

4.4 Environmental Protection

4.4.1 Environmental Protection

The requirements of BS 5410 : Part 2 advise that a bund should be provided unless:

- a) The tank is sited away from a building and the capacity does not exceed 1250L.
- b) The tank is buried in the ground.
- c) The absence of a bund is not considered likely to create a hazard.

IMPORTANT NOTE:

The guidance contained within BS 5410 : Part 2 (as above) does not achieve compliance with some regional legislative installation requirements. Reference must be made to the Regional Requirements at the back of this book for additional guidance before specification and installation takes place.

4.4.2 Secondary Containment

Bunds should be of adequate strength, constructed of non-combustible materials, be oil tight and have a capacity of least 10% greater than the tank or tanks.

The bottom of the bund should be laid to fall to an impervious sump. The sump should be un-drained except where the bund and tank are exposed to the weather. The sump should be un-drained. Provision should be made for the removal of rainwater by a pump or other controlled means of removal. The fitting of a drain-down valve is prohibited in some Regional Legislative requirements.

Ventilation and pipe ducts etc should be arranged to maintain the integrity of the bund and of the fire resisting standard of any enclosures.

Any valves, filters, sight gauges, vent pipes or similar equipment that are ancillary to the tank must be located within the bund (for example a flexible draw off pipe should be provided with an automatic closing tap or valve at its delivery end and should be kept locked and contained within the bund when it is not in use (for example for a non-domestic or agricultural fuel oil storage tank installation).

NOTE: An isolating valve or filter installed in a pipe run from integrally banded tanks are not classed as being ancillary to the tank and are therefore permitted to be installed outside the bund.