



ATMOSPHERIC WATER STORAGE TANK SPECIFICATIONS

Tank Selection

The Engineer's selection of atmospheric tank construction for the project has been predicated upon the design criteria and construction methods specified. Deviations from the specified design and construction details will not be permitted.

Drawings and Specifications

Construction shall be governed by the drawings and specifications showing general dimensions and construction details. After approval by the Engineer there shall be no deviation from these drawings and specifications except upon written order or approval from the Engineer.

Tank Structure

The materials, design, fabrication, and set up of the atmospheric water storage tank:

1. Outer Skin

The outer shell is embossed aluminum 0.032 thickness.

2. Insulation

- A. Wall is constructed of two layers of one inch isocyanurate, foiled faced.
- B. Lid is constructed of two inch isocyanurate.
- C. Bottom is constructed of one layer one inch isocyanurate and one layer one inch DOW foam.

3. EPDM Rubber Liner

- A. 0.045 mill
- B. Liner is pinned to the top ledge of insulation wall.

Ports to and from Tank

1. Pipes passages threaded Sch 40 PVC pipe nipple. Sizes are one inch, 1-1/4 inch, 1-1/2 inch, 2 inch, 2-1/2 inch.
2. Connections stainless steel MPT (male pipe thread). Sizes are one inch, 1-1/2 inch, 2 inch, and 2-1/2 inch.
3. Three sensor wells provided on side of tank.
4. Lid support system is copper bar and/or copper cross.
5. Vent on lid consists of 1-1/2 pipe pass through with a 1-1/2 PVC cap.

Tank Foundation

1. The tank foundation shall be designed by the Owner's Engineer to safely sustain the loads from the tank and contents.
2. Foundation area shall have drain provided by installing contractor or owner.

Shipping

All tank and miscellaneous parts shall be packaged for shipment in such a manner to prevent tank and content damage.

Erection

Proper installation manual to be included in tanks part box. Field set-up of tank in strict accordance with the tank manufacturers recommendation. Particular care shall be exercised in handling of the tank to avoid abrasion or scratching of the aluminum wall and damage to the tank liner.

Warranty

The tank manufacturer shall warrant the tank system against any defects in workmanship and materials for a period of (10) years from the date of final purchase. Tank temperature should not exceed 175 degrees, tank warranty is up to and including 175 degrees.

Stored water needs to be maintained at a PH of 8.2 to 8.6. In the event any defect should appear, it shall be reported in writing to the manufacturer during warranty period.

Tank shall not be installed outdoors without weather protection.