Table 9.7: Automatic Sprinkler System Requirements	
ITEMS	**REQUIREMENTS**
45. DESIGN CRITERIA OF CMSA AND NOMINAL K-FACTOR FOR CLASS I TO IV, STORED IN SINGLE, DOUBLE OR MULTIPLE RACKS TO A HEIGHT OF 7.6 M.	i. The automatic Sprinkler Design criteria of CMSA (Control Mode Specific Application) and Nominal K-factor 19.6 (280) for Class I to Class IV, stored on Single, Double or Multiple racks with storage height up to 7.6 m shall be as per **Table 9.7.Z.c.**

Table 9.7.Z.c.: CMSA and Nominal K-factor of 19.6 for Class I to Class IV, stored in Racks up to 7.6 m

TYPE OF SYSTEM	COMMODITY CLASS	MAXIMUM STORAGE HEIGHT	MAXIMUM CEILING HEIGHT	K-FACTOR 19.6 (280) NUMBER OF SPRINKLERS BY MINIMUM DESIGN PRESSURE / ORIENTATION				
				16 PSI (1.1 BAR)	25 PSI (1.7 BARS)	30PSI (2.1 BARS)	PUMP CAPACITY WITH HOSE DEMAND	PUMP CAPACITY WITH YDRANTS
WET	I, II	6.1	9.1	15 / pendent	-	-	1250 gpm	1500 gpm
		7.6	9.1	15 / pendent	-	-	1250 gpm	1500 gpm
	III	6.1	9.1	15 / pendent			1250 gpm	1500 gpm
		7.6	9.1	15 / pendent			1250 gpm	1500 gpm
		7.6	10.6	-	15 / pendent	15 / pendent	1500 gpm	2000 gpm
	IV	6.1	7.6	15 / pendent	-	-	1250 gpm	1500 gpm
		6.1	9.1	15 / pendent	- -	- -	1250 gpm	1500 gpm
		7.6	9.1	15 / pendent	-	-	1250 gpm	1500 gpm
		7.6	10.6	-	15 / pendent	-	1500 gpm	2000 gpm
			12.2			15 / pendent	1500 gpm	2000 gpm

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