3805 Unit "A"
SCG Industries Limited
Process Specifications & Technical Information

Vacuum Pump

1 Manufacturer: Sutorbilt
2 Model: B MP
3 Pump Speed (% of Max): 1450 RPM ( 80%)
4 Motor Rating: Class 1 Division II, 460 volt 3 phase
5 Motor Manufacturer: Teco Westinghouse
6 Motor Horsepower: 50
7 Motor Speed: 1800 rpm
8 Rated Flowrate (12"Hg max): 1300 ACFM @ 10 Hg
9 Safeties & Control: Vacuum Relief Valve, Vacuum switch, Pressure Switch, Temp switch set below flash point of Gasoline, Thermal overload on motor.
10 Temperature Switch Manufacturer: Burling
11 Temperature Switch Model: B-IC-53-CSA
12 Demisting Knock out canister: SCG model located between HVLS and pump for secondary protection
13 Inlet Particulate filter Solberg
14 Electrical Classification of Temperature Switch cl 1 div 2
15 Vacuum gauges Before and after throttle valve, filter and demister
16 Pressure Gauges after pump
17 Inlet plumbing Air dilution c/w muffler, throttle valve, and check valve

Phase Separation Vessel (HVLS)

1 Type of Separator: HVLS-1300
2 Manufacturer: SCG Industries Limited
3 Flow rate: 1300scfm, 20 gpm
4 Material of Construction: Vessel(s) Steel
5 Reservoir Volume: 30 Gallons (Lower Tank)
6 Type of Level Switch(es): Side-Mounted Level Switch H/H (upper tank), Top Mounted Level Switch (Bottom Tank)
7 Level Switch(es) Manufacturer: W.E.Anderson
8 Level Switch(es) Model: F7 SS2
9 Characteristics: No emulsion, no motors, no scaling. Liquid and sediment transferability. Air over water transfer without the use of any moving parts.
10 Water Demisting Percentage: Recovery 99.9
11 Sight Glass (Both Tanks)
12 Control System: PLC driven cycling controller c/w electric solenoids

Air Compressor

1 Type: 60 gal Vertical Compressor
2 Manufacturer: Ingersoll-Rand
3 Model: 2340L5
4 Flow Rate: 14.7 CFM @ 175 psi
5 Hydraulic Flow Rate (HVLS): 25 Gallons/Minute
6 Motor Rating: general purpose, within electrical room
7 Motor Manufacturer: Teco Westinghouse
8 Motor Horsepower: 5
9 PLC controlled continuous operation Alarm program (1 hr)
10 Voltage: 460 volt, 3 phase

Flow Stabilization Tank

1 Type: HDPE
2 Size: 175 gal
3 Features: Bottom clean out, High /High Float, Discharge flow valve.
4 Level switch-W.E. Anderson F7-SS2

Oil Water Separator

1 Model: B-25
2 Flow rate: 25 gpm
3 Material of Construction: Vessel(s) Steel Epoxy lined internal
4 Dimension: 6.5 long, 2 wide, 5.5 high
5 Type of Level Switch(es): Side-Mounted Level Switch H/H water, H/H Product
6 Level Switch(es) Manufacturer: W.E Anderson
7 Level Switch(es) Model: F7-SS2
8 characteristics: Coalescing, sediment settling, Oil Pumping option
9 Oil Sight Glass

Effluent Transfer Pumps

1 Type: Centrifugal
2 Manufacturer: Jacuzzi
3 Model: .5 hp 5DA1B 230 volt 3 ph
4 Flow Rate: 20 gpm @ 25 psi
5 Electrical Classification: Class 1 Division II
6 Control: PLC Programmable
7 Flow Meter: 1" T-10
8 Material of Construction: Vessel Steel

Enclosure

1 Type: SCG two room enclosed Trailer
2 Dimensions: 26'L x 8.5'W x 8.5'H
3 Entrance(s): Rear Double Doors, Electrical Room Man door
4 Noise Emissions: 75 dba
5 Thermal Rating: Walls and ceiling R-6 styrofoam, Floor R-8 Poly Urethane Spray foam.
6 Heater Electrical rating: Cl. 1, Div. 1
7 Heater Manufacturer: Ruffneck
8 Heater Model: FX 412480360-5
9 HeÀÀÀ HeÀÀÀ