

## STANDARD OPTIONS

## CODE:

D.O.T. 412

Vessel will be constructed and certified in conformance with the ASME Boiler and Pressure Vessel Code (Section VIII, Division 1).

## TANK CAPACITY:

3,000 USG (70 BBL)

## HEAD MATERIAL:

5/16" Carbon Steel SA-516-70

## SHELL MATERIAL:

1/4" Carbon Steel SA-516-70

## TANK DIAMETER:

76" OD

## DESIGN PRESSURE: (internal)

25 p.s.i.

## DESIGN PRESSURE: (external)

15 p.s.i. (full vacuum)

## MINIMUM HEAD THICKNESS:

.2203 inches

## MINIMUM SHELL THICKNESS:

.188 inches

## HYDROSTATIC TEST PRESSURE:

37 p.s.i.

## MAXIMUM ALLOWABLE WORKING PRESSURE: (MAWP)

25 p.s.i. (limited by design)

## OPERATING TEMPERATURE:

-20°F TO 200°F

## PRIMARY SHUT OFF:

4" primary with 6" stainless steel floatball seating against a neoprene seat, ball and seat inspection and service is external.

## REINFORCEMENT RINGS:

1/2" Flat bar, external reinforcement rings

## OVERTURN PROTECTION:

Two (2), front and rear with reinforcement pads

## PRESSURE RELIEF VENT:

3" Stainless Steel 25 p.s.i. (412)

## ISOLATION VALVE:

3" air operated butterfly valve between primary shut off and secondary shut off

## HYDRAULIC COMPONENTS:

Hydraulic hoses, 80 Gal. hydraulic reservoir, with Hydraulic cooler, suction strainer, fill cap, oil filters, sight glass, 3 spool valve bank for pump, door, and hoist.

## HOIST:

3 stage 20 tons capacity, heavy-duty hinges, grease fittings, hoist safety prop.

## REAR DOOR

Full opening rear door, hydraulic operated, heavy duty wingbolt closures.

## VACUUM GAUGE:

Two (2) 30/30 Vacuum pressure gauges, one install near controls, one install on rear head

## LIQUID LEVEL INDICATOR:

External arrow rotary float gauge with 8" stainless steel floatball, Teflon packing and Teflon seat, equipped with grease fitting.

## TOP MANWAY:

One (1) 20" diameter manway with neoprene gasket

## SUCTION VALVE:

One (1) 4" air operated self-closing NVE valve coupling &amp; drip cap

## INTERNAL RISER PIPE:

4" with deflector wear plate

## DISCHARGE VALVE:

One (1) 6" air operated self-closing NVE valve coupling &amp; drip cap

## VACUUM PUMP:

RCF 500 Fruitland vacuum pressure pump, air cooled, 350 cfm free air rating, 28" HG maximum vacuum, hydraulic driven.

## DOOR SAFETY PROP

Patent pending self-engaging back door safety prop

## VACUUM LINES

3" wire reinforced, continuously grounded, neoprene vacuum / pressure hose

## PUMP MUFFLER:

Oil catch muffler with drain valve, camlock coupling for exhaust hose adapter

## PRESSURE RELIEF VALVE:

2" brass pressure valve set at 14 PSI

## VACUUM RELIEF VALVE:

1 1/2" brass vacuum valve set at 23 in.

## HOSE HOOKS

Two (2) Hose hooks mounted on rear door

## WALKWAY

Nine foot anti-skid grip strut with hand rail and fold down ladder

## HOSE TRAYS/FENDERS:

Full length combination hose trays and fenders one on each side of tank painted black

## BUMPER:

DOT Heavy Duty for valve and under ride protection

## PLACARDS:

Four (4) multi-purpose

## FIRE EXTINGUISHER:

One (1) dry chemical type for hydro carbons

## BACK-UP ALARM

Audible type

## TOOL BOX

18" x 18" x 36" Steel under bed tool box, painted black

## PAINT:

The entire tank and body of vacuum system sandblasted and primed with two coats of primer and painted with two coats of acrylic urethane paint.

## SPECIALTY SYSTEM FEATURES

Newson Gale grounding system

AMOT Engine Air Shut Off System

Transfer Pump - 3" Roper Gear Pump Hydraulic driven to convey product from vacuum tank

## CHASSIS

2019 Peterbilt 348 Chassis, PACCAR PX-9 300HP Engine, and Eaton Fuller FR-9210B Manual Transmission

#16542

# CUSCO DOT INDUSTRIAL VAC

