



1430 Highway 87 East  
Billings, MT 59101



## SPECIFICATIONS

### MAC LTT Mfg. DOT406 Aluminum Body Tank

#### A General

1	<b>Tank Type</b>	Aluminum straight elliptical body tank.
2	<b>Design</b>	Bolster mount with slope to rear.
3	<b>Overall Length</b>	N/A
4	<b>Specification</b>	DOT 406.
5	<b>Operating Pressure</b>	3.3 psi with 5 psi test pressure.
6	<b>Max. Product Density</b>	7.5 lbs. per U.S. gallon.
7	<b>Max. Loading Temp.</b>	150 degrees Fahrenheit.
8	<b>Products</b>	Refined fuels; gasoline & diesel.
9	<b>Warranty</b>	Three year limited warranty.

#### B Barrel

1	<b>Compartments</b>	Various compartments and compartment sizes available.
2	<b>Capacity</b>	Various capacities available.
3	<b>Baffles</b>	5454-0 flanged aluminum baffles with large center hole, 3" holes at 9, 12, & 3 o'clock positions and large drain tunnel at bottom.
4	<b>Shell</b>	5454-H32 aluminum with .179" buffed sides, top and .188" mill finish bottom.
5	<b>End Heads</b>	5454 aluminum flanged & dished heads, buffed finish.
6	<b>Dome Covers</b>	10" x 16" with pressure/vacuum relief vent, offset for vapor vent and optic probe.
7	<b>Overturn Protection</b>	Aluminum "V" extrusion on top both curbside and roadside. Dam plates at each end with 1/2" coupling and plug.
8	<b>Overturn Protection Drains</b>	Through ladder at rear.
9	<b>Cleanouts</b>	None-optional.

#### C Valving and Discharge Piping

1	<b>Sumps</b>	4" aluminum drain pocket at low point in each compartment.
2	<b>Emergency Valves</b>	5" x 4" aluminum air-operated valve in each compartment.
3	<b>Emergency Valve Operator</b>	(1) Master switch to open air vents and activate operator manifold and visual indicator. Individual switched to activate internal valves. Manifold mounted in box with overfill system.
4	<b>Emergency Valve Closure</b>	Emergency closure valve located at front head on street side.
5	<b>Piping</b>	4" Sch 10 Aluminum. Teed discharge at rear, API X 4" male adapter and cap curb side, 4" butterfly valve, 4" male adapter and cap street side

## MAC LTT Mfg. DOT406 Aluminum Body Tank

6	<b>Manifold</b>	None-optional.
7	<b>Bottom Loading</b>	4" load/unload heads with integral sight glass
8	<b>Gravity Drop Adaptors</b>	Gravity drop adaptors with 4" male adapters and caps
9	<b>Sight Glass</b>	Side mounted on each bottom loading head.
10	<b>Splash Deflector</b>	Aluminum splash deflector per compartment over discharge valve.
11	<b>Brake Interlock Valves</b>	Individual brake interlock valves on bottom loading heads and curb side vapor recovery outlet.
12	<b>Pump</b>	None-optional.
13	<b>Pump/Suction Line</b>	None-optional.
14	<b>PTO</b>	None-optional.
<b>D Vapor Recovery System</b>		
1	<b>Vent</b>	Sequential 3" air operated vent in each compartment.
2	<b>Vapor Return System</b>	4" Schedule 40 aluminum pipe through shell to API. Terminate curbside with 4" adapter and cap.
<b>E Overfill System</b>		
1	<b>Overfill System</b>	Overfill System: Overfill Monitor. Overfill probes, set at 60 gallons outage. Dual socket (optic and thermistor).
2	<b>Bottom Probes</b>	None-optional.
3	<b>TIM Chip</b>	Included.
4	<b>Grounding Bolt</b>	Included.
5	<b>Overfill Controls Location</b>	Toggles, gauges, & receptacles located curbside in 22"x22"x7" cabinet with gas shock wind stay.
<b>F Trim</b>		
1	<b>Document Holder</b>	None-optional.
2	<b>Capacity/Level Indicators</b>	None-optional.
3	<b>Static Studs</b>	None-optional.
4	<b>Static Cables</b>	1/8" cable from manhole collar to bottom of tank.
5	<b>Placards</b>	Slide-in type placard holders.
6	<b>Product Indicators</b>	8-sided rotating product indicator above each loading valve.
7	<b>Gauge Stick</b>	None-optional.
8	<b>Gauge Stick Tube</b>	None-optional.
9	<b>Cone/Bucket Holder</b>	None-optional.
10	<b>Fire Extinguisher</b>	None-optional.
11	<b>Chain Hanger</b>	None-optional.
12	<b>Bumper</b>	Steel DOT Bumper

## MAC LTT Mfg. DOT406 Aluminum Body Tank

- 13 Hitch Hitch supplied and installed by the truck dealer
- 14 Mounting Tank truck body to be Installed and final assembly completed by MAC LTT Manufacturing, Inc. Customer to supply dimensional data and weight data for customer supplied truck chassis prior to production. Relocation of truck appurtenances subject to additional charge.

### G Cabinets & Components

- 1 Cabinets/Tool Box None-optional.

### H Hose Carriers

- 1 Hose Carriers (2) 7" shell length aluminum on curb side with doors at rear
- 2 Hose Carriers Locations Curbside from rear to front.

### I Ladder/Platform/Walkway

- 1 Ladder Aluminum at rear with non-slip steps
- 2 Top Walkway Non-skid tape between overturn rails.

### J Fenders

- 1 Fenders-Rear Tandem Ribbed aluminum, full tandem, double radius with mudflaps at rear. Mounted to truck frame.
- 2 Fenders-Lift Axle Ribbed Aluminum, full single radius Mounted to truck frame.

### P Air and Electrical

- 1 Tail Lights Use existing truck tail light modules
- 2 Backup Light Use existing truck backup lights
- 3 Center Stop Light None - Optional
- 4 Marker Light (2) Shell mounted Trucklite LED single function per side
- 5 Midship Turn Light None - Optional
- 6 ICC Identification Light (1) LED 3 light I.D. cluster on rear end dam plate (dual function).
- 7 License Light Streetside Rear
- 8 Backup Alarm None - Optional
- 9 Work Lights None - Optional
- 10 Extra Lights None - Optional

### Q Paint and Finish

- 1 Paint Steel parts sand blasted, primed and painted or powder coated.
- 2 Color Black.
- 3 Conspicuity At rear of tank only per DOT requirements.
- 4 Trim Tape 2" trim tape on overturn rails - Black
- 5 Decals Standard safety, DOT, warning and safety decals.
- 6 Calibration Theoretical calibration with charts in 1/4" increments.
- 7 Inspections Inspections and labels in accordance with DOT requirements.
- 8 Tests Standard PIKV and EPA Method 27 Vapor Test.
- 9 Refinery Exhibits Chevron Exhibit 'C'.