



NEW Aluminum Pneumatic Dry Bulk Tanker



Four Hopper – 1636 Cu. FT Capacity

Pneumatic / Vacuum Trailer





SPECIFICATIONS

PRODUCT INFORMATION: Plastic Pellets – Bulk

TRAILER WEIGHT: 12,500 LBS

Tank construction:

- **Shell:** AL 5454-H32 - ¼” Polished aluminum
Polished Aluminum
 - **Hoppers:** AL 5454-H32 - ¼” Polished Aluminum
 - **Tank Frame:** AL 6061-T6 , 12” x ½”
 - **Operating Pressure:** 15 PSI, Hydro tested @22.5 PSI
- * **End Cones:** AL 5454-H32 - ¼”
- * **Welds:** AL 5356 , Inside W-2

Suspension and King Pin End frames:

- 3/16” High Tensile DOMEX H50 Carbon Steel reinforced with cross-members, King Pin Plate 3/8” thickness.

Suspension and King Pin End frames union to tank frame:

- ¾” Grade 8 Huck Rivet Fasteners.

Domes / Man Ways:

- Four (4) 20” BETTS 8555ABF Top Mounted Man Ways 180 degree Aluminum Lid opening.

Air Service Lines:

- **Air Inlet Line:** 4” aluminum line (10sch) w/ welded 4” adapter streetside front of tank w/dust cap. One (1) 4” BTI check valve downstream of air cooler.
- **Filter/Silencer/Muffler:** BTI SPINFLOW FILTER 4x4 Premium ZC air inlet filter with polyester washable element, mounted frame rails on front frame
- **Air Cooler:** Air cooler BULK TRANSPORTATION SERVICES LLC. mounted on front of trailer, with dual 12V fans, on/off pressure switch, temperature gauges for air inlet and air outlet mounted in 4” hot air line. Power for fans wired to center box (tractor to have 30 amp circuit breaker receptacle)
- **Pressure Control Valve:** 4” BTI BLACKMAXX butterfly valve located streetside to regulate airflow for product discharge line.
- **Blow-Down Line:** 3” aluminum line (10sch) with 3” BTI BLACKMAXX butterfly valve located streetside front of tank, includes 15 PSI BTI pressure relief valve (tested and wire sealed at plant)
- **Top Air Lines:** 3” aluminum line (10sch) with 3” BTI BLACKMAXX butterfly valve located streetside front of tank
- **Product Line, Valve & Couplers:** 4” aluminum line (40sch) between hoppers. BTI “All-In-One” composite body Cam-on couplings. BTI aluminum snap joint couplings at front of #1 tee and rear of #4 tee and groove joint couplings needed to hold lines together.
5” BTI BLACKMAXX butterfly valve cast aluminum offset handle. Product valves & Air control valves operated from street side.
4” Product line clean out w/ aluminum adapter & cap forward of front hopper.
- **Rear Discharge Line:** 4” aluminum Line (40sch) straight pipe w/minimum angle drop under axles, rear discharge male adapter with polished ground smooth inside weld and dust cap at the end.
- **Gauges:** Two (2) glycerin liquid filled pressure range 0-30 PSI. One (1) for tank pressure and one (1) for line pressure. Gauges in cabinet located at rear street side

- **Vacuum Return Line:** 4" aluminum line from filter thru top front rail roadside w/inlet adapter and cap. Turned 90 degrees up.
- **Vacuum Filter and control Valve:** BTI SPINFLOW 4x4 FILTER, 4" air operated BTI BLACKMAXX butterfly valve in line connecting filter and tank. Air valve located in rear vacuum gauge box, elbow turned 90 degree up in exhaust port with 3" flex line to prevent from freezing.
- **Vacuum Relief Line:** 4" vacuum line at front. w/BTI vacuum relief valve set at 15" high.
- **Vacuum Gauges:** Two (2) glycerin liquid filled 0-30 Hg and Filter mounted in cabinet located at rear, facing to the rear.
- **Cyclone /Vacuum Filter:** 24" SOLIMAR for PET model 6070 w/20" Filter 'with 151 high density self-cleaning filter tubes, Canister mounting offset to street side. Install 10" cleanout door on curbside of filter canister.
- **Filter Dump Line:** 4" aluminum line w/ 4" BTI BLACKMAXX valve with 18" vertical cleanout line w/ 6" long sight glass.

