



# 15 HP Oilless Claw Medical Vacuum System

Duplex | Quadplex | Triplex | Expandable

## Features

- Optional Variable Speed Drive (VSD)
- Dry pumping chamber (no oil, no water)
- No mechanical contact between rotors
- Very low maintenance
- Ultra high efficiency
- Meets CSA 7396.1

## Specifications

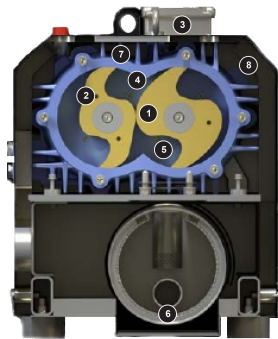
Class 1 Inc. [ ] plex modular, [expandable], oilless claw medical vacuum system, factory assembled and tested, as follows:

Model:	OLC1500-SX__VSD [2,3,4]
Capacity (each pump):	117 SCFM @ 20" Hg
Max continuous vacuum:	24" Hg
Electrical (each pump)	15HP, 575V or 208V, 3 Phase, 60 Hz
Drive Control:	start/stop or variable-speed
Receiver (optional)	200,240,400G vertical or horizontal

**Vacuum Pumps:** Rietschle VLR501 single stage, direct-driven, oilless, air cooled, rotary lobe vacuum pump each complete with:

- Precision machined hook and claw rotors premium efficiency TEFC motor shaft driven cooling fan

- 1 Rotor
- 2 Rotor
- 3 Suctio Connection
- 4 Suction channel connection 5
- Discharge channel
- 6 Pressure connection
- 7 Compressor housing
- 8 Cover



**Pump Modules:** Heavy gauge steel frame, suitable for stacking or side-by-side placement, powder-coated for corrosion resistance. Each pump module to include:

- Inlet filter with replaceable element, inlet bleed valve, and 63.5 mm liquid-filled 0 to 760 mmHg vacuum gauge
- Inlet check valve, isolation ball valve, and stainless steel flexible inlet connector
- Exhaust muffler, stainless steel flexible outlet connector, valved drip leg, and isolation ball valve.

**System Piping:** Common header to include copper or stainless steel pipe and fittings, main isolation valve, one Vacuum DISS demand check valve.



**Control Panel:** CSA approved, NEMA 12 enclosure, factory pre-wired, system mounted and tested and complete with:

- Lockable main disconnect switch
- Door interlock disconnect switch (each pump)
- Motor soft starter with motor overload protection and manual disconnect (each pump)
- Optional variable-speed motor drive (each pump)
- Main and backup control transformers with primary fusing and secondary breakers
- Manual/Off/Auto selector switch (each pump)
- 90dB alarm buzzer, silence button, alarm reset button PLC controls
- 10" touchscreen interface complete with system status and alarm events, hour meters, vacuum level, user adjustable settings, and password protection
- Main and backup vacuum sensors
- Dry contacts for site connection to Master Alarm panel for: Lag in use, general failure, motor overload, transformer failure, high vacuum and low vacuum

### Programming and Control:

- All system settings to be user adjustable and accessible with the system in operation and the control panel door closed
- Lead pump to operate and maintain a minimum vacuum level of -20"Hg
- Lead pump(s) to automatically alternate
- Lag pump to start at 16" Hg
- Lag in use alarm to require manual reset
- Maximum run operation to ensure pump alternation
- Smart Start controls to accommodate emergency generator power transfers
- Low vacuum alarm to be set at 15"Hg
- General failure alarm contacts to open on: power failure, transformer failure, selector switch not in auto position