

PRODUCT DATA SHEET

October, 2004

MODERN FIXED AXLE TANK

(500 BBL ROUND BOTTOM VERSION)

GENERAL INFORMATION

This tank has a smooth interior wall for easy cleaning.

WEIGHTS AND MEASURES

➤ Capacity:	.....	500 BBL (21,000 gallons)
➤ Height:	.....	10'-8" (grade to roof plate) 13'-4" (grade to upright guardrail)
➤ Width:	.....	8'-6"
➤ Length:	.....	47'-2" (nose to tail) 42'-11" (end wall to end wall)
➤ Weight:	.....	29,000 lbs. (est.)

STRUCTURAL DESIGN

➤ Floor:	.....	¼" thick ASTM A36 carbon steel round bottom
➤ Sides/Ends:	.....	¼" thick ASTM A36 carbon steel
➤ Top Deck:	.....	¼" thick ASTM A36 carbon steel
➤ Wall Frame:	.....	6" wide channel-shaped steel
➤ Roof Rafters:	.....	3" wide x 1½" tall channel-shaped steel
➤ Internal Cross Bracing:	.....	None

FEATURES

➤ Manifold:	.....	None
➤ Front Inlet:	.....	8" connection, flanged on the inside and outside of the tank
➤ Valves:	.....	2-Front & 1-Rear: Bray Series 30, 4"- wafer butterfly valve. Cast iron body, Buna-N seat & seals, 416 SS stem, Nylon 11 coated ductile iron disk w/ plug and chain.
➤ Relief Valve:	.....	Blaylock Model LL10, Buna-N seal, 16 oz. Pressure setting, 0.4 oz. Vacuum setting
➤ Fill Line:	.....	3" sch. 40 A106B pipe, top of tank, with cap and chain
➤ Top Manway:	.....	One - 21½" I.D. domed lid w/anti-personnel bars, slotted hinges and 5 - ¾" T or eye bolt with wing nut fasteners, hinged to side of tank.
➤ Front Manway:	.....	One - 21½" I.D. domed lid, slotted hinges and 5 - ¾" T or eye bolt with wing nut fasteners,, hinged away from stairs.
➤ Side Manway:	.....	One - 21½" I.D. domed lid, slotted hinges and 5 - ¾" T or eye bolt with wing nut fasteners,, mounted on passenger side and hinged to front of tank.
➤ Manway Seals:	.....	Buna-N (NBR)

FEATURES – cont.

➤ Stairway:	.....	Front-mounted with access from driver's side of tank
➤ Rear Drain:	.....	4"-150# flanged connection with butterfly valve and remote operation handle
➤ Front Drain:	.....	4"-150# flanged connection with butterfly valve
➤ Gel Line:	.....	4" sch. 40 pipe; flanged with butterfly valve
➤ Top Vapor Connection:	.....	4"-150# weld neck flange with blind flange (chained) and Buna N gasket
➤ Level Gauge:	.....	Ball style with 2-8" 304 SS floats. Floor supports hold floats ½" off floor.
➤ Tires:	.....	11.00 x 22.5 (nylon tubeless)
➤ Axles:	.....	25K axle, automatic slack adjusters, top mounted 30 service chambers, outboard drums
➤ Wheels:	.....	BUDD 10-hole, 2-hole opening
➤ Suspension:	.....	Hutch 9700 GAW, 3-leaf high arch springs

SURFACE DETAILS

➤ Exterior Coating:	.....	<u>Primer:</u> Carboline 8701 zinc rich <u>Paint:</u> Carboline 134HG Polyurethane
➤ Interior Coating:	.....	Carboline 309
➤ Safety Paint:	.....	Carboline® 134HG, color 6666 (All moveable safety equipment, handrails, stairs etc.)
➤ Equipment Number:	.....	Baker equipment number: 6" white numbers, right front & left rear – SV****RL (SV = Smooth Wall Fixed Axle Vapor Tight; R = Round Bottom, L = Lined, **** = tank sequence number)
➤ Decals:	.....	2-DCLEZ: Baker Tanks – Tanks...Rentals 1-DCLH: "E" ("Empty" symbol for level) 1-DCLJ: "F" ("Full" symbol for level) 2-DCLB: Property of Baker Tanks... 1-DCLD01: Danger-Do Not Enter... 3-DCLD03: Danger...Confined Space 1-DCLD04: Danger...Surface...Slick 1-DCLIC01: Warning...Coating Damage 1-DCLW04: Warning-Do Not Move...
➤ Placard Mounts:	.....	Removable 10-gauge steel, 48"x48", both sides of tank at top rear. Secured with nylock nuts or bolts with lock washers.

TESTS/CERTIFICATIONS

➤ Test Performed:	100% water tested to full capacity, 3 psi – 20 min test; Level I, II and III inspections on a scheduled basis
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