

HALE TRAILER BRAKE & WHEEL



036078
VIN: 85825

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800-232-6535 *FINANCING AVAILABLE

MODEL : 1625 Cu. Ft. Super Flo Pneumatic - 4
PART NO./DRAWING Hoppers : A01-751-614

A. VESSEL

1. **Capacity** 1625 Cu. Ft. Super Flo Pneumatic - 4 Hoppers
2. **Tank Construction** Smooth interior, external rings.
Hydro tested at 22.5 P.S.I.
5454-H32 aluminum vessel.
45 degree hopper slope with weld-on spun cones.
3. **End Frame** Monocoque design with void sections over upper coupler and tandem.
4. **Interior Welds** *Class I, as welded.
5. **Manholes** 4 20" Heil heavy duty cast aluminum manhole covers, pressure type with 6 aluminum cam actuated adjustable hold downs and Nylon wear plates.

Replaceable wear plates under hold downs, two stainless steel cover retainers per manhole.
White neoprene gaskets in manhole covers.
Manholes hinge on streetside.
6. **Shell Finish** Mill finish bulk trailer sheet.
7. **Baffles** None
8. **Documentation** Professional cleaning is recommended prior to initial loading to avoid possible contamination of cargo.
180 degrees F. maximum operating temperature. Unit tested with water.
9. **Product Information** Lime
10. **Misc. Vessel** 0 None.

B. TANK FITTINGS AND PIPING

1. **Air Inlet Line** 3" Aluminum line with welded 3" adapter streetside front of tank. Air inlet line turns up 90 degrees (standard).
One (1) Knappco swing spring check valve near P.T.O. inlet.
One (1) Knappco swing spring check valve near #1 hopper valve.
2. **Aeration** *Hopper saver wear plates.
*Three (3) Solimar aerators per hopper.
3" Aluminum air manifold, 2" hoses supplying air to aeration system.
3. **Prop/Pres Ctl Valve** 3" SureSeal fig. 500, aluminum body butterfly valve (alum/bronze disc, white Nitrile seat) proportioning valve. Located roadside to regulate airflow to product



discharge line.

4. **Aeration Valve** 3" SureSeal fig. 500, aluminum body butterfly valve (alum/bronze disc, white Nitrile seat). Located roadside to regulate airflow to air manifold line.
5. **Blow-Down Line** 15-PSI pressure relief valve.
3" SureSeal fig. 500 aluminum body butterfly valve (alum/bronze disc, white Nitrile seat).
3" Sch. #10 aluminum piping.
6. **Top Air Line** *3" Sch. #10 aluminum top air line with 3" SureSeal Fig. 500 aluminum body butterfly valve (alum-bronze disc, white Nitrile seat).
7. **Product Valve** *6" SureSeal Fig. 890 butterfly, aluminum body, 255 duplex stainless disc (1 piece disc & stem), white Nitrile seat, operated from streetside with powder-coated handle.
8. **Product Tee** *6" x 4", Sch. 40 steel tees, non-gravity, groove-to-groove connections.
9. **Product Line** Zytel groove to plain clamp joint connector between hoppers, aluminum groove-to-groove couplers at front & rear.
4" Sch. #40 alum. product line between hoppers.
10. **Rear Discharge** 4" Sch. #40 steel rear discharge line running under axles to rear of trailer. Line to be straight.
Threaded aluminum male adapter (Part "A") and dust cap at end of discharge pipe.
11. **Vacuum Inlet Line** None.
12. **Load Line** None.
13. **Cyclone Filter** None.
14. **Gauges** Two (2) 4" liquid filled, one tank pressure, one line pressure. Gauge pressure range 0-30 PSI.
Gauges in cabinet with light located streetside rear, forward of tandem.
15. **Miscellaneous** 0 None.

C. ACCESSORIES

1. **Ladder** Rear center of head, aluminum, with serrated rungs & grab handles at top step.
*Ladder to have double handrails.
2. **Hose Tubes** 2 *8" x 21' long aluminum hose tube curbside rear of tank. Cast aluminum door at rear.
3. **Walkway** *Heil Tru-Tred walkway on centerline of tank (19.5 in.) for 3-4 hopper trailer.



