

STANDARD OPTIONS

- Design: Design shall withstand 25-PSI internal pressure and 15 PSIG external pressure 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 Transportation Specifications DOT 407/412 and TC 407/412
 - Tank Capacity: 360 USG + 3% Outage
 - Tank Diameter: 78" OD
 - Head Material: 0.3125 SA516-70
 - Shell Material: 0.3125 SA516-70
 - Operating Temperature: -20 to 200 degrees F
 - Hydrostatic Test Pressure: 40.0 PSIG
 - Pressure Relief: 4" SS Girard pressure vent, 25 PSIG MAWP mounted top of tank
 - Primary Shut Off: 6" internal shut-off with 9" SS float ball and cage assembly with neoprene rubber seat top front of tank
 - Baffle: One anti surge baffle mounted on reinforcing pads - bolted
 - Rings: Circumferential reinforcement rings with tank support feet as required
 - Overturn Protection: Front, center, and rear 4" pipe construction overturns with reinforcement pads and gussets; c/w overturn rings
 - Manway: 20" diameter located top of tank
 - Liquid Level Indicator: Stainless Steel construction rotary float gauge with 6" float ball assembly located on front driver side with grab handle and up position tie back
 - Rear Door: Hydraulic full opening rear door assembly with 6 heavy duty wing clamps, neoprene rubber rear door gasket, and double acting hydraulic cylinder and safety brace
 - Suction Valve: 4" Betts air operated valve at 4 o'clock position with aluminum Kamlok fittings mounted on rear head
 - Discharge Valve: 6" Betts air operated valve at 6 o'clock position with aluminum Kamlok fittings mounted on rear head
 - Isolation Valve: 6" air operated butterfly valve between primary and secondary shut-off with PTO interconnect
 - Silencers: 6" intake and 6" exhaust silencer with exhaust line
 - "Filtration System Tri-mode: High capacity, single, 20" diameter steel cyclone assembly with 12" cleanout assembly and 2" brass gate valve, Kamlok and cap.
- Single 30" diameter steel bag house assembly with 13-4" x 59" Acrylic coated bags, oil/moisture repellent, air cannon pulsation, 12" cleanout assembly, 2" brass gate valve, Kamlok and cap and hold down clamps.
- Cusco final filter assembly installed for protection of blower with 100-micron filter.
- Blower can provide both vacuum and pressure and can be selected for cyclone only or cyclone and baghouse in combination when vacuum loading."
- Piping: Single 6" diameter no disconnect piping to allow tank to dump with vacuum system connected with vacuum pump flush port, 4" blower vent valve, reinforced rubber hose, 6" x 4 way valve assembly for pressure unloading and dual 6" inline check valve assemblies
 - Blower Specifications: Hibon VTB-822 Blower
 - Drive: Hydraulically driven from air shift PTO mounted on transmission with remote mount hydraulic pump, motor and oil cooler
 - Auxiliary vacuum system: Moro PM80 air cooled vacuum/pressure pump (350 CFM free air 28" Hg) hydraulically driven from 6 bolt air shift PTO with 3" air operated isolation butterfly valve, 4" secondary moisture trap filter and muffler/oil trap assembly
 - Hydraulic Reservoir: Mounted on hydraulic dump sub-frame with suction strainer, diffuser, fill cap, hydraulic oil filters and sight glass
 - Hydraulic Dump System: Full length hydraulic dump sub-frame with 20 ton, single acting dump cylinder, rear dump pivot assembly and safety brace.
 - Vibrator: Hydraulic vibrator assembly mounted bottom of tank with reinforcing pad, heavy duty mounting channel and pressure relief valve
 - Hydraulic Controls: 4-spool valve body for control of hydraulic dump, rear door and blower.
 - Gauges: Glycerin filled vacuum/pressure gauge and hydraulic pressure gauge
 - Side Trays: Full-length side boxes for hose storage / fender assembly with anti-sail mud-flaps and rear tire skirt
 - Water Jackets: Installed on rear valves for future installation of heated valve option
 - Bumper: DOT rear bumper for protection of external valves with platform/step assembly and rear dirt shield.
 - 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 Axalta paint
 - Trim: Ladder assembly, four numbered placards, 25' static line and steel toolbox assembly
 - Lighting: DOT lighting with aluminum three lamp rear module assembly, clearance lamps, reflectors, three in a row clearance markers, two rear spotlights, and one rear amber rotating beacon
 - Back-up Alarm: back up alarm to be supplied with truck chassis
 - Heated Jacketed Valve: Assembly for 4" or 6" rear nozzles, isolation nozzle and cyclone drain valve.
 - Dual Hose Hooks: Dual rear mounted hose hooks
 - "General Notes: *Change float ball level indicator changed to side of truck
- **Four door assists
*Hydraulic overheat to back up alarm included"

CUSCO DOT OMNIVAC

CHASSIS

- 2016 Peterbilt Tandem Axle w/ Pusher Chassis, Paccar PX-9 350 HP Engine, Allison 3000 RDS-P Automatic Transmission

