



Pricing Administration Use Only				
HT-32656.01	01			Form Rev: July 31, 2019
Quote Number	Quote Revision	Shop Order Number	Serial Number(s)	Date

**Customer**

Werts Welding & Tank Service for stock

**Base Model Part Number**

36422.1

**Specified Model Description**

APX9 1040-1,188 BBL,.3125 HDS,25 PSI,185 F,42'

**A. Vessel**

**1) Design**

: APX9 1040-1, Aluminum, Pneumatic dry bulker, Interior ring, Non-code trailer.  
 Code: Non-code  
 Capacity: 1040 cubic feet, 3 hopper  
 Compartments: One  
 Shape: Round with 45 degree discharge hoppers. Internal ring with smooth exterior.  
 Shell Material: Aluminum, 5454H32 barrel, end cone, and upper hopper section.  
 Head Material: Aluminum, .3125  
 Operating Pressure: 25 PSI  
 Design Temperature: 185 Degrees F.  
 Overall Length: 42'-6"  
 Product: Cement and Various other Dry Products; to be compatible with the materials of construction.

**B. Construction**

**1) Frame**

Front: Aluminum extruded channel, bolted or integrated to center frame.  
 Rear: Aluminum extruded channel, bolted to center frame.  
 Center: Aluminum extruded channel.  
 Struts: Aluminum extruded struts, standard duty at both ends.

**2) Manhole**

: 3 \* MM4120, 20" cast aluminum cover, six long lever aluminum cam handles hold-downs with replaceable Nylon wear plates and dual stainless steel safety retainers, 4" collar.  
 Gasket: 3 White neoprene gasket in cover, non-toxic.

**3) MH Hinge Location**

: Manhole covers hinged to curbside of trailer.

**C. Other Barrel Information**

**1) Material Finish**

: Bright mill finish.

**D. Valving and Piping**

**1) Seal provisions**

: None



## 2) Discharge valves

- : 3 \* 5" BTI BlackMaxx #5B-795-501 butterfly valves with composite fiber body, AlloMaxx disc and white Nitrile FDA seat. Aluminum lever lock handle and 5-position throttle plate.

## 3) Discharge Piping

- Discharge tee: 3 5" X 4" B.T.I. "Siphon Flow", cast aluminum. #BT-500-A
- Piping: 4" Aluminum schedule 40 between hoppers, ending at last hopper.
- Rear Discharge Pipe: 4" aluminum schedule 40 discharge, under the axles, ending at the rear of the trailer.
- Pipeline connectors: 4" bolted groove type couplers mounted at rear of rear hopper and forward of first hopper with black gaskets. Black rubber hose with stainless steel clamps between hoppers.
- Adaptor: 4" aluminum male adaptor.
- Cap: 4" aluminum dust cap

## 4) Air inlet

- : \* 3" Aluminum on roadside with front elbowed upward. One (1) 3" BTI Black Maxx butterfly valve with Allomaxx disc, and white seat. Food Grade.
- Check valves: \* Two 3" BTI Optima flanged check valves, one forward of first hopper, one near front of air inlet line.
- Adaptor: 3" aluminum male adaptor.
- Cap: None. Temporary plug for Shipping.

## 5) Aeration

- : \* 3" Aluminum aeration line controlled by 3" Black Maxx butterfly valve with Allomaxx disc disc and white seat. Three (3) BTI aerators per hopper.
- : \* 2" lightweight aeration ball valve, BTV-2AV-FTHB, for individual hopper aeration. (3 hoppers)
- Location: Aeration mounted roadside.

## 6) Blowdown

- : \* 3" Aluminum pipe and 3" BTI, BlackMaxx butterfly valve with composite fiber body, AlloMaxx disc and white Nitrile seat.
- Relief Valve: 2"BTI quick coupler Relief valve, BTVR-2650-25, in blowdown line. Relief valve to be accessible from ground level. Relief valve set at 25 PSI.

## 7) Top Air

- : None.

## 8) Gauges

- Pressure: Liquid filled, one for line pressure, one for tank pressure, enclosed in aluminum gauge box with light, located roadside, ahead of rear fender, facing forward. Pressure gauge range 0-30 PSI.

## 9) Delivery Hose

- : None.

## 11) Load line

- : None



## E. Walkway and Ladder

### 1) Walkway

Top center: Non-skid tape, full length of barrel  
Toe rail: 1 1/4" aluminum pipe each side of walkway, full length

### 2) Ladder

: Aluminum tubular with large platform step, bolt on  
Ladder Location: Mounted at rear head, centered. With step below bumper.

