

- 1.27 Tanks 2000mm and more in depth shall be equipped with a water level indicator arrangement. One common level indicator for a group of connected tanks is acceptable, subject to the Distribution Company's approval.
- 1.28 All tanks should have a rigid, close-fitting and securely-fixed cover which is not airtight but which excludes light and insects from the cistern. It shall be made of a material or materials which does/do not shatter or fragment when broken and which will not contaminate the water quality. Cisterns storing more than 1,000 litres of water shall be constructed and placed so that the cistern may be inspected and cleaned without it having to be wholly uncovered.
- 1.29 The storage tank shall be designed to ensure that any maintenance activities for all water fittings, particularly to foot valves and float-controlled valves, can be made without the need for draining or causing any damage to the tank structure.
- 1.30 At least one capped or down-facing air vent shall be installed per water tank. One additional vent shall be provided per 40 square metres of tank area or at a spacing of 7 metres, evenly distributed over the tank area. The vent shall be at least 65mm in diameter, equipped with a stainless steel mosquito screen, and shall be cleaned by the end user at regular intervals. The tank shall have a clear height (free-board) of not less than 300mm but not exceeding 500mm between the top water level and roof (inside surface).
- 1.31 Where the water level in the tank is more than 1500mm, an internal ladder (external ladder for non-buried tanks) shall be installed. The internal ladder shall be made of a non-metallic material (approved plastic or GRP) or of stainless steel grade 316. An external ladder shall be made of a material capable of withstanding the prevailing weather conditions. It shall be properly fixed under or near to the tank access. It shall have a width of not less than 400mm, with the distance between steps not more than 250mm, and the height between the last step and ground not more than 300mm.
- 1.32 A name-plate not less than 300 x 200mm shall be securely attached to the tank exterior, by stainless steel grade 316 bolts and nuts or a similar approved arrangement, in a clearly visible and accessible location, preferably on the tank inlet side. The name-plate shall be made of a material not affected by weather conditions. The following data shall be engraved on the plate:
- (a) material;
  - (b) design/operating parameters (pressure/temperature);
  - (c) capacity;
  - (d) corrosion allowance;
  - (e) name of manufacturer or brand (trade) name;