor of 8.0.</p> <p>v. In-rack sprinkler design shall be based on 6 most remote sprinklers for one level of in-rack sprinkler or 4 most remote sprinklers for top 2 levels, if two levels or more level of in-rack sprinklers.</p> <p>vi. Demand per sprinkler shall be 60 gpm</p>	