AES Group, Inc.

Sales · Construction · Service

AES-Dekker Laboratory Vacuum System Model VMX0153MA3-AES-SPL

- AES-Dekker Laboratory Vacuum System Model AES-VMX0153MA3-AES-SPL
  - (3) Dekker Titan single stage 10HP liquid ring vacuum pump skids.
  - System Capacity: 150 SCFM @ 20"HGVAC – 50 SCFM @ 20"HGVAC Each Vacuum Pump
  - System Capacity: 69.9 SCFM @ 25"HGVAC – 23.3 SCFM @ 25"HGVAC Each Vacuum Pump
  - Capacity each vacuum pump 28 SCFM @ 24"HGVAC *Note the liquid ring technology may have a slight variance in CFM due to close tolerances between the vacuum pump impeller and vacuum pump body.
  - Oil is Not used as a lubricant
  - System Components Include:
    - (3) TEFC Electric motors, 230/460 Volt, 3 Phase, Premium Efficiency.
    - (3) Patented DX5 Discharge Separator-Reservoirs with 5 Stage Air/Oil Separation, Including Coalescing Filter.
    - (3) Seal Fluid Isolation Valves
    - (3) Y-Strainers
    - (3) Seal Fluid Line Check Valves
    - (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
    - (3) Vacuum Relief Valves
    - Common Baseplate to include (3) individual skids designed to fit thru 36" door.
  - Vacuum Receiver
    - (1) Vertical Vacuum Receiver 120 Gallon
    - (1) Receiver Isolation Valve
    - (1) Receiver Sight Level Gauge
    - (1) Receiver Drain Valve
  - Electrical:
    - (1) Triplex ControlDEK Control Panel
      - 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

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- Vacuum transducer, for vacuum level indication
- Pressure transducer, for back pressure indication
- 24V Power Supply
- BACNET IP - OPTION

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