

RLV Series

Rotary Lobe Vacuum System



Applications

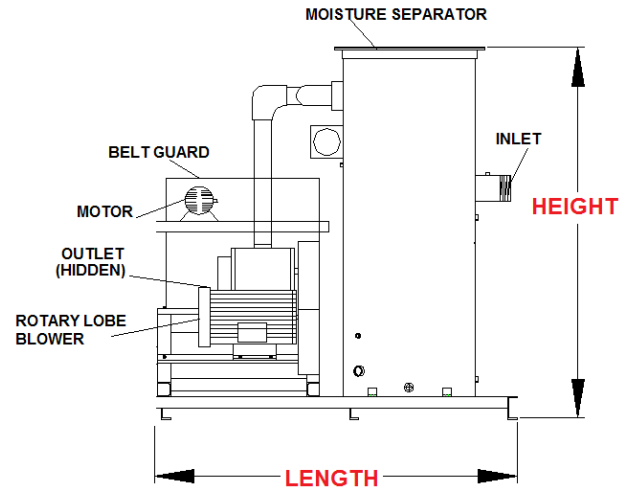
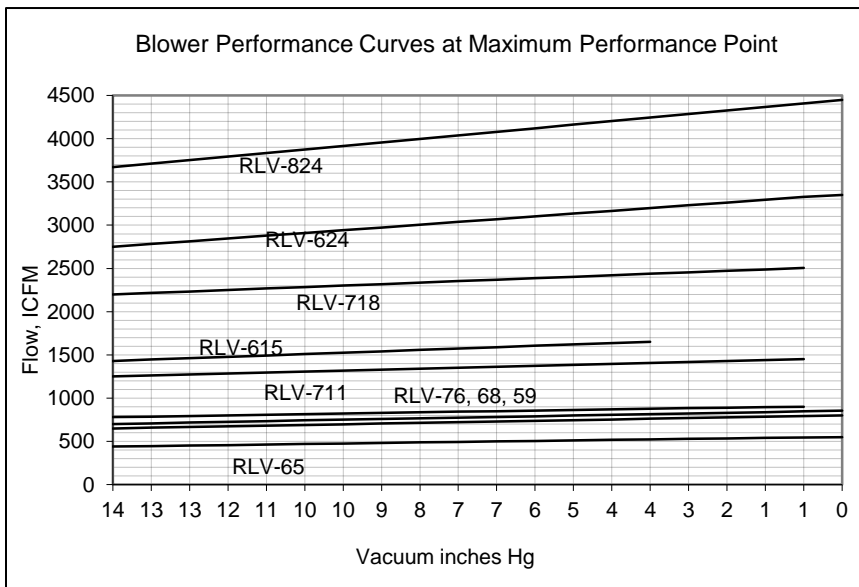
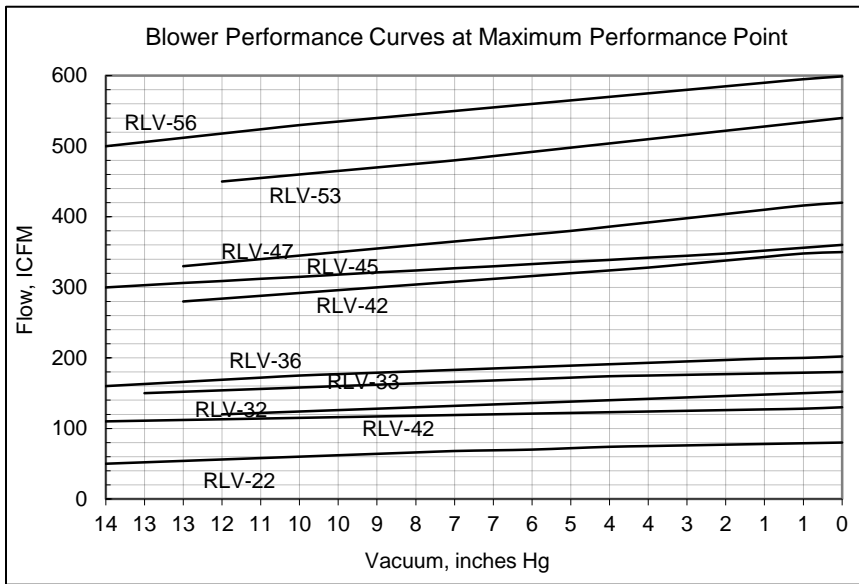
- Medium vacuum dual phase extraction
- Free product recovery
- Vapor Extraction
- Water extraction of low depth recovery wells
- Bio-pile venting action
- Remediation Industry
- Dissolved hydrocarbon groundwater recovery

