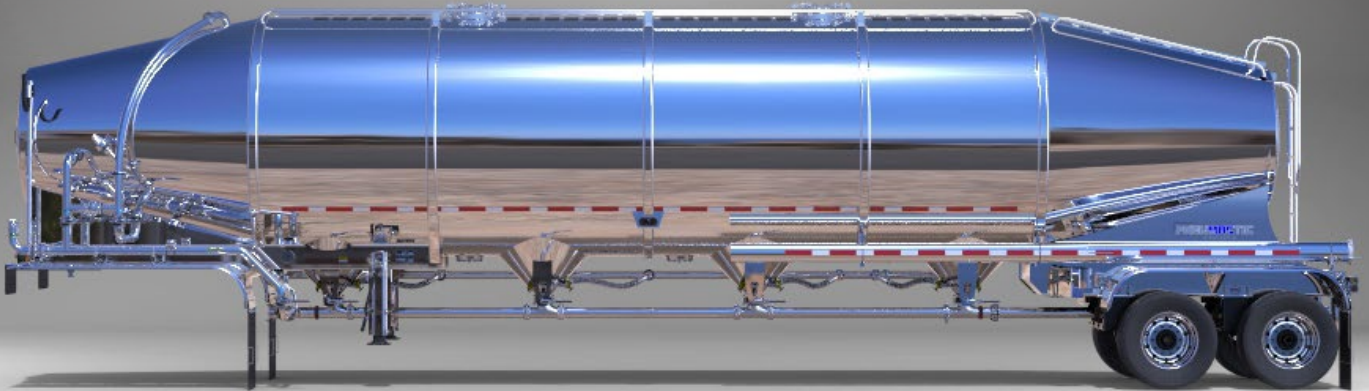




REVOLUTIONIZING THE PNEUMATIC TANK INDUSTRY!

Introducing the New **MAC-1580!**



Experience Excellence

For more information on specs and pricing for our New MAC-1580
Please contact a Salesman at 1-800-795-8454

14599 Commerce Street, Alliance, Ohio 44601
1-800-795-8454 Corporate Office
www.MACtrailer.com

VESSEL

- **Construction** - Monocoque frameless design, clean bore smooth interior with external rings.
- **Internal Treatment** - Food grade.
- **Specifications** - Maximum product temperature 185 deg. Maximum operating pressure 14.7 PSI /22.5 PSI Test pressure.
- **Vessel Construction** - 0.165" Aluminum 5454-H32.
- **Vessel Finish** - Polished vessel, end cones and hoppers.
- **Hoppers** - 45 deg. hopper slopes with weld-on lower cones.
- **Manholes** - Two (2), 20" manholes with aluminum cams and nylon wear plates located above front hopper and rear hopper.
- **Optional Washout Nipples** - Two (2), 6" nipples with adapter and dust cap located adjacent to front and rear girth seams.
- **Air Inlet** - 3" line with adapter and dust cap located street side above front fender with three BTI Optima check valves.
- **Aeration** - BTI SpinFlo aerators with food grade rubber cones and clear housings. White food grade hoses connecting to manifold.
- **Optional Aeration Control** - 3" master control butterfly valve/ 2" individual hopper control butterfly valves with stainless disc and white seats.
- **Pressure Control** - 3" butterfly valve with stainless disc and white seat located street side behind front fender.
- **Blowdown** - 3" aluminum line; 3" butterfly control valve with stainless disc and white seat.

PIPING / FITTINGS

- **Top Air** - 3" Aluminum Line with 3" BTI BlackMaxx butterfly control valve with Allomaxx disc.
- **Product Valve** - 5" BTI BlackMaxx butterfly valve with Allomaxx disc and white seat: 14" valve handle extensions.
- **Product Tee** - 5" x 4" BTI SiphonFlow straight aluminum tee.
- **Product Line** - 4" Sch. 40 aluminum product line manifold connected to product tees with groove by smooth cam-on couplings.
- **Optional Front Cleanout** - 4" cast aluminum cleanout with 4" adapter and dust cap located forward of first product tee.
- **Discharge Line** - 4" aluminum tube over axle discharge with 4" weld-on adapter and dust cap.

