

Table 9.7: Automatic Sprinkler System Requirements

ITEMS	REQUIREMENTS
34. DESIGN CRITERIA FOR CLASS I TO IV STORED PALLETIZED TO A HEIGHT OF UP TO 3.7 M AND 6.1 M.	i. The automatic Sprinkler Design criteria for Class I to Class IV stored palletized, solid piled or on shelf with storage height up to 3.7 m shall be as per Table 9.7.M.

Table 9.7.M: Class I to Class IV stored palletized, solid piled or on shelves with storage height up to 3.7

STORAGE ARRANGEMENT	COMMODITY CLASS	MAXIMUM STORAGE HEIGHT	REQUIRED DESIGN DENSITY Gpm (LPM)	AREA OF SPRINKLER OPERATION FT ² (m ²)	PUMP CAPACITY WITH HOSE DEMAND	PUMP CAPACITY WITH HYDRANTS
PALLETIZED, BIN BOX, SHELF, IN RACK,	I	< 3.7 m	0.15 (6.1)	1500 (140)	300 gpm	750 gpm
	II	< 3 m	0.15 (6.1)	1500 (140)	300 gpm	750 gpm
		3 m – 3.7 m	0.20 (8.1)	1500 (140)	350 gpm	750 gpm
	III	< 3.7 m	0.20 (8.1)	1500 (140)	350 gpm	750 gpm
	IV	< 3 m	0.20 (8.1)	1500 (140)	350 gpm	750 gpm
PALLETIZED, BIN BOX, SHELF	IV	3 m – 3.7 m	0.20 (8.1)	1500 (140)	350 gpm	750 gpm
IN RACK	IV	3 m – 3.7 m	0.30 (12.2)	2500 (232)	750 gpm	1250 gpm