

1.2.21 Containers, Tanks, Vessels

1.2.21.1 General

- A. Containers shall be factory made and, depending on the size, field assembled. The container shall be installed on suitable designed concrete foundations at least 500mm higher than the surrounding level. Unless otherwise specified the containers shall be furnished with complete tank drain including drain sump by gravity, inspection and cleaning manholes, filling nozzles, suction nozzles, vent nozzles (including air filter for potable water storage tanks), level gauges, staircase or ladder, service platforms, roof railing, lighting/ illumination where applicable, earthing and lightning protection, catch basin of the same volume as the tank volume where hazardous material is stored, adequate corrosion protection, etc.
- B. Location of pressure gauges shall be such to enable easy reading from floor level.

1.2.21.2 Prefabricated Tanks

- A. Prefabricated tanks shall be preferably constructed out of stainless steel grade 316 L. Baffles, weirs, internal pipe work, valves etc. shall be equally in stainless steel or especially designed GRP with the appropriate resins or epoxies.
- B. If other material is used special protective coating as specified hereinafter shall be provided ex - works.

1.2.21.3 LDPE (Linear Low Density Poly-Ethylene) Tanks

I. Scope

- A. The specification shall apply to the linear low density polyethylene tanks where used for,
 - a. Potable water storage
 - b. Irrigation water storage if required

II. General

- A. The submittal must be along with the relevant product catalogues / descriptive literature stating manufacturing process, materials, and instructions on construction, handling, installation, periodic inspection and maintenance.
- B. Tank material shall be virgin polyethylene, PE pellets shall be from local approved manufacturer. Recycle material is not accepted.