



Chemical Store Exhaust Specification

The chemical store room shall be fitted with an exhaust ventilation system of PVC construction with exhaust grilles at high and low level. The velocity through the grilles shall be a minimum of 300m/min. Any duct that passes through a building, other than the storage area shall have a FRL of at least - /180/180.

The exhaust fan shall be a Conditionaire Model PM10.10 “Safe-Tee” arrangement 4, centrifugal fan of PVC construction selected to give a volume of 0.3m³/min per square metre of floor area or 5m³/min. (85l/sec), whichever is the greater.

The supply air may be in the form of natural ventilation in an external wall at low level and the distance between inlet and exhaust grilles shall not exceed 5m.

Any intake or exhaust duct shall terminate in open air at least 2m from any opening into a building, or 4m from the outlet of any flue and 3m above the ground. The termination of any inlet duct shall be at least 5m from the external termination of any exhaust duct.

The system shall be designed so that it operates continuously or wherever work is being carried out in the store or whenever a person is in the store.

The system shall be provided with an “air-flow failure” warning device.