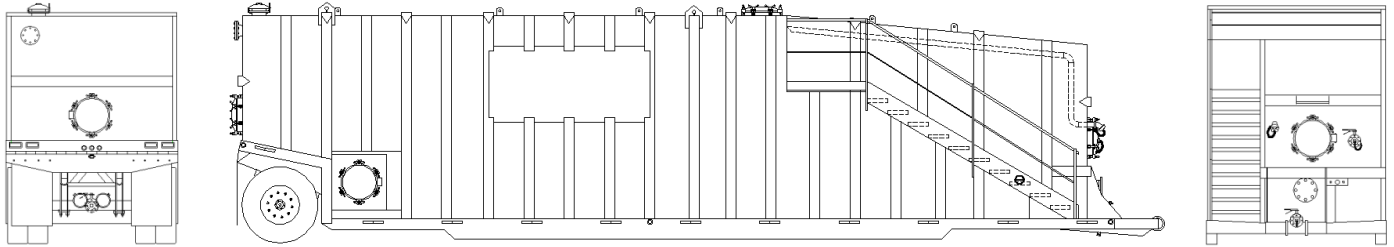




Manufacturing Inc.

# DATA SHEET MODEL: STD-CA500

CALIFORNIA STYLE TANK  
21,000 GAL (500 BBL)



## GENERAL INFORMATION

- **Capacity:** 500 BBL (21,000 gal/79,493 lts)  
Stationary capacity
- **Height:** 11' (3.35 m) – to top of tank roof  
11'-2" (3.4 m) – to top of roof channels  
11'-8" (3.56 m) - overall (to lifting eyes)
- **Width:** 8'-6" (2.59 m)
- **Length:** 46' (14.02 m) - overall (nose to tail)
- **Weight:** 29,500 lbs (13,380 Kg)

## STRUCTURAL DESIGN

- **Floor sheet:** 1/4" A36 plate
- **Side sheets:** 1/4" A36 plate
- **Roof sheet:** 1/4" A36 plate
- **Front:** 1/4" A36 plate
- **Rear:** 1/4" A36 plate
- **Main floor rails:** 12" x 40' structural channel

## FEATURES

- **Smooth walls for easy cleaning**
- **V-Shaped floor for easy draining**
- **Valves:** 4" Outlet port (Weld neck flange, butterfly valve, threaded flange, male plug & chain)
- **Relief valve:** 8" Blaylock pressure relief vacuum valve model II10
- **Frontal drain:** 6" Outlet port (Weld neck flange, butterfly valve, threaded flange, male plug & chain)
- **Rear drain:** 4" Outlet port (Weld neck flange, butterfly valve, threaded flange, male plug and handle lock)

## FEATURES (CONT.)

- **Connectors:** 6" Connector (Weld Neck Flange W/Buna-N Gasket & Blind Flange) at rear  
4" Outlet port (Weld neck flange, butterfly valve, threaded flange, male plug & chain) at front  
4" Vent W/threaded plug & 2" vent W/female cap at roof  
6" Outlet Port (Weld neck flange) at roof near rear wall
- **Manifold Port:** 8" port for manifold w/Slip on flange, Buna-N Gasket & Blind flange at front
- **Liquid level gauge:** Float ball system
- **Manways:** (4) 20" steel manways w/Buna-N Gasket, (1) at front, (1) at rear, (1) on roof & (1) at passenger side near rear
- **Piping:** 3" Internal feed line (13'-8' length) at front w/female threaded cap & chain
- **Hook-up:** Frontal hook-up
- **Suspension:** Spring – 22.5 k capacity
- **Wheels:** 8.25 x 22.5
- **Axes:** 71.5 track, 22,500 lbs. capacity

## SURFACE DETAILS

- **Surface preparation:** Interior- SSPC-SP 10 Near White  
Exterior- SSPC-SP 6 Commercial
- **Exterior Coating:** Primer coat: Carboline™ Carboguard 893  
Finish coat: Carboline™ Carbothane 134 HG
- **Interior Coating:** Carboline Phenoline™ 310
- **Undercoating:** ZPG 20060b Undercoating
- **Safety Paint:** Carboline™ Safety Yellow – Stairway & handrails

## TESTS PERFORMED

- **Water test:** 3 psi, 1<sup>st</sup>, 2<sup>nd</sup> y 3<sup>rd</sup> test (if necessary)
- **Surface profile test:** Deepness measure after blasting
- **Paint test:** Interior: 20 mils  
Exterior 6 to 8 mils

*OPTIONAL FEATURES*

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- Additional ports
- Additional manways/square hatches
- Weir
- Additional feed line
- Gel line
- Jet line
- Manifold
- ABS brake system
- Steam coils
- Aluminum wheels
- Custom interior coating
- Custom exterior coating