

PRODUCT DATA SHEET

November, 2006

**SAFETY VAPOR TANK
(500 BBL Standard & Short)**

GENERAL INFORMATION

Vapor tight steel tanks with two sealed top access hatches and pressure/vacuum relief valve. Some models are equipped with heating coils.

WEIGHTS AND MEASURES

➤ Capacity:	Standard tank – 500 BBL. (21,000 gal.) Short tank – 475 BBL. (19,950 gal.)
➤ Height:	Standard – 12'-6" Short – 11'-10"
➤ Width:	Standard – 8'-0" Short – 8'-0"
➤ Length:	Standard – 37'-0" Short – 37'-0"
➤ Weight:	Standard – 21,000 lbs. (est.) Short – 20,500 lbs. (est.) Standard w/coils – 21,800 lbs. (est.) Short w/ coils – 21,300 lbs. (est.)

STRUCTURAL DESIGN

➤ Floor:	1/4" thick ASTM A36 domestic hot-rolled carbon steel plate, 36,000 psi min. yield strength, 58,000 psi min. tensile strength
➤ Sides/Ends:	1/4" thick ASTM A36 carbon steel
➤ Top Deck:	1/4" thick ASTM A36 carbon steel
➤ Wall Frame:	3" to 5" steel channel
➤ Floor Frame:	6" carbon steel I-beam
➤ Top Frame:	4" steel channel
➤ Internal Cross Bracing:	15 – 3"x3"x1/4" angle iron

ACCESSORIES

➤ Manifold:	None
➤ Valves:	1-4" butterfly valve tractor end – driver side; 1-4" butterfly valve dolly end – passenger side, 1-4" or 6" total drain valve
➤ Relief Valve:	Blaylock Model LL10, Buna-N seal, 16 oz. Pressure setting, 0.4 oz. Vacuum setting
➤ Top Fill:	1-4" 150# blinded connection, driver side on dolly end
➤ Top Access Hatches:	2-50" long x 32" wide (rounded ends)
➤ Top Hatch Seals:	1" x 1 1/4" neoprene gasket

ACCESSORIES – cont.

➤ Manways:	None
➤ Exterior Stairway:	Dolly end – lower section folds for extension and retraction. Stairway includes handrails.
➤ Guardrails:	Top deck, fold-down.
➤ Internal Ladder:	One, located at rear top hatch opening
➤ Bottom Sump:	One on each end of tank: Type 1: flat bottom, 12" diameter, 3" deep Type 2: domed, 14" diameter, 4" deep
➤ Total Drain:	(1)- 4" pipe and slip-on flange, driver side, tractor end (some tanks have 6")
➤ Front Collar:	Size varies, 2" – 4"
➤ Level Gauge:	Ball float style, 2-8" 304 SS floats. Some tanks may have a VAREC tape gauge.
➤ Rear Wheels:	Removable conventional or air dolly; no fixed axles
➤ Drop Pin:	One on dolly end, with safety clip
➤ Air lines:	Two connections at tractor end
➤ Options:	Heating coil

SURFACE DETAILS

➤ Exterior Coating:	Carboline® 134HS (High Gloss Acrylic Aliphatic Polyurethane)
➤ Interior Coating:	Normally none
➤ Safety Paint:	Carboline® Rustarmor 139 (All moveable safety equipment, handrails, stairs etc.)
➤ Equipment Number:	(prefix)####(suffix): Possible prefixes: G, N, E, S Possible suffixes: SD, SDC, SDL, SDS
➤ Decals:	2-DCLC: Property of Baker Tanks... 2-DCLD01: Danger-Do Not Enter... 2-DCLW04: Warning-Do Not Move/Lift... 2-DCLIC01: Warning-Interior Coating Damage (Used only if interior is lined)
➤ Placard Mounts:	None

TESTS/CERTIFICATIONS

➤ Tests Performed:	New construction/skin repairs: hydrotest Scheduled: Level I, II & III inspections. NESHAP testing is part of Baker's Level II inspection.
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