



# Specifications



## V.I.P. TRUCK MOUNTED VACUUM SYSTEM 82BBL

### DESIGN:

DESIGN SHALL WITHSTAND 25 PSI INTERNAL PRESSURE AT FULL VACUUM; AND 15 PSIG EXTERNAL PRESSURE. MEETS SPECIFIC REQUIREMENTS OF SECTION VIII DIVISION I OF THE A.S.M.E. BOILER AND PRESSURE VESSEL CODE. TANK TO BE DESIGNED AND CONSTRUCTED IN FULL COMPLIANCE WITH TRANSPORT CANADA SPECIFICATION CSA B620-03 FOR THE FOLLOWING SPECIFICATIONS 407; 412.

### HEAD MATERIAL:

0.3125 SA 516-70

### SHELL MATERIAL:

0.3125 SA-36

### TANK DIAMETER:

72" O.D. 180" S-S LENGTH

### TANK CAPACITY:

13 M<sup>3</sup> - 82 BBL (2870 IMPERIAL GALLON)

### OPERATING TEMPERATURE:

-20 DEG F. TO +200 DEG F.

### HYDROSTATIC TEST PRESSURE:

45.0 PSIG

### PRIMARY SHUT-OFF:

8" HEAVY DUTY INTERNAL SHUT-OFF WITH 6" S.S FLOAT BALL/CAGE ASSEMBLY AND NEOPRENE RUBBER SEAT TOP FRONT OF TANK.

### ISOLATION VALVES:

SINGLE 6" PNEUMATICALLY ACTUATED BUTTERFLY VALVE

### BAFFLE:

ANTI-SURGE MOUNTED ON REINFORCING PAD BOLT IN STYLE

### RINGS:

CIRCUMFERENTIAL RING STIFFENERS CONSTRUCTED WITH REINFORCEMENT FLAT BAR





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## **SUCTION VALVES:**

TWO – 4" BETTS AIR OPEN/SPRING CLOSED VALVE, ALUMINUM CAMLOCK FITTINGS, WATER JACKETED FOR HEAT.

## **DISCHARGE VALVE:**

ONE – 6" BETTS AIR OPEN/SPRING CLOSED VALVE, ALUMINUM CAMLOCK FITTINGS, WATER JACKETED FOR HEAT.

## **LIQUID LEVEL INDICATOR:**

STAINLESS STEEL CONSTRUCTION ROTARY FLOAT GAUGE WITH 6" S.S FLOAT BALL, TEFLON U-CAP PACKING, GREASE FITTING AND SIGHT CAGE ASSEMBLY LOCATED IN RECESS ON D/S OF TANK AT FRONT WITH GRAB STYLE INDICATOR.

## **REAR DOOR:**

HYDRAULIC FULL OPENING REAR DOOR ASSEMBLY WITH 6 HEAVY-DUTY WING CLAMPS, NEOPRENE RUBBER REAR DOOR GASKET, DOUBLE ACTING HYDRAULIC CYLINDER.

## **ROLLOVER PROTECTION:**

FRONT, CENTER & REAR, 4' PIPE WITH REPADS AND GUSSETS

## **PRESSURE RELIEF:**

ONE – 4" S.S GIRARD DOT 407/412-PRESSURE VENT 25 PSIG SETTING

## **VACUUM PUMP:**

HIBON VTB 820 (1400 CFM)

## **SILENCERS:**

ONE – 6" EXHAUST, ONE – 6" INTAKE

## **BLOWER PIPING:**

NO, DISCONNECT 6" PIPING TO ALLOW TANK TO DUMP WITH VACUUM SYSTEM CONNECTED

## **HYDRAULIC SYSTEM:**

LINDE – PISTON CLOSED LOOP.

## **HYDRAULIC DUMP SYSTEM:**

FULL-LENGTH HYDRAULIC DUMP SUB-FRAME WITH 20 TON, 140" STROKE 3 STAGE SINGLE ACTING CYLINDER, REAR DUMP PIVOT ASSEMBLY, SUB-FRAME SLIDE STOP, MOUNTED PADS AND SAFETY BRACE.



