

## STANDARD OPTIONS

## 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 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.

## 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 front driver side with 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, dual double acting hydraulic cylinder, and safety brace.

## SUCTION VALVE:

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

## DISCHARGE VALVE:

6" ANSI air operated valve with Betts 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.

## CARBON SCRUBBING SPECIFICATIONS:

VTS36-500; 2-stage forced induction liquid vapor scrubber unit c/w twin 500lb carbon media beds. 50 USG fire safety water immersion system included. Includes 4-way valve for scrubber unit by-pas (normal vacuum operation mode).

## VACUUM PUMP:

Moro PM100 vacuum/pressure pump, 460 CFM free air rating, 24" Hg maximum vacuum. Includes hydraulic oil cooler.

## 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 truck-side 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 and vacuum pump and tank tie-down.

## 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.

## TRIM:

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 lamps

Reflectors

Upper license plate mount and light assembly

(1) Rear Amber Strobe Beacon

(2) 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.

## 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.

## WATER JACKETS:

Installed on rear valves for future installation of heated valve option

## CHASSIS

2017 Freightliner M2 106 Conventional Chassis, Cummins ISL 350 HP Engine, Allison 3000 RDS Automatic Transmission

#13001

# CUSCO DOT INDUSTRIAL VAC SCRUBBER

