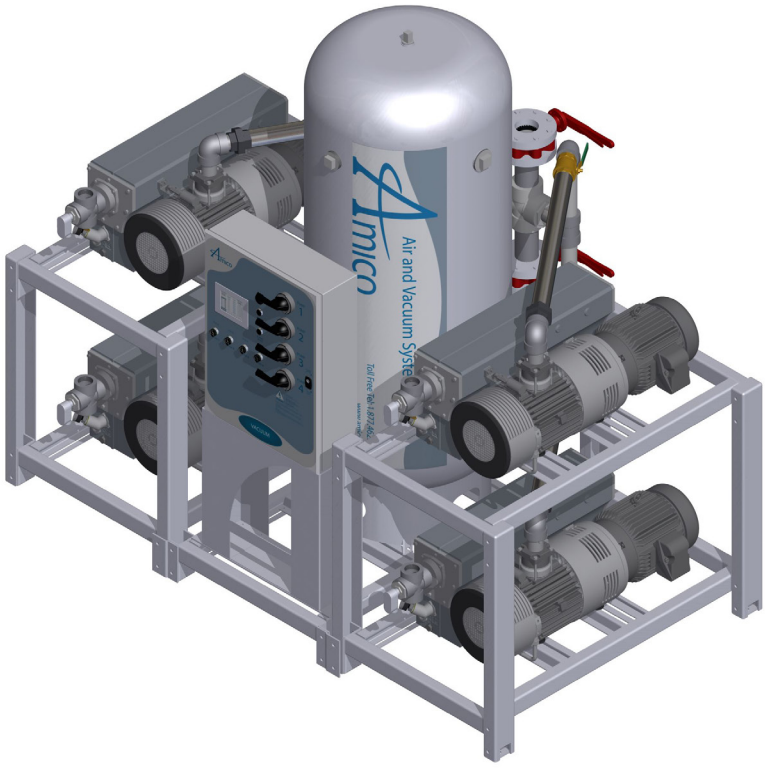
Lubricated

Rotary Vane Vacuum System



Control Panel Specifications

- UL listed control panel has a NEMA 12 enclosure.
- Externally operable circuit breakers with door interlocks, control circuit transformers with fused primary and secondary circuits, H-O-A switches and magnetic starters with three leg overload protection.
- Touch screen monitor displays the hours of operation of each pump, settings of the system and indicates any faults.
- Lighting on the H-O-A switches indicates which pump is running.
- Audible and visual local alarms are included for all required alarms and manufacturer recommended alarms.
- All control and alarm functions shall remain energized while any compressor in the system remains electrically online.
- The lag compressor shall be able to start automatically if the lead compressor fails to operate.
- Alarm contacts are provided for remote annunciation for all alarm points.
- Alarm logging within the control panel PLC (premium only).
- Ethernet connection for remote panel control (premium only).

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Specifications

- Meets or exceeds the requirements of NFPA 99.
- Package contains: lubricated rotary vane vacuum pumps, associated piping and valves, one ASME air receiver and one control panel.
- System intake, exhaust and power connection at the control panel are the only field connections required.
- Air inlet and electrical shall be completely pre-piped and pre-wired to a single point service connection.
- All interconnecting piping and wiring are completed and operationally tested prior to shipment.
- Liquid tight conduit, fittings and junction boxes for all control and power wiring are provided.

Vacuum Pump

- The medical vacuum pump shall be of the rotary vane air-cooled design with integral, fully recirculating oil supply with sight glass to indicate oil level.
- The oil separation system shall be integral and shall consist of no less than three stages of internally installed oil and smoke eliminators.
- This system shall be capable of removing 99.9+ percent of all oil and smoke particles from the exhaust. Each pump shall include a built-in, anti-suck-back valve mounted at the pump inlet and each pump shall be equipped with three non-asbestos vanes.

Vacuum Pump Drive

The vacuum pump shall be direct driven. Torque is transmitted from the motor to the pump through a shaft coupling.

Vibration Isolation System

The pumps and motor are fully isolated from the package base by means of rubber mounts.

Vacuum System Accessories

Inlet and discharge flexible connectors, inlet check valves, inlet isolation valves, gauge exhaust tee with drip-leg and drain cock valve as well as poly tubing with DISS fitting for vacuum transducer.

Intake Piping

- Each vacuum pump shall have a factory piped intake with integral flex connector, isolation valve and check valve.
- Interconnecting piping shall consist of iron/galvanized pipe and fittings.

Vacuum Receiver

- ASME construction.
- The receiver shall be rated for full vacuum service and shall be equipped with a manual valve drain.
- Rated for a minimum 200 psig design pressure.

Furnish and install, where shown on the drawing, a prefabricated desiccant air treatment system as manufactured by Amico Source Corporation.

The service of a factory trained representative shall be made available at job site to check installation and start up as well as train operating personnel in proper operation and maintenance procedures. A start-up form shall be completed at the time of start-up by a factory trained representative.

Amico Source Corporation | 85 Fulton Way, Richmond Hill, ON L4B 2N4, Canada | 600 Prime Place, Hauppauge, NY 11788, USA
Toll Free Tel: 1.877.264.2697 | Tel: 905.764.0800 | Fax: 905.764.0862
www.amico.com