

Features

- ✓ No Water ✓ Economical
- ✓ No Oil ✓ Low Maintenance

Specifications

Class 1 Inc. triplex receiver mounted oilless rotary vane medical vacuum system, factory assembled and tested, as follows:

Model: OLRV___0-R___X3
Capacity (each pump): ___ SCFM @ 20" Hg
Maximum end vacuum: 27" Hg
Electrical (each pump): ___ HP, [___]V, [] Phase, [___] Hz
Receiver Capacity: ___ USG, Horizontal

Vacuum Pumps: Becker single stage, direct-driven, oilless, air-cooled, rotary vane vacuum pump complete with:

- high strength carbon graphite composite sliding vanes
- shaft driven cooling fan, and air shroud for pump cooling
- high efficiency TEFC motor
- 5µ inlet filters with replaceable element, inlet bleed valve, and 63.5 mm liquid filled vacuum gauge
- soft-seat inlet check valve, isolation ball valve, and 316L stainless steel flexible inlet connector
- soft-seat outlet check valve, isolation ball valve, and 316L stainless steel flexible outlet connector

System Piping: Galvanized, Schedule 40, steel pipe and fittings, three receiver bypass isolation valves, one main isolation valve, and one Vacuum DISS demand check valve.

Receiver: Welded steel, ASME Certified and CRN Registered, galvanized inside and out, and complete with:

- grasshopper-style steel frame
- liquid level sight glass
- 63.5 mm liquid filled 0 to 760 mm Hg vacuum gauge
- manual bleed valve with muffler
- manual drain valve

Control Panel: CSA special inspection approved, NEMA 12 enclosure, factory prewired, system mounted and tested and complete with:

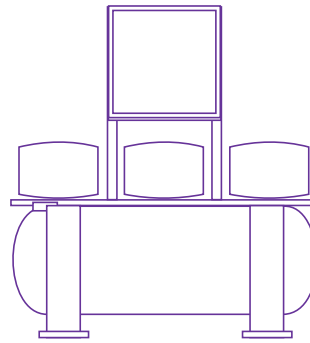
- three door interlock motor disconnect switches with lockout
- three motor circuit controllers with motor overload protection, short circuit protection, and manual disconnect
- three magnetic motor contactors
- two control transformers with primary and secondary fusing
- three Manual / Off / Auto selector switches



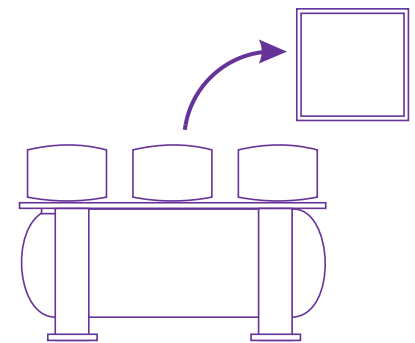
- 90 dB alarm buzzer, Silence Button, Alarm Reset Button
- PLC controls
- Dual output electronic vacuum switches complete with digital display, security, and four user adjustable setpoints.
- 4-line interactive text display complete with system status and alarm events, hour meters, user adjustable settings, and password protection.
- Numbered terminal strip with dry contacts for site connection to Master Alarm panel for: Lag / Failure; Motor Overload; Transformer Failure; Low Vacuum.

Programming and Control:

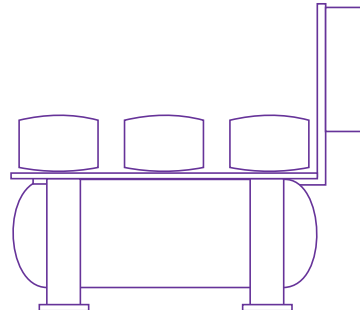
- All system settings to be user adjustable and accessible with the system in operation and the control panel door closed
- Lead pump(s) to operate between 21" Hg and 24" Hg.
- Lead pump(s) to automatically alternate.
- Lag pump to start at 20" Hg.
- Lag/Failure alarm to require manual reset.
- Minimum run operation to reduce pump cycling.
- Maximum run operation to ensure pump alternation.
- SmartStart controls to accommodate emergency generator power transfers
- Low Vacuum alarm to be set at 16" Hg.
- Lag/Failure alarm contacts to open on: Lag condition; Motor Overload; Power Failure; Transformer Failure; Selector switch not in Auto position.



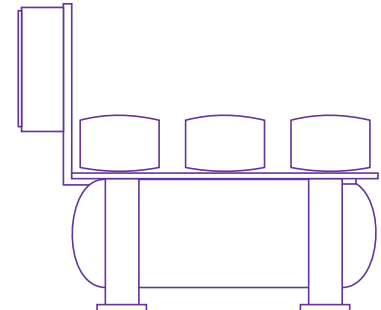
Standard



Wall-mount Panel



Right-hand Panel



Left-hand Panel

Capacities and Dimensions

HP	Model Number	*Flow Each		*Flow Total		Length		Width		Height		**Weight	
		SCFM	LPM	SCFM	LPM	In.	mm	In.	mm	In.	mm	Lb.	kg
3/4	OLRV75-R60X3	2.0	57	6.0	171	72	1829	30	762	66	1676	950	295
1	OLRV100-R60X3	3.0	85	9.0	255	72	1829	30	762	66	1676	700	318
1.5	OLRV150-R80X3	4.7	133	14.1	399	84	2134	34	864	72	1829	800	363
2	OLRV200-R80X3	7.2	204	21.6	612	84	2134	34	864	72	1829	900	408
3	OLRV300-R120X3	12	340	36	1020	96	2438	38	965	80	2032	1000	454
4	OLRV400-R120X3	16	453	48	1359	96	2438	38	965	80	2032	1200	544
5	OLRV500-R240X3	20	566	60	1698	108	2743	42.5	1080	85	2159	1600	726
7.5 [†]	OLRV750-R240X3	28	793	84	2379	108	2743	42.5	1080	85	2159	1800	816

* Flow capacities shown @ 20" Hg

**Does not include control panel

*** Weights are approximate.