- **Load Lines:**
 - **Short Line:** 5" aluminum (40sch) line extending to the rear of manhole #4 and separated 8" from inside top of vessel. Line parallel from top of vessel and aimed towards the center of the front head w/5" Salco (two position) load diverter to internal end of line installed operator in vacuum gauge box. Load diverter airlines to run to manhole collar and have quick-disconnect fittings for easy removal of load diverter for cleaning purposes. Internal end of line to end with 5" male adapter and external end to have male adapter and dust caps. Both the external and internal adapters welded on full flow type and internal welds to be ground smooth and flushed.
 - **Long Line:** 5" aluminum (40sch) line extending to the rear of #3 manhole from the front. Located at top of line 8" from inside top of vessel. Line parallel to top of vessel and aimed to the center of the front head. Internal end of line to end with 5" male adapter and external end to have 5" male adapter and dust cap. Both the external and internal adapters welded on full flow type and internal welds to be ground smooth and flush.

- **Miscellaneous:** All fill lines and discharge line adapters and couplers are to be welded inside and ground smooth and buffed, All U-bolts on piping and hose tubes to be covered with black poly tubing, Provide seal tabs on all product manholes, flanges, adapter caps, and snap couplets to allow seals and prevent product theft or tampering.. All butterfly valve seats and gaskets to be white non-toxic. All butterfly valve handles to be offset cast aluminum with 10-position throttle plate. All air control butterfly valves to be BTI BLACKMAXX with composite body and AIIoMaxx disc-stem with white seat, including air actuated valve between vacuum canister and tank, which is BTI BLACKMAXX with AlloMaxx disc-stem and white seat. All aluminum lines to be brushed and cleaned

Other Features:

- **Rear Aluminum Ladder:** Anti-slippery serrated top steps mounted at curbside rear, walkway on top, top rails for safety harness and (2) grab handles at chassis frame.
- **Walk-away:** Non-skid tape on top of vessel between full-length top rails. Add 19in. wide x full-length aluminum grip strut walkway on curbside
- **Hose Tubes:** (2) 7"x 21ft. long aluminum hose tubes. Mount both 7" hose tube stacked on street side full to rear. Common cast aluminum door on each end of hose tube cluster. (1) 10in. x 16ft. long aluminum hose tube on curbside and door end.
- **Hose Holder:** Adjustable height hose stand mounted at front for hose. Engineered hose hook height for minimum height with 14ft. long, 4" hose in stowed Position. Bracket for storing free end of hose on 4" male adapter located on curbside. Reinforced with triangulated brace

Upper fifth wheel Plate:

- Hi-tensile steel, bolted and adjustable with 2" forged kingpin Position plate in most forward frame position



Landing Gear:

- Holland Mark V Model LGS-3A115 rated at 65,000lbs w/crank located drivers side

Suspension:

- Hendrickson HT 300 30/25 air ride tandem axle suspension & brake system, 77.5" track, parallel spindles, 25,000Lbs. Rated Axles, 49" spacing, with single leveling valve. Hump axle.

Brake System:

- WABCO RSS 4S/2M ABS with Roll Stability (4 wheel sensors — 2 modulator valves).
- One (1) aluminum 2850 cu. in. air tank with rubber saddles and stainless steel U-bolt mounted over front of suspension frame. System designed to meet FMVSS requirements.

Wheels and Tires:

- (8) wheels Aluminum 8.25" x 22.5"
- (8) 11 r 22.5

Hubs and Drums:

- (4) Hendrickson ADI 10-stud, "Hub Pilot" (single nut mount) for outboard drums, parallel spindle and dual aluminum wheel-compatible stud length. 33mm two-piece flanged wheel nuts. Includes 75W90 synthetic hub lubrication.
- (4) Hendrickson outboard mounted brake drums (16.5" x 7")

Lights and Wiring:

- All LED lights by Grote and sealed harness in Compliance with FMVSS with 12-volt system, 7-wire, molded harness throughout. "Plug-together" modular style harness. 7-way SAE connector. (2) Combination mid-tank clearance and turn signals, one each side. (3) rear lamps, 2-red stop-tail and 1-red turn signal, in bolt-on aluminum box each side. (1) Oval third stop light, located rear center of trailer. (2) LED swivel type work lights. (1) Mounted at rear on filter housing, curbside, with switch in vacuum gauge box. (1) Mounted on front street side outrigger facing rearward with switch in pressure gauge box.
- Conspicuity tape to be on frame and conspicuity markings each side and rear in compliance with US DOT

Fenders:

- Contoured aluminum fenders at front and rear with bolt-on fender brackets. Rear fenders to be long contour at front and rear,
With rear end cut flush with bottom plane of bumper or within 1" of top plane of mud flap.

Rear Bumper:

- Aluminum, full width at rear of trailer with convenience steps.

Paint:

- Axalta Imron Elite - metallic gray paint on all steel parts and undercarriage.

Weight system:

- Right weight scale system

Lifeline; upper walkway included