

**Table 9.11.C.: Design Criteria for Foam Water Sprinkler for processes and activities handling flammable and combustible Liquids**

HAZARD	REQUIRED DESIGN DENSITY	DESIGN AREA m <sup>2</sup>	FOAM CONCENTRATION DURATION	PUMP CAPACITY WITHOUT HYDRANT gpm	PUMP CAPACITY WITH HYDRANT gpm
1. LOADING AND UNLOADING AREA	6.1 lpm (0.16 gpm)	465 m <sup>2</sup>	15 Minutes	1000	1250
2. INDOOR STORAGE OF LIQUIDS IN ATMOSPHERIC STORAGE TANKS	12.2 lpm (0.35 gpm)	465 m <sup>2</sup>	15 Minutes	1500	2000
3. SPRAY APPLICATION USING FLAMMABLE COMBUSTIBLE LIQUIDS	6.1 lpm (0.16 gpm)	465 m <sup>2</sup>	15 Minutes	1000	1250
4. POWDER COATING APPLICATION	6.1 lpm (0.16 gpm)	465 m <sup>2</sup>	15 Minutes	1000	1250
5. AIRCRAFT HANGER (REFER TO TABLE 9.27.17)	REFER TO NFPA 409 AND TABLE 9.27.17.				