

RCLV Series Rotary Claw Vacuum System



Applications

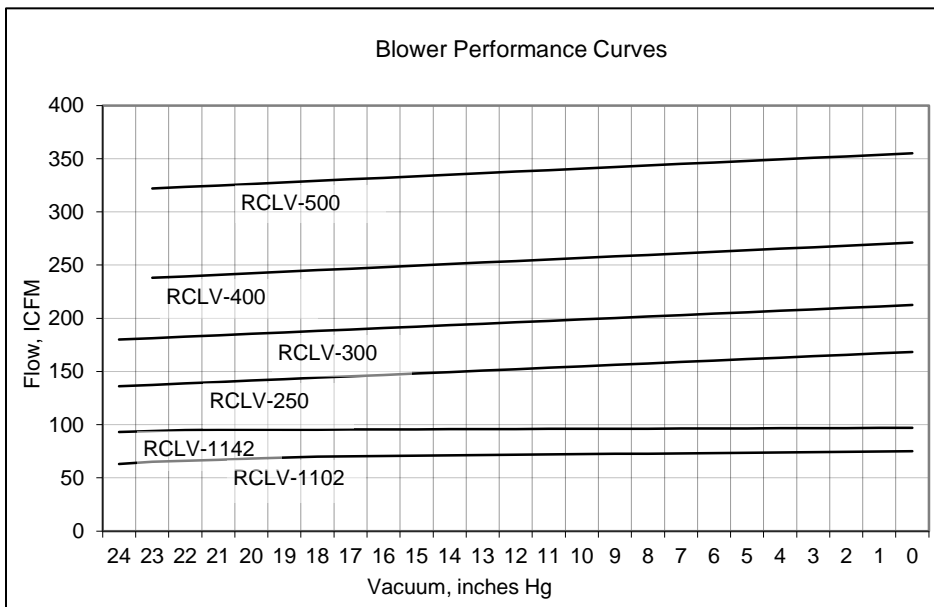
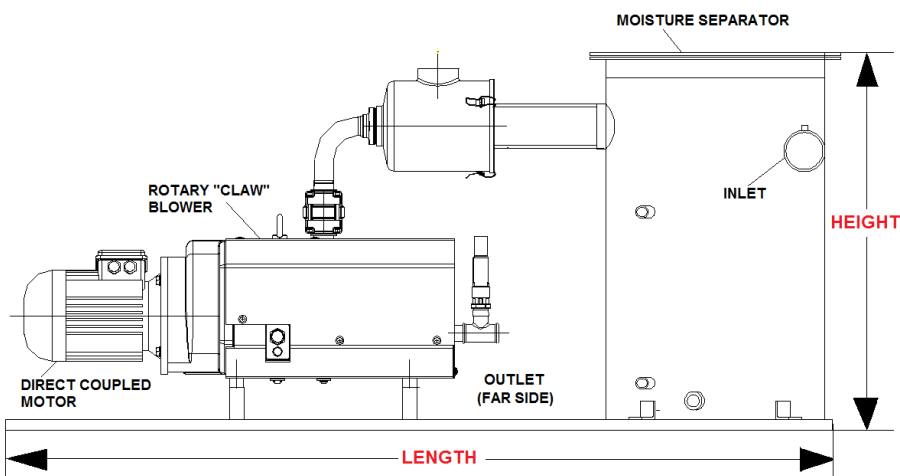
- High vacuum dual phase extraction
- Free product recovery
- Vapor extraction
- Water extraction of 24' deep recovery wells
- Deep water extraction (25'-70') with air assisted lift
- Remediation industry
- Dissolved hydrocarbon groundwater recovery

Features & Specifications

- Featuring **Rietschle** and **Busch** positive displacement blowers with cast iron casing and impellers, steel shaft, spur timing gears with splash oil lube gear box, lip seal
- High efficiency non-contacting "claw" profile allows vacuums to 25" Hg
- Oilless airstream operation, oil and grease do not contact the airstream
- Flexible coupling on blower inlet to isolate piping from blower vibration
- UL approved direct drive motor with permanently sealed ball bearings, coupling and guard, approved for Class I, Division I, Group D classified environment per NEC
- Integral Vacuum relief/air bleed valve to protect blower from damage from high vacuum conditions
- Polyester inline air filter with replaceable polyester element for 99%+ removal of 5 micron & larger particles, filter integral to separator
- VLS Welded steel separator with enamel external finish. Full vacuum design. Tangential inlet & polypropylene demister pad to 99%+ of moisture droplets 10 micron and larger
- 2" PVC site glass with stainless steel hermitically sealed float rod assembly with single or multiple floats for pump down control
- Skid mounted assembly for easy moving and handling
- Coupling guard cover per OSHA requirements
- Ducted shroud to lower ambient noise level and provide cooling
- Differential pressure gage to monitor filter
- Reactive discharge silencer to minimize radiated noise

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Model Number	Height In.	Length In.	Width In.	Blower Inlet/Outlet connection In	Motor HP	Available Voltage	Separator Holding Capacity gallons	Shipping Weight Lbs.	Max. Noise Level At 3 feet
RCLV-1102	54"	60"	24"	1 1/4" FPT	5	230/460 VAC 3phase	40	720	84 dBA
RCLV-1142	54"	60"	24"	1 1/4" FPT	7.5	230/460 VAC 3phase	40	740	85 dBA
RCLV-250	54"	76"	30"	2" FPT	7.5	230/460 VAC 3phase	40	840	82 dBA
RCLV-300	54"	76"	30"	2" FPT	7.5	230/460 VAC 3phase	40	870	83 dBA
RCLV-400	54"	82"	36"	3" FPT	10	230/460 VAC 3phase	40	940	84 dBA
RCLV-500	54"	82"	36"	3" FPT	15	230/460 VAC 3phase	40	1,050	84 dBA



Options

- Pressure relief valve
- Air bleed valve with filter/silencer
- Sound enclosure with urethane sound insulation to reduce sound level 10-15 dBA at 3'
- Centrifugal pump to pump off condensate
- Air cooled after cooler to cool exhaust for vapor GAC treatment
- Moisture separator heat trace or immersion heater for classified or non-classified electrical areas for freeze protection
- Moisture separator R-5 insulation with jacket, (steel or aluminum jacket)
- Pressure relief valve on blower discharge
- Clean out ports on moisture separator
- Flow, pressure, level & temperature gages or transmitters
- Custom control panel to control blower, pump and other equipment if required