

Table 9.27.: Storage, Warehouse and Industrial Fire Protection Systems

OCCUPANCY	SYSTEM REQUIREMENTS	COMBINED FIRE PUMP SET AND FIRE WATER TANK CAPACITIES
P. COLD STORAGE (STORAGE FACILITIES WITH BELOW 4⁰C TEMPERATURES)	<p>4. IF SUM OF ALL GROUND FLOOR BUILT-UP AREAS IS MORE THAN 3600 m²</p> <ul style="list-style-type: none"> i. Dry Type Sprinklers shall be provided throughout the facility as per Section 3.6. ii. The sprinkler design density shall be as per storage height and storage arrangement, in accordance Table 9.7.H., Table 9.7.I., Table 9.8.A., Table 9.7.Z.a., 9.7.Z.b., Table 9.7.AA.a., 9.7.AA.b., and 9.7.AA.c., iii. Yard Fire Hydrants shall be provided as per Section 3.11., in a loop to cover the entire facility. iv. Hose Reel System shall be provided throughout the building as per Section 3.3. v. A dry riser and wet riser System shall not be required. 	<p>4. IF SUM OF ALL GROUND FLOOR BUILT-UP AREAS IS MORE THAN 3600 m²</p> <ul style="list-style-type: none"> vi. The capacity of the fire pump set shall be as per storage height and storage arrangement, in accordance Table 9.7.H., Table 9.7.I., Table 9.8.A., Table 9.7.Z.a., 9.7.Z.b., Table 9.7.AA.a., 9.7.AA.b., and 9.7.AA.c., at a pressure as required to satisfy 6.9 bar at the most remote Hydrant valve. vii. The water tank shall have a capacity of 60 minutes of operation, complete with low water level detection, direct breeching inlet and instantaneous re-filling arrangement.