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| 4. Tire Carrier | None. |
| 5. Cabinet | None. |
| 6. Hose Holder | P.T.O. hose holder at nose. |
| 7. Fenders | 2 Aluminum single contour front fenders.
2 Aluminum double contour rear fenders. |
| 8. Splash Guard | Anti-sail and anti spray for front and rear. |
| 9. Lights | 12 Volt Truck Lite flange mount LED lamp system complying to FMVSS with conspicuity markings each side and rear.
*Security rings for LED light system.

1 One (1) high-mounted oval third stop light, located rear center of trailer. Be sure to mount third light high as on previous ABC orders.
2 Combination mid-tank clearance and turn signals. |
| 10. Wiring | *Locate nosebox at lower s/s of front head as on previous ABC orders.
7-way ATA connector.
Two (2) aluminum light boxes at rear, one each side of tank. |
| 11. Miscellaneous | 0 None. |
- D. CHASSIS**
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| 1. Upper Fifth Wheel | 1/4" Hi-tensile steel adjustable in 2" increments with 2" forged kingpin. |
| 2. Skid Plate | Integral with upper coupler. |
| 3. Landing Legs | Binkley square model #51,000, 2-speed, 50,000 lb. with sand shoes, and streetside crank.
*Make two slots in the landing leg box per previous ABC orders. The slots should allow a mechanic to use a pair of wrenches to remove the cross tube bolt on the landing legs. |
| 4. Suspension | *Hendrickson Intraax air ride and brake system, tapered axle, 77.5" track, inverted drop center axles, 20,000 lb axle rating.
*Purchasing to contact Scott Fulton at Hendrickson for suspension part number and other details.
*Automatic dump valve system that exhausts the air from the air bags when the gladhands are disconnected or parking brakes are set. |



- 5. Brake System** *Intraax extended service brake shoes.
*Aluminum air tank system meeting FMVSS requirements. Mount air tanks in front of suspension so that they are easily accessible to a mechanic (like petro). Philips "Quick Release" gladhand on service line.
Constant power is standard on auxiliary (blue) center pin of SAE J560 7-way. 16.5" x 7" (quick change) S-cam type brake shoes.
Meritor (Rockwell) Wabco "Easy Stop" 4S-2M ABS system, (4 sensor/2 modulator). Diagnostic plug not included.
- 6. Brake Chamber** Type 30-30 parking-emergency spring brake.
- 7. Brake Lining** Non-asbestos brake lining.
- 8. Slack Adjuster** ArvinMeritor (Rockwell) automatic slack adjuster.
- 9. Axles** 2 *Axles integral with air ride.
- 10. Oil Seals** Visible caps, leather seal.
- 11. Paint** Dupont Imron 5000 series gray paint on steel parts only. Paint warranty: 3 Year prorated warranty steel parts, 4 year prorated warranty on aluminum parts.
- 12. Misc. Chassis** ***Note: This trailer will have a 102" wide stance due to the 77.5" wide axle required to accommodate the inverted drop center axle on an Intraax suspension. This does not affect the construction of the barrel, but does require modification to the rungear frame.**

E. HUBS AND DRUMS

- 1. Hubs** 4 10 Stud, "Hub Pilot" (single nut mount), aluminum hub for outboard drum (tapered spindle)
Standard hub lubrication is CD-50 synthetic transmission fluid.
- 2. Drums** 4 Centrifuse - outboard mount brake drums (16.5" x 7").

F. WHEELS

- 1. Wheels** 8 10 Stud steel 24.5 x 8.25 (Hub Pilot - single nut mount) wheels

G. TIRES

- 1. Tires** 8 Bridgestone R-196F, 11R24.5 14-Ply, 5640 lbs @ 95 psi

H. MISCELLANEOUS

- 1. Customer Supplied Parts** None.
- 2. Warranty** Standard one (1) year warranty
- 3. Other Notes**

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.