



# Specifications



## V.I.P. TRUCK MOUNTED COMBINATION WASH/VACUUM SYSTEM 92 BBL

### TANK CAPACITY:

3220 I.G. TWO COMPARTMENT 980 IG WATER AND 2240+ 3% DEBRIS

### 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. X 17' S – S LENGTH

### 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" AIR ACTUATED BUTTERFLY VALVE C/W SWITCH LOCATED ON DECK.

### CYCLONE:

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





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## **BAFFLE:**

ONE ANTI-SURGE MOUNTED ON REINFORCING PAD

## **RINGS:**

CIRCUMFERENTIAL RING STIFFENERS CONSTRUCTED WITH FLAT BAR

## **SUCTION VALVE:**

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-CUP 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 CONSTRUCTION OVERTURN WITH REINFORCEMENT PADS AND GUSSETS.

## **PRESSURE RELIEF:**

ONE – 4" S.S. GIRARD DOT 407/412 PRESSURE VENT 25 PSIG SETTING MOUNTED TOP OF TANK

## **VACUUM PUMP:**

HIBON VTB820 (1400 CFM) 27" HG MAXIMUM VACUUM

## **SILENCERS:**

ONE – 6" EXHAUST AND ONE 6" INTAKE

## **BLOWER PIPING:**

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



# Specifications



## HYDRAULIC SYSTEM:

LINDE PISTON (CLOSED LOOP)

## HYDRAULIC DUMP SYSTEM:

FULL LENGTH HYDRAULIC DUP 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.

## COOLER:

HYDRAULIC COOLER

## HYDRAULIC RESERVOIR:

85 GALLON RESERVOIR, WITH SUCTION STRAINER, DIFFUSER, FILL BREATHER CAP, HYDRAULIC OIL FILTER AND SIGHT GLASS

## CONTROL VALVE BANK:

SPOOL VALVE BODY CONTROL OF: REAR DOOR, HOIST, & VIBRATOR. SEPARATE CONTROLS FOR WASH PUMP (INSIDE CABINET)

## 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.



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## **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.

## **BUMPER:**

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

## **PAINT:**

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

## **MUD FLAPS:**

FRONT AND REAR OF BACK AXLES

## **SAFETY:**

SAFETY POST, HOIST, REAR DOOR, 20 LB FIRE EXTINGUISHER

## **WATER COMPARTMENT:**

21" MANWAY C/W LADDER INSIDE TANK, LADDER RUNGS OUTSIDE TANK. FLOAT LEVEL (RECESSED) INDICATOR, 2" SUCTION/DISCHARGE VALVE D/S & P/S, 2" DRAIN VALVE, INTERNAL EPOXY LINED,

## **WASH SYSTEM:**

HAWK HC950 (7.9 GPM 2500 PSI) 1400 RPM  
BAIRD PRESSURE RELIEF/UNLOADED VALVE  
HANNAY HOSE REEL (12V PRESSURE) C/W 80' X 1/2" HIGH PRESSURE HOSE  
2" Y STRAINER  
TRIGGER GUN, WAND AND NOZZLE  
STEAM REEL, STEAM HOSE, STEAM WAND & NOZZLE

## **HEATER:**

700,000 BTU DIESEL FIRED WATER HEATER

## **CABINETS:**

ONE – ENCLOSED FOR HEATER C/W ALUMINUM CHECKER DOORS  
ONE – FOR WASH PUMP & REEL (HEATED)  
ONE - TOOL BOX DECK MOUNT  
TWO – REAR FITTING BOXES MOUNTED ON BUMPER & REAR SKIRT



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## OPTIONS: (INCLUDED)

- CHAIN HOLDERS
- DIESEL FLUSH TANK
- GLYCOL TANK C/W NECESSARY FITTINGS
- SPEED CONTROL FOR VACUUM PUMP
- WATER COMPARTMENT EPOXY LINED

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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