

Table 13.6.: Storage Vaults

ITEM	REQUIREMENTS
4. VENTING	<ul style="list-style-type: none"> i. Vent pipes that are provided for normal tank venting shall terminate outside the vault and at least 3.5 m above the ground level. ii. Emergency vents shall be vapor tight and shall be permitted to discharge inside the vault. Long bolt manhole covers shall not be permitted for this purpose. iii. Vaults that contain tanks storing Class I liquids shall be ventilated at a rate of not less than $0.3 \text{ m}^3/\text{min}/\text{m}^2$ ($1\text{cfpm}/\text{ft}^2$) but not less than $4 \text{ m}^3/\text{min}$ ($150 \text{ cfpm}/\text{ft}^2$). Such ventilation shall operate continuously or shall be designed to operate upon activation of a vapor and liquid detection system.
5. VAPOR DETECTION	<ul style="list-style-type: none"> i. Each vault shall be provided with an approved liquid detection system that is equipped with on-site audible and visual warning devices with battery backup. ii. Vapor detectors shall be provided, located not more than 300 mm above the lowest point in the vault. iii. Systems shall be designed and installed as per manufacturer's recommendations.