

Table 9.7: Automatic Sprinkler System Requirements

ITEMS	REQUIREMENTS
50. DESIGN CRITERIA OF ESFR FOR CLASS I TO IV, STORED IN SINGLE, DOUBLE OR MULTIPLE RACKS UP TO A HEIGHT OF OVER 7.6 M	i. The automatic Sprinkler Design criteria of ESFR for Class I to Class IV, stored in Single, Double or Multiple racks with storage height of over 7.6 m shall be as per Table 9.7.CC., for a minimum of 12 sprinkler heads.

Table 9.7.CC.: ESFR for Class I to Class IV, stored in Racks up to a height of over 7.6 m

STORAGE ARRANGE- MENT	COMMODI- TY	MAXIMUM STOR- AGE HEIGHT (m)		MAXI- MUM CEILING HEIGHT (m)	NOMINAL K-FACTORS FOR THE TYPE OF SPRINKLER ORIENTA- TION		MINI- MUM OPER- ATING PRES- SURE	PUMP CAPACITY WITH HOSE DEMAND	PUMP CAPACITY WITH YDRANTS	
					UPRIGHT	PEN- DENT				
SINGLE- ROW, DOU- BLE-ROW, AND MULTI- ROW RACK (NO OPEN-TOP CONTAIN- ERS)	CLASS I, II, III, OR IV, ENCAP- SULATED OR NOT ENCAP- SULATED	9.1			10.7	14 (201)	14 (201)	75	1500 gpm	2000 gpm
						16.8 (242)	16.8 (242)	52	1500 gpm	2000 gpm
						-	22.4 (322)	35	1500 gpm	2000 gpm
						-	25.2 (363)	20	1500 gpm	2000 gpm
			10.7		12.2	-	14 (201)	75	1500 gpm	2000 gpm
						-	16.8 (242)	52	1500 gpm	2000 gpm
						-	22.4 (322)	40	2000 gpm	2000 gpm
						-	25.2 (363)	20	1500 gpm	2000 gpm
		12.2		13.7	-	-	-	-	-	
					-	-	-	-	-	
					-	22.4 (322)	40	2000 gpm	2000 gpm	
					-	25.2 (363)	40	2000 gpm	2500 gpm	