## F. Cabinet

### 1) Cabinet

: None. No Cabinet installed.

## G. Hose Carriers

### 1) Hose Carrier

: Aluminum tube 8" diameter x 21' long. Tube to be mounted to the outer edge of brackets.  
Hose Carrier Door: 8" aluminum door, at rear. Door hinged at bottom.  
Carrier Location: \* Mounted curbside

## H. Lights and Wiring

### 1) Lights

: 12-volt, Truck-Lite LED grommet mount lights. Combination center marker / turn signals, mounted on barrel frame.

### 2) Wiring

: Truck-Lite 88 series plug-in style harness system.

### 3) Rear Lights

: Enclosed in Aluminum light boxes.  
: \* 1 additional LED stop / turn / tail light. Total of 3 lights in each box.  
Location: Outside lights are red with center light to be amber turn.

### 4) Extra Lights

: None.

### 5) Nose box

: Standard 7 way, J560 receptacle without circuit breakers.

## I. Chassis

### 1) Upper 5th Wheel

: 5/16" Heavy duty with A.A.R. style double hubbed kingpin.  
Paint: Fifth wheel plate painted black.

### 2) Landing Gear

: SAF Holland Atlas 55, 2-speed, load bearing, sealed gear box, 55,000 lbs. rated lift capacity with 10"x10" swivel type sand shoes. Black Armour coating. No Lube, 5 year Warranty.  
Bracing: Stainless steel, with cross brace.  
Crank location: Crank handle located on roadside  
Tire carrier: None.



### 3) Suspension

	:	Hendrickson Intraax AAT23K, 23000 lb., tandem axle with standard 49" axle spacing. Hendrickson integrated axles.
Dump valve:	:	None
Hangers:	:	Galvanized hangers with soft coat applied to axle and trailing arm. (Bolt-on suspensions with aluminum subframe only)
Bumper:	:	No bumper provided.
Under-ride Protection:	:	None (no under ride required, Wheels back exempt.)

### 4) Axles

Beam:	:	Inverted axle, humped up. NOTE: Axle diameter changes to 5" with this option.
Track:	:	71-1/2" track
Spindle:	:	OEM Standard P spindles (parallel) same inner and outer bearing
Wheel seals:	:	OEM, standard w/ Hendrickson HXL
Hub & drums:	:	* HXL7 Ready to Roll, Aluminum Hub with Centifuse Drum
Miscellaneous:	:	None

### 5) Brakes

	:	OEM Standard
Anti-lock / Roll stability:	:	Wabco 4S/2M with "RSS-Plus", tandem axle roll stability support system for air-ride suspension. Wired to auxiliary blue circuit.
Brake chambers:	:	OEM type 30-30 long stroke parking-emergency spring brake.
Brake lining:	:	OEM Standard Extended service, non-asbestos
Slack adjusters:	:	OEM automatic slack adjuster.
Valves:	:	OEM Standard
Gladhands:	:	Gladhand, Phillips Quick release.
Air system:	:	One aluminum tank system. 2800 cu. in. each meeting FMVSS 121 D.O.T. specifications.

### 6) Wheels

	:	Alcoa Ultra One with clean buff finish, 22.5 x 8.25 aluminum.
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### 7) Tires

	:	11R-22.5 Cooper RM120, 14-ply.
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### 8) Fenders

Front:	:	Aluminum, single contour, ribbed, front fender, each side.
Rear:	:	Aluminum, double contour, ribbed, rear fender, each side.

### 9) Mud flaps

	:	OEM Mudflaps
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## J. Hose hook

### 1) Hose hook

	:	Adjustable hose hook mounted at front of trailer with 3" dummy adapter on curbside.
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## K. Jumper Hose

### 1) Jumper Hose

	:	None.
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## L. Miscellaneous

### 1) Decals

: Standard warning and safety package. Decals in English.

### 2) Conspicuity Tape

: Discontinuous tape

### 3) Customer Logo

: None

### 4) Document holder

: Truck Lite 97960 Certificate Holder. Install in standard location unless otherwise specified.

### 5) Placards

: None

### 6) Paint

: None. No paint or primer installed on trailer.

### 7) Interior Cleaning

: Class I, as welded. Note: Interior cleaning is recommended prior to initial loading to avoid possible product contamination.

### 8) Warranty

: OEM Warranty

### 9) Tests

: Standard testing.

### 10) Drawings

: None.