GAUGES

- **Tank and Line Gauges** - Two liquid fill 0-30PSI gauges located in illuminated aluminum box forward of tandem.

ACCESSORIES

- **Ladder** - Aluminum ladder located at rear with top platform landing and lower assist step.
- **Walkway** - Adhesive backed tape walkway between toe rails with aggressive tread walkway and extended handrails covering rear transition.
- **Fenders** - Aluminum single contour front and double contour rear fenders with anti-spray mud flaps.
- **Upper Coupler** - galvanized upper coupler.
- **Integral Front and Rear Frames** - Integral aluminum frames.
- **Landing Gear** - No maintenance Jost Aluminum landing gear.
- **Suspension** - Hendrickson AANT23, 77.5" track straight parallel spindle axles, AA250 air bags, galvanized frame brackets and black soft coat painted axle and trailing arms, single leveling valve and integrated dump valve.

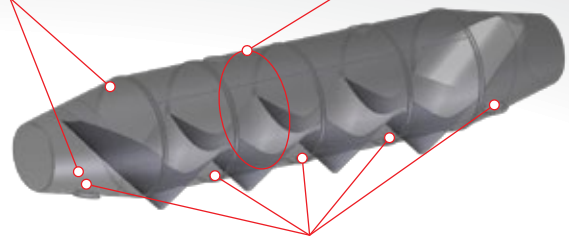
CHASSIS

- **Optional Load Gauge** - Air-Weigh LoadMaxx digital onboard scale located street side above rear fender.
- **Anti-Lock Brakes** - Meritor WABCO 4S-2M ABS with Roll Stability.
- **Wheels** - Alcoa 22.5 x 14.00 polished.
- **Tires** - Michelin X-1 Multi Energy super singles.

LIGHTS

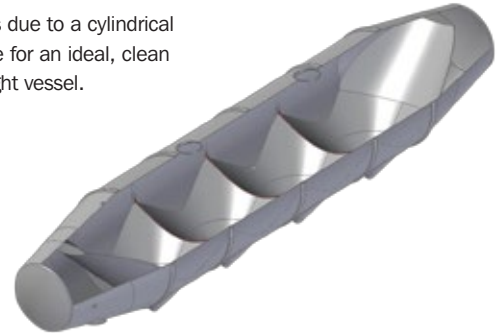
- **Lights** - Truck-Lite 5-year warranted grommet mounted LED lights and plug'n'play harness with aluminum three lamp light boxes.

Pressure from product chamber is equilized into bottom via these ports. Vessel is a completely enclosed cylinder

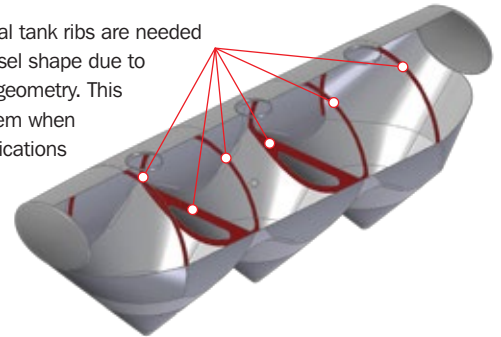


Pressure from product chamber is equilized throughout bottom of vessel

No internal ribs due to a cylindrical geometry make for an ideal, clean bore, light weight vessel.



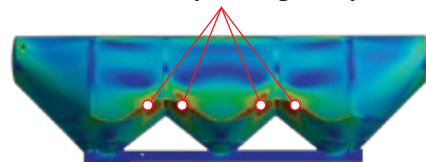
In a conventional tank ribs are needed to maintain vessel shape due to non-cylindrical geometry. This creates a problem when clean bore applications are necessary.



Cylindrical geometry distributes stress evenly throughout pressurized vessel.



Area shows high stress concentrations due to non-cylindrical geometry.



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