



OIL-SEALED ROTARY VANE VACUUM PUMPS

KINNEY Vacuum | KVO & KVA Model Series

Kinney offers two different model series of the oil-sealed rotary vane vacuum pumps. This makes a large offering of models and range of performance. Featuring oil sealed rotary vane pumps with ultimate vacuum down to 0.075 Torr and suction capacity from 7 to 903 CFM.

Markets

- Food & Beverage
- Food Processing
- Medical
- Pharmaceutical
- R & D
- Plastics

Applications

- Freeze Drying
- Vacuum Packaging
- Filling & Sealing
- Central Vacuum Systems
- Thