

**POLAR**  
**ALUMINUM, ELLIPTICAL, TAPERED, BAFFLED, D.O.T. 406 TRAILER**  
**ATB6 9500-5**

14931 - 14933

2017

**BARREL DESCRIPTION**

Model:	ATB6 9500-5
Code:	DOT 406
Capacity:	9500 gallons (up to +3% tolerance, 60 gallons minimum)
Compartments:	Five (3500/1200/1000/1000//2800)
Shape:	Elliptical, tapered, baffled
Shell Material:	Aluminum, .204" bottom, .180" top and sides
Head & Baffle Material:	Aluminum, .250" and .190", double bulkheads separating compartments four and five
Operating Pressure:	3.3 PSIG
Design Temperature:	125°F
Overall Length:	44' 46"
Product:	7.5# per gallon

**OTHER BAREL INFORMATION**

Weld finish:	W-0 inside
*Material finish:	Bright polished finish on shell sides
*Material finish:	Bright polished finish on front head
*Material finish:	Front and rear head to be hand polished
*Material finish:	Bright polished finish on rear head

**CONSTRUCTION**

Frame:	Extruded aluminum, full. Aluminum outriggers and crossmembers at running gear, supports, and 5 <sup>th</sup> wheel
Dam	
Dam Drains:	Drains through ladder rails
Overturn Protection:	Overturn protection, full length structural aluminum extrusion each side on top, curbside rail doubles as vapor rail
Manhole:	5.00 Betts PPVL816BX, 16" zinc plated steel cover with 10" offset fill. Includes vapor and sensor holes. Includes 6496ALB, pressure/vacuum normal vent mounted in 10" relief valve cover.
*Gasket:	5.00 Viton gasket in cover
*Fill Gasket:	5.00 Viton gasket in fill
Splash Deflector:	5.00 Aluminum, deflector installed over emergency valve.
Capacity Indicator:	None

Static Cable: 5.00 1/8" stainless steel manhole to bottom of tank

### **HOSE CARRIERS**

\*Hose Carrier: Aluminum trough 4" high x maximum width x full length, with reduced center at discharge area. Hose carrier doubles as fenders.  
\*Hose Carrier: 2.00 1" plastic drain hose attached to hose carrier  
\*Carrier Location: Mounted curbside  
\*Gauge Stick Tube: Aluminum gauge stick tube 1 1/2" diameter x 16' long. Install in hose trough at front with opening toward rear.

### **LIGHTS & WIRING**

Lights: 12-volt, Truck-Lite LED grommet mount lights.  
Combination center marker/turn signals  
Wiring: Plug-in style harness system  
Rear Lights: Enclosed in stainless steel light boxes  
\*Extra Lights: Master switch to operate all work lights or spot lights.  
\*Extra Lights: Betts 315010 swivel floodlight(s) with clear lens. No switch included.  
Installed forward of the piping on the curbside  
Nose box: Standard 7 way, J560 receptacle with out circuit breakers

### **UNDERCARRIAGE**

Upper 5<sup>th</sup> Wheel: 5/16" heavy duty with AAR style double hubbed kingpin.  
Paint: 5<sup>th</sup> wheel plate painted gray  
Landing Gear: Jost A400 telescopic load bearing, 2-speed  
Frame: Welded aluminum construction, load bearing  
Bracing: Stainless steel, with cross brace  
Crank Location: Roadside  
Tire Carrier: None  
Suspension: Hendrickson Intraax AANT23K, 23000 lb. tandem axle with standard 49" axle spacing. 5 3/4" diameter  
Hendrickson integrated axles  
Dump Valve: None  
\*Suspension: Galvanized hangers with soft coat applied to axle and trailing arm. (Bolt-on suspension only)  
\*Suspension: Polar auto lift for U.S. units, lift one axle., \*\*\*FRONT AXLE TO LIFT AS STD UNLESS OTHERWISE SPECIFIED\*\*\*  
\*Converts to Hendrickson liftable suspension" "Converts Hendrickson AANT suspension to AAL, when used with Air Disc Brake option."  
Subframe: Extruded aluminum, with aluminum fender supports  
Bumper: DOT code, aluminum, straight, weld-on  
Under-ride Protection: None (no under ride required, wheels back exempt)  
Axles:  
Beam: Straight

