

AES Group, Inc.

Sales • Construction • Service

- AES-Dekker Laboratory Vacuum System Model VMXVFD0303KA3-AES-SPL
 - (3) Dekker Titan single stage 20HP liquid ring vacuum pump skids.
 - 45.83 SCFM @ 25" HGVAC (Each Vacuum Pump)
 - System Components Include:
 - (3) TEFC Electric motors, 230/460 Volt, 3 Phase, Premium Efficiency.
 - (3) Flexible Couplings
 - (3) Fabricated Steel Baseplates Mounted on Common Base.
 - (3) Patented DX5 Discharge Separator-Reservoirs with 5 Stage Air/Oil Separation, Including Coalescing Filter.
 - (3) Seal Fluid Isolation Valves
 - (3) Y-Strainers
 - (3) Service Liquid Solenoid Valves, 24VDC.
 - (3) Separator Drain Valves
 - (3) Separator Sight Level Gauges
 - (3) Temperature RTD for Discharge Temperature Indication and High Temperature Protection.
 - (3) High/Low Oil Level Switches
 - (3) Air-Cooled Heat Exchanger Packages with Main Motor Driven Fan and Fan Guard.
 - (3) Inlet Check Valves
 - Inlet Manifold Including:
 - (3) Inlet Isolation Valves
 - (3) Inlet Flex Connectors
 - Manifold Piping
 - Discharge Manifold Including:
 - (3) Individual Pump Drip Legs
 - (3) Discharge Check Valves
 - (3) Discharge Flex Connectors
 - Manifold Piping
 - (3) Sets of Hydraulic Hose Seal Fluid Line.
 - **(3) Inlet Filters-Solberg ST-HV Series 3" (Specification and Data Sheet Attached)**
 - (3) Vacuum Relief Valves
 - (1) Oversized Common Base
 - Vacuum Receiver – Additional Option Item
 - (1) Vertical Vacuum Receiver 400 Gallon.
 - (1) Receiver Sight Level Gauge
 - (1) Receiver Drain Valve
 - (1) Receiver Isolation Valve
 - Electrical:
 - (3) Variable Frequency Drive Control DEK Control Panels
 - Monitors, measures, and displays performance
 - Identifies maintenance and fault conditions, prevents downtime, and preserves system quality.
 - Standard 460V, 3 Phase, 60Hz (NEMA12, CUL Listed)
 - Custom PLC with 4.3" Color Touchscreen LCD with integral hour meter
 - Across-line Magnetic Vacuum Pump Starter with 3 Phase Overload Protection
 - RTD for discharge temperature indication and high temperature protection
 - Vacuum On/Off capability with adjustable set points
 - Vacuum transducer, for vacuum level indication
 - Pressure transducer, for back pressure indication
 - 24V Power Supply
 - **(3) VFD's**
 - **BacNet and Dry Contacts Adder**

4330 Redwood Highway, Suite 100
San Rafael, CA 94903
Tel 415 507-9373 Fax 415 507-9376