

## 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.

## SIDE TRAYS:

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

(3) In a row clearance markers

Clearance lamp

Reflectors

License plate mount and light assembly

One rear amber strobe beacon

Two rear facing rectangular halogen flood lights

## DUAL HOSE HOOKS:

Dual rear mounted hose hooks

## 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 (2) coats of primer and painted with two (2) coats of single stage Axalta paint.

## WATER JACKETS:

Installed on Rear Valves for future installation of heated valve option.

## ADD ON:

Roda Deaco Engine Emergency Shutoff

## INSTALLATION:

Complete system installed on a 2018 Peterbilt 348 Chassis, Paccar PX-9 350HP Engine, and Allison 3000 RDS-P Automatic Transmission

#15240

# CUSCO DOT INDUSTRIAL VAC