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## **COOLER:**

HYDRAULIC COOLER

## **HYDRAULIC RESERVOIR:**

85-GALLON RESERVOIR C/W INTAKE FILTER, FILL BREATHER CAP, TEMPERATURE PROBE AND SIGHT GLASS

## **CONTROL VALVE:**

SPOOL VALVE BODY CONTROL OF; VACUUM PUMP, REAR DOOR, HOIST, & VIBRATOR.

## **GAUGES:**

GLYCERIN FILLED S.S VACUUM/ PRESSURE GAUGE, HYDRAULIC PRESSURE GAUGE.

## **VIBRATOR:**

HYDRAULIC VIBRATOR ASSEMBLY BOTTOM OF TANK

## **SIDE DECK:**

FULL-LENGTH 1/8 STEEL CHECKER PLATE ASSEMBLY FENDER ASSEMBLY WITH HEAVY-DUTY OUTRIGGERS WITH REINFORCEMENTS. 1 ¼ TUBULAR HANDRAILS WITH SLANTED UPRIGHTS FOR EXTRA STRENGTH.

## **TRIM:**

FOUR NUMBERED PLACARDS, 50' STATIC GROUND CABLE TOOLBOX COMPLETE WITH RAIN LIP, ALL WEATHER SEAL, SITE TO BE DETERMINED ON SPACE AND CUSTOMER REQUEST.

## **LIGHTING:**

LED LIGHTING WITH TRUCK LIGHTS MAKE SEAL BEAM LIGHTS AT THE REAR CLEARANCE LAMP, REFLECTORS, CLEARANCE MARKERS, JUNCTION BOX, TWO REAR SPOT LIGHTS, ALL WIRING IN PLASTIC TUBING.

## **CONSOLE:**

ALUMINUM CONSOLE INCLUDES: ALL WIRING FOR HOUR METER, ALL LIGHT SWITCHES, PTO SWITCH, AIR VALVE CONTROL, HOIST CONTROL, PUMP SWITCH, ALL BREAKERS, RELAYS AND ACCESS PANEL. MOUNTED ON FLOOR BETWEEN DRIVER AND PASSENGER SEATS.

## **CYCLONE:**

HIGH CAPACITY CYCLONE MOISTURE TRAP ASSEMBLY WITH 12" FULL OPENING LID, WITH 2" QUICK ACTING BRASS DRAIN VALVE, MOUNTED ON FRONT HEAD, HEATED VALVE.

## **BUMPER:**

DOT BUMPER FOR PROTECTION OF EXTERNAL VALVES EXPANDED METAL PLATFORM/STEP ASSEMBLIES AND REAR DIRT SHIELD.



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## PAINT:

COMPLETE UNIT SANDBLASTED, PRIMED AND PAINTED WITH 2 COATS OF ENDURA PAINT.

## CABINETS:

ONE BELOW DECK, IS STANDARD, SIZE DEPENDING ON ROOM PERMITTING, STEEL BODY WITH ALUMINUM CHECKERED DOOR, ONE UPRIGHT BEHIND CAB C/W HEATER AND TOOL HOOKS

## MUD FLAPS:

FRONT AND REAR OF BACK AXLES

## PLACARD:

QUANTITY OF 4 PER UNIT

## SAFETY:

SAFETY POST FOR HOIST AND REAR DOOR. 20 LB FIRE EXTINGUISHER

## OPTIONS INCLUDED:

- CHAIN HOLDER (SLIDE OUT STYLE)
- SPEED CONTROL FOR VACUUM PUMP
- ELECTRIC BRAKE CONTROL (CAB MOUNTED)
- ELECTRIC/MANUAL HYDRA FORCE VALVE FOR VACUUM PUMP

## OPTIONS (EXTRA COST):

- CHROME PIN WHEEL, DOOR LOCK
- EMERGENCY AIR SHUT DOWN VALVE
- EXTRA CABINETS
- REAR BUMPER FITTING BOXES
- RIGGING TO ACCOMMODATE PUP VAC TRAILER
- INTERIOR TANK LINING
- ARMOURTHANE COATING – EXTERIOR COMPONENTS

EQUIPMENT WILL BE SUPPLIED AND INSTALLED ON A CUSTOMER SUPPLIED ROADWORTHY CHASSIS OR CAMEX SUPPLIED CHASSIS.

**CONTACT CAMEX FOR PRODUCT AVAILABILITY AND PRICING**

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