

STANDARD OPTIONS

- Tank Capacity 3200 USG +3% Outage (Approx 12 cubes)
- Design shall withstand 25-PSI internal pressure and 15 PSIG external pressure (full vacuum) and shall meet all the requirements of Section VIII Division 1 of the A.S.M.E. Boiler and Pressure Vessel Code. National Board Registered. Tank to be designed and constructed in full compliance with Department of Transportation Specifications DOT 407 / 412
- Head Material 0.3125 SA516-70
- Shell Material 0.3125 SA516-70
- Tank Diameter 78" OD
- Operating Temperature -20 to 200 Degrees F
- Hydrostatic test pressure 40.0 PSIG
- Pressure Relief 4" SS Girard Pressure vent, 25 PSIG setting mounted top of tank
- 6" internal shut-off with 12" SS float ball and cage assembly with neoprene rubber seat top front of tank.
- One bolt on anti surge mounted on reinforcing pad.
- Circumferential reinforcement rings with tank support feet.
- Front, dual center, and rear 4" pipe construction overturns with reinforcement pads and gussets
- No Manway
- Stainless Steel construction rotary float gauge with 6" float ball assembly located on front driver side with grab handle and up position tie back.
- Hydraulic full opening rear door assembly with 6 heavy duty wing clamps, neoprene rubber rear door gasket, double acting hydraulic cylinders and safety brace.
- One 6" ANSI flange Betts air operated valve and Betts actuator with 6" sand pipe / deflectorplate assembly, aluminum Kamlok fittings and one 4" ANSI flange Betts air operated valve and Betts actuator with aluminum Kamlok fittings mounted on rear head at 4:00 and 8:00 o'clock. Note the 8:00 position is not to include a sand pipe assembly.
- 6" ANSI flange Betts air operated valve and Betts actuator with aluminum Kamlok fittings mounted on rear head.
- 6" air operated butterfly valve between primary and secondary shut-off controlled by manual air switch.
- Cusco all stainless steel 30" diameter final filter assembly installed for protection of blower with 16" diameter 100 micron filter.
- High capacity cyclone assembly with 12" diameter drop box with bottom mounted clean outdoor, and 2" brass gate valve, Kamlok and cap. Cyclone installed on front of head of tank curbside.
- 6" intake and exhaust silencer with exhaust line C/W 6" aluminum Kamlock.
- Single 6" diameter composite hose with Victaulic fittings no disconnect piping to allow tank to dump with vacuum system connected, with 6" 4 way valve for vacuum unloading. Dual 6" inline check valve assemblies.
- 3-spool valve body for control of Blower/Vibrator, rear door and hydraulic dump located on the driver's side unit near control panel.
- Duravac gauge panel assembly with tank vacuum/pressure gauge, filter element vacuum gauges, tachometer, throttle control, diesel flush control and cooler override. Panel to be located on drivers side of unit near control panel.
- Western style full length side boxes for hose storage / fender assembly with heavy duty outriggers, anti-sail mud flaps and rear 45 degree full coverage tire skirt.
- Ladder assembly on water tank portion with 6-point attachment for access to water tank manway, four numbered placards and 50' static line.
- DOT rear bumper for protection of external valves with grated platform/step assembly and rear dirt shield. Rear bumper will have removable insert.

BLOWER SPECIFICATIONS

- Hibon VTB-820, 1400 CFM free air rating, 1100 CFM @ 18"Hg, 27"Hg maximum vacuum.
- Hydraulically driven from air shift PTO mounted on transmission with hydraulic pump, motor and oil cooler.
- Mounted on hydraulic dump sub-frame with suction strainer, diffuser, fill cap, hydraulic oil filters and sight glass.
- Full length hydraulic dump sub-frame with 20 ton Mailhot single acting dump cylinder, rear dump pivot assembly and safety brace.

LIGHTING

- DOT LED moisture proof lighting with rectangular three lower lamp assembly, dual upper turn and brake lamp assembly, 5 side marker lights on side tray, clearance lamps, reflectors, three in a row clearance markers, upper license plate mount and light assembly. Four rear facing rectangular halogen flood lights, and one located at blower area. One rear amber strobe light.

PAINTING

- The entire tank and body of the vacuum system shall be sandblasted and primed with two (2) coats of primer and painted with two (2) coats of single stage Sherwin Williams paint. Please note there may be an additional cost for base coat clear coat cab matches in the event that your proposed paint color cannot be matched to a Sherwin Williams single stage paint code."

CUSCO DOT DURAVAC 820 COMBO UNIT

ADDITIONAL ITEMS

- 1000 USG (approx 4 cube) steel water compartment front of waste tank, sandblasted and coated on interior with heavy duty POR15 sealant, with 20" manway, 3" air operated BF drain valve, heated supply line with valve and quick disconnect, strainer, stainless steel construction rotary float gauge with 6" float ball assembly located on front passenger side with grab handle and 3" brass fill port on curb side with line to top of compartment with kamlok and cap connection. Water tank re-circulating system with burner operational when truck is stationary.
- Cat 3560 water pump with suction strainer, pressure relief valve, two (2) steam rated Hannay hydraulic rewind hose reels c/w 75' 3/8" high pressure hose. Complete wash pump and reels mounted on passenger side, in painted steel insulated cross box with two high capacity bus heaters and polished ss doors installed behind truck cab with light and small hose access doors for hose reels. Includes handgun and steam wand.
- 980,000 BTU/hr Hotsy burner with steam kit 3000 watt 110 volt inverter with additional outlet in burner cabinet. Diesel fuel filter system with water separator. Water supplied from wash system. Burner mounted in the center of heated and insulated cross box, exhaust stack for burner. Glycol flush tank included for winterizing system.
 - 30 lb. ABC fire extinguisher mounted on drivers side
 - Hydraulic vibrator assembly mounted bottom of tank with reinforcing pad, heavy duty mounting channel, pressure relief valve and variable speed control.
 - Heated jacketed valve assembly for 4" and 6" rear valves, isolation valve, water tank drain and fill valve and cyclone drain valve.
 - One 72" toolbox mounted on driver's side sidetray, spaced up 1" from checker plate for cleaning. Note side swing doors.
 - 2 Solid mount chain hangers, one mounted each side complete with locking bar.
 - Western style side tray dirt shields.

CHASSIS

- 2014 Western Star 4900 SB, Cummins 500 HP, EATON Fuller RTLO16918B

