



# Vertical Tanks

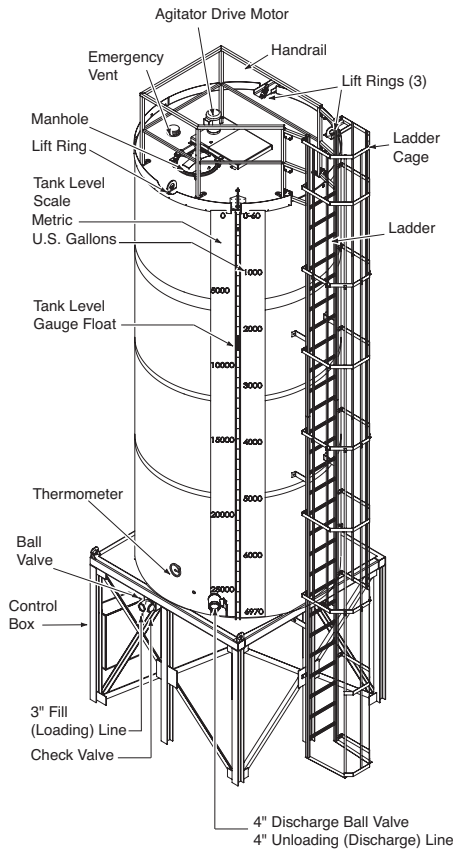
for Modified Asphalt Emulsions Storage



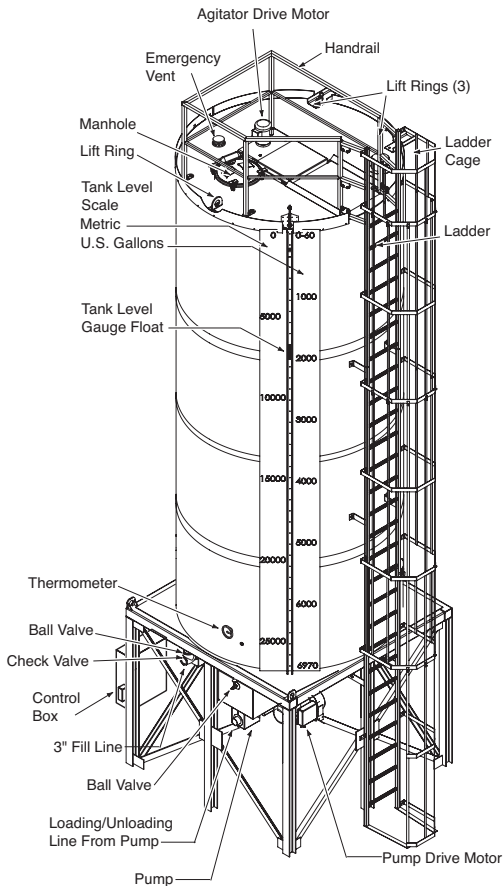
## Vertical Tank FEATURES

- 7000 gallon capacity
- Gravity discharge
- Insulated and jacketed
- Fully automatic electric heat controls
- Electric driven emulsion agitation system
- Safety access ladder and top platform
- Optional electric pumping system (load/unload)
- Ideal asphalt emulsion storage system for filling smaller street patcher and maintenance type units

# General Description



## Standard Gravity Storage Tank



## Storage Tank with Optional Pump

# SPECIFICATIONS

## 7000 Gallon Tanks (gravity flow)

### STANDARD EQUIPMENT

1. 7000 gallon tank 8'-0" diameter by approximately 19' high.
2. Made from 1/4" carbon steel.
3. Tank insulated with 3" fiberglass and covered with aluminum jacketing for all weather protection, including bottom and top.
4. Conforms to API 650 standard.
5. Tank erected on and attached to steel stand to place bottom of tank 7'-0" above ground, 3'-0" above ground with option "A" (pump).
6. Equipped with ladder and safety rail to provide access to door on top of tank. Ladder is enclosed to meet OSHA specifications as shown on plans.
7. Equipped with a minimum of nine (9) 800 watt electric heat strips (7,200 watt total), (220 volts), attached to the outside bottom of tank as shown on plans. Thermostat control 240 volt single or 3 phase. All tanks must have the ability to maintain a temperature of 160° F. when the outside temperature is a negative 10° F.
8. Equipped with one (1) 3" steer lever control ball valve for loading and one (1) 3" check valve on inlet and drain line. All are to be thermo taped and insulated.
9. Loading hose 3" diameter and 12' long flexible steel with quick coupler at tank end.
10. Built-in float gauge for measuring liquid, reading both English and Metric.
11. Equipped with electric driven motor 1 HP single or 3 phase 220 volt, two (2) bladed agitator, RPM designed for agitation emulsions, with automatic timer capable of agitating from 5 to 30 minutes, in one minute increments, at set times on any given day of the week.
12. One (1) temperature gauge, 4" dial type 50° F. to 200° minimum.
13. Concrete pad and steel support plates to be constructed by customer as per attached plans. Customer will be responsible for required welding to foundation pads.
14. Wiring from storage tank control boxes to power supply to be done by customer.
15. All plumbing to be done by vendor.
16. One (1) 110 volt G.F.I. plug.
17. Vendor will construct sufficient hooks on the tank for unloading and lifting onto pad. Cranes for doing this will be provided by customer. Vendor must notify customer 48 hours prior to delivery.
18. Customer will provide welder to weld legs to lag plates on pads as directed by contractor.
19. Tanks and structures must meet all applicable Federal And State codes including electrical components and wind velocity requirements. Successful bidder shall certify that tanks and structures meet such laws & codes.
20. Tank and all attachments to have a one (1) year warranty from date of operation.

### OPTIONAL EQUIPMENT

- 1A. Equipped with an electric 220 volt three phase motor 10 H.P. and 3" reversible 200 gallon per minute pump system designed to pump emulsion, mounted on stand with a 3" lever ball valve between pump and tank. For loading and unloading the storage tank. Not Required for circulating emulsions.
- 2A. Special lo-density tube type heaters (in lieu of standard heat strips) for hot 350°F/400F asphalt. 26KW "Unitized Heater Kit". The heater tubes will be made of 3" Sch 40 black iron pipe. The tubes will be mounted through the side of the tank and include a heavy duty terminal box. The open coil elements will be designed to operate on 240/480 volt. 3 or 1 phase power (specify when ordering). The elements will be removable from the tank without draining (dry well type). This heater kit is sized for heating a 7,000 gallon asphalt storage tank. Will maintain a temperature of 400°F when the outside temperature is a negative 10°F. (For use with AC type hot asphalt)

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