

21K Fixed Axle Vapor Tight Lined Tank

Model/Make: FAVTLSM / Modern V-Bottom; Akron build

Product Description

This tank has a smooth interior wall for easy cleaning, and the interior surfaces are lined with a chemical resistant coating for corrosion protection.

Technical Data

Weights and Measures

Capacity	500 BBL (21,000 gals.) – Crossing stairway
Height	11'-0" (grade to top of P/V valve) 10'-4" (grade to roof plate)
Width	8'-6" (overall)
Length	46'-3" (overall) 42'-8" (tank only)
Weight	29,500 lbs. ±

Structural Design

Floor	¼" ASTM A36 carbon steel
Sides/Ends	¼" ASTM A36 carbon steel
Roof Deck	¼" ASTM A36 carbon steel

Wetted Materials *for material compatibility check*

Carbon Steel*	Tank walls, bottom, sides; steam coil (if supplied)
Carboliner Liner	Tank interior (Could be Phenoline 310 or Phenoline 380 – confirm which)
Buna (Nitrile, NBR)	Manway gaskets, valve seats, P/V valve gasket
Nylon 11	Valve disc
304 Stainless Steel	Float ball

**Theoretically if the tank has an interior liner, no carbon steel should be exposed to the liquid. However, if there are areas of thin or missing liner, bare carbon steel will be exposed. It is always a good idea to check compatibility of carbon steel even if the tank interior is lined.*

Surface Details

Exterior Coating	High gloss polyurethane
Interior Lining	Chemical resistant lining

Features

Valves	(4)Front & (1)Rear: wafer butterfly valve. Cast iron body, Buna-N seat & seals, 316 SS stem, Nylon 11 coated ductile iron disk, with plug and chain.
Relief Valve	16 oz/in2 pressure setting, 0.4 oz/in2 vacuum setting; Buna-N seal.
Front Drain	4"-150# FNPT flange
Rear Drain	4"-150# FNPT flange
Top Manway	22" I.D. min. - ½" flat steel with slotted hinges w/ Buna-N seal (thermally fused to tank)
Front Manway	22" I.D. min. - ½" flat steel with slotted hinges w/ Buna-N seal (thermally fused to tank)
Side Manway	22" I.D. min. - ½" flat steel with slotted hinges w/ Buna-N seal (thermally fused to tank)
Stairway	Non-slip w/handrails & guardrails; OSHA compliant
Top Fill Connection	3" sch. 40 pipe with cap & chain
Top Flange	4" – 150# flange w/ blind
Top Coupling	2" FNPT sch. 40 coupling with plug
Level Gauge	Ball float style; 2-8" SS floats

Strapping Table: ST306



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