Track:	71 1/2" track
Spindle:	P spindles (parallel) same inner and outer bearing
Wheel Seals:	Stemco Guardian
Hub & Drums:	Walther EMC, hub-piloted, Dura-light hub with cast drum
Miscellaneous:	None
Brakes:	S-cam, 16 1/2" x 7", extended service
Anti-lock/Roll Stability:	Meritor 4S/2M with "RSS-Plus", tandem axle roll stability support system for air-ride suspension
Brake Chambers:	TSE 3030
Brake Lining:	Extended service, non-asbestos
Slack Adjusters:	Meritor Automatic
Valves:	Sealco
Gladhands:	Bendix
Air System:	To DOT specifications, two aluminum tank system 2800 cu. In. each
*Wheels:	Alcoa "LvL one" clean buff, 22.5 x 8.25 aluminum disc
*Tires:	11R 22.5 Goodyear G-316
Mud Flaps:	White plastic with Polar logo, mounted front and rear
Fenders	
*Front:	Aluminum contour mounted only on one side of trailer. Hose trough to double as front fender.
*Rear:	Aluminum contour mounted only on one side of trailer. Hose trough to double as rear fender.

### **VALVING & PIPING**

Seal Provisions:	None
Sump:	5.00 4" aluminum drain pocket
*Emergency Valve:	5.00 Betts EV46911ALTS 4" x 4" 90 degree, hi flow, aluminum, air operated, Teflon seals and Victaulic outlet, attached to sump. Note: nose trip to be located on roadside
*Emergency Valve Operator:	Betts air push pull master control AD36098-5ALB
*EVO Lines:	Air tubing
*EVO Location:	Mounted curbside in EVO portion of large cabinet
Pipe:	4" aluminum schedule 10 pipe, with large radius elbows, ending center at aluminum locator bracket with flanged outlet.
Discharge location:	Curbside of trailer
*Outlet Valve:	5.00 Dixon Bayco 4" 5204 openable adaptor(s) with sight glass.
*Adaptor:	5.00 Dixon Bayco 4" aluminum male gravity drop adaptor(s) with cap(s) and chain(s), Baylast seal. #4540

### **INTERLOCK**

*Interlock Bar:	Aluminum interlock bar mounted over curbside discharge area, with interlock valve
*Interlock Valve:	Bayco #5000AI air interlock valve(s) with round button Mount on rear vapor recovery outlet

## **VENTING & CLEANOUTS**

Venting	
Pressure:	None
Vacuum:	None
Cleanouts	None
Caps	None, No caps installed.

## **WALKWAY & LADDER**

Walkway:	
Top Center:	Non-skid tape, full length of barrel
Ladder:	Aluminum tubular with grip steps and large platform step, bolt on.
Ladder Location:	Mounted at rear head, centered.

## **CABINET**

*Cabinet:	Aluminum cabinet 28" high x 60" wide x 26 1/2" deep, three door, two compartment cabinet. Two doors on the fitting compartment and one door on the emergency valve operator compartment, held open with gas operated door stays.
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## **OVERFILL SYSTEM**

*Overfill System:	Dixon Bayco, Flo-tech FT208, Checkmate Plug-n-Play wire system. Includes dual socket box (optic and thermistor sockets with internal ground bolt). System has complete plug-in harness. Has separate monitor and sockets
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## **VAPOR RECOVERY**

Provisions:	3" pipe stubs in curbside overturn rail, near manhole
*Vent:	3.5" Bayco #VR6030SQ sequential vents, air operated. Plumbed to Emergency valve operator.
*Line:	4" aluminum pipe, through barrel with shear section, with one outlet to curbside over rear of rear fender and one outlet curbside 15" to front of discharge valve area, 4" thread
*Adaptor:	2.00 4" x 4", threaded, Bayco vapor recovery adapter, VR4100, poppet and interlock mount.
*Cap:	2.00 EBW Orange vapor cap, 304-200-02, with chain

## **MISCELLANEOUS**

Decals:	Standard warning and safety package
*Decals:	5.00 2" high set(s) of capacity decals mounted above API's. One set per API
Conspicuity Tape:	Discontinuous 3M Tape
Customer Logo:	None
Document Holder:	Truck-Lite #97960
Calibration:	Theoretical paper chart, in 1/4" increments based on innage
*Placards:	Four aluminum slide-in on brackets, one mounted each

	side of trailer
*Paint:	None. No paint installed on trailer
*Product Indicator:	5.00 Trucknology, 8-sided product indicator with mounting bracket per compartment
Fire Extinguisher:	None
*Cone holder:	Aluminum, combination cone and bucket holder with straps to secure both cones and bucket. Mount to rear of curbside discharge.
Warranty:	Polar standard two year
Tests:	Standard testing.

**DISCLAIMER**

Specifications are believed to be correct, but may contain errors and/or omissions. Photographs are the representative of the subject equipment but may not be identical. Equipment availability, prices and specifications are subject to change without notice.