

STANDARD OPTIONS

HEAD MATERIAL:

0.3125 SA516-70

SHELL MATERIAL:

0.3125 SA516-70

TANK DIAMETER:

72" OD

OPERATING TEMPERATURE:

-20 to 200 degrees F

HYDROSTATIC TEST PRESSURE:

40.0 PSIG

PRESSURE RELIEF:

4" SS Girard pressure vent, 25 PSIG MAWP setting mounted top of tank.

PRIMARY SHUT-OFF:

4" internal shut-off with 6" SS float ball and cage assembly with neoprene rubber seat top front of tank.

BAFFLE:

One anti surge mounted on reinforcing pad-bolted

RINGS:

Circumferential reinforcement rings with tank support feet.

OVERTURN PROTECTION:

Front, center, and rear 4" pipe construction overturns with reinforcement pads and gussets

LIQUID LEVEL INDICATOR:

Stainless Steel construction rotary float gauge with 6" float ball assembly located on driver side of tank c/w grab handle and up position tie-back

REAR DOOR:

Hydraulic full opening rear door assembly with 6 heavy duty door bolts, neoprene rubber rear door gasket, double acting hydraulic cylinder and safety brace.

SUCTION VALVE:

4" ANSI NVE air operated valve with actuator and 4" sand pipe / deflector plate assembly, aluminum Kamlok fittings mounted on rear head. Located at 4 o'clock.

DISCHARGE VALVE:

6" ANSI NVE air operated valve with actuator and aluminum Kamlok fittings mounted on rear head. Located at 6 o'clock.

ISOLATION VALVE:

4" air operated butterfly valve between primary and secondary shut-off with PTO interconnect.

VACUUM PUMP SPECIFICATIONS:

Fruitland RCF500 rotary vane pump, 320 CFM free air rating, 28.5" Hg maximum vacuum.

MUFFLER:

4" muffler / oil trap assembly with drain valve, 12" swing out bottom clean out and 4" exhaust adapter.

PIPING:

Single 4" diameter no disconnect piping to allow tank to dump with vacuum system connected with vacuum pump flush port and wire reinforced rubber hose.

DRIVE:

Hydraulically driven from air shift PTO mounted on transmission with hydraulic pump and motor.

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, 3 stage single acting dump cylinder, rear dump pivot assembly and safety brace.

HYDRAULIC CONTROLS:

4-spool valve body for control of hydraulic dump, rear door with over-pressure relief valve, vacuum pump and tank tie-down.

GAUGES:

Glycerin filled vacuum/pressure gauge and hydraulic pressure gauge.

ADDITIONAL FEATURES

SIDE TRAYS:

Full-length carbon steel side boxes for hose storage / fender assembly with anti-sail mud-flaps and rear tire skirt c/w sidebox ladder assembly.

TRIM:

Drivers side ladder assembly, four numbered placards, 50' static line and steel toolbox assembly.

LIGHTING:

DOT LED moisture proof lighting conformant to FMVSS 108 with three in a row clearance markers, clearance lamps, reflectors, license plate mount and light assembly, one rear amber strobe beacon and two rear facing rectangular halogen flood lights.

BUMPER:

DOT rear bumper for protection of external valves with platform/step assembly and rear dirt shield. Positioned for dual valve set-up.

PAINTING:

Sections of tank and the entire body of the rest of the unit (non-tank) are sandblasted and primed with two coats of primer and painted with two coats of single stage Axalta paint.

ADDITIONAL ITEMS INCLUDED:

- Dual rear mounted hose hooks.
- Roda Deaco Emergency Shut Off System

INSTALLATION:

Complete system installed on a 2018 Peterbilt 348 Chassis, Paccar L9350, 350HP Engine, Eaton FRO-14210C Manual Transmission

CUSCO DOT INDUSTRIAL VAC