Features & Specifications

- Featuring **Roots and Sutorbilt** blowers with cast iron casing and impellers, steel shaft, spur timing gears with splash oil lube, roller bearing on the drive side, lip seal
- V-Belt driven to maximize operating efficiency for actual conditions
- Oilless airstream operation, oil and grease do not contact the airstream
- Premium efficiency reactive or absorbtive silencer to minimize radiated noise
- Motor mounted on adjustable sliding base
- UL approved drive motor with permanently sealed ball bearings, coupling and guard, approved for Class I, Division I, Group D classified environment per NEC
- Vacuum relief valve to protect blower from damage from high vacuum conditions
- Belt guard cover per OSHA requirements
- Flexible couplings on blower inlet and outlet to isolate piping from blower vibration
- Differential pressure gage to monitor filter
- 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

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Model Number	Height In.	Length In.	Width In.	Blower Inlet/Outlet connection In	Max. Motor HP	Available Voltage	Separator Holding Capacity gallons	Shipping Weight Lbs.	Max. Noise Level At 3 feet
RLV-22	54"	76"	24"	1" FPT	3	230 VAC 1 phase (5hp max) 230/460 VAC 3phase	40	720	88 dBA
RLV-24	54"	76"	24"	2" FPT	5	230 VAC 1 phase (5hp max) 230/460 VAC 3phase	40	740	87 dBA
RLV-32	54"	76"	24"	1.25" FPT	7.5	230 VAC 1 phase (5hp max) 230/460 VAC 3phase	40	840	91 dBA
RLV-33	54"	76"	24"	2" FPT	10	230 VAC 1 phase (5hp max) 230/460 VAC 3phase	40	870	90 dBA
RLV-36	54"	76"	30"	2.5" FPT	15	230/460 VAC 3phase	40	1,150	90 dBA
RLV-42	54"	76"	24"	1.5" FPT	10	230/460 VAC 3phase	40	900	93 dBA
RLV-45	54"	76"	30"	2.5" FPT	15	230/460 VAC 3phase	40	1,140	93 dBA
RLV-47	54"	100"	30"	3" FPT	20	230/460 VAC 3phase	40	1,400	92 dBA
RLV-53	54"	76"	30"	2.5" FPT	15	230/460 VAC 3phase	40	1,180	93 dBA
RLV-56	54"	100"	36"	4" FPT	25	230/460 VAC 3phase	40	1,660	93 dBA
RLV-59	54"	100"	36"	4" FPT	30	230/460 VAC 3phase	40	1,770	92 dBA
RLV-65	54"	100"	30"	3" FPT	25	230/460 VAC 3phase	40	1,610	92 dBA
RLV-68	54"	114"	36"	5" FPT	40	230/460 VAC 3phase	40	2,310	93 dBA
RLV-615	78"	134"	36"	6" 150 lb flange	50	230/460 VAC 3phase	75	3,100	91 dBA
RLV-76	54"	100"	36"	4" FPT	30	230/460 VAC 3phase	40	2,000	95 dBA
RLV-711	78"	134"	36"	6" 150 lb flange	60	230/460 VAC 3phase	75	3,320	95 dBA
RLV-718	78"	126"	40"	8" 150 lb flange	75	460 VAC 3phase	75	4,000	93 dBA
RLV-624	78"	142"	40"	10" 150 lb flange	125	460 VAC 3phase	110	4,300	93 dBA
RLV-824	78"	142"	40"	12" 150 lb flange	200	460 VAC 3phase	110	5,800	93 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