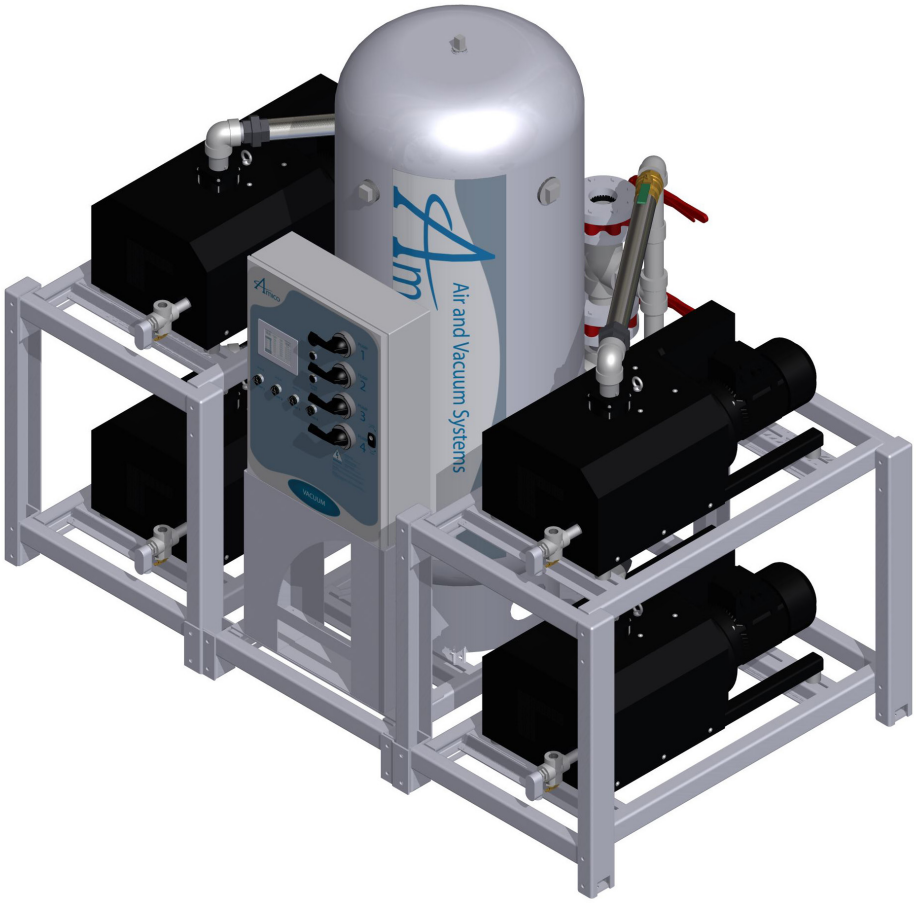
Oil Less

Contact-Less Claw 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, setting 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 compressor temperature malfunction and reserve compressor in use.
- Manual reset for thermal malfunction shutdown is available.
- 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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Vacuum System Specifications

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

Vacuum Pump

- Continuous duty, high efficiency, oil less and frictionless contact-less claw type.
- Air cooled with no water requirements, pumping chamber is oil free.
- Maintenance shall be limited to changing the gear box oil as needed.

Vacuum Pump Drive

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

Vacuum Pump Motor

- TEFC NEMA C-face
- 3600 RPM, continuous duty
- 208 V or 230-460 V, 60 Hz, 3 phase electrical service

Vibration Isolation System

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

Vacuum System Accessories

System is equipped with vacuum relief valves, check valves, inlet and discharge flexible connectors, isolation valves, high discharge temperature switches, vacuum switches, vacuum gauge and oil sight glass.

Intake Piping

- Factory piped intake with integral flex connector, isolation valve and check valve.
- Interconnecting piping shall consist of iron pipe and fittings painted white.

Vacuum Receiver

- ASME construction, epoxy lined
- Rated for a minimum 200 psig design pressure
- Rated for full vacuum service
- Manual valve drain included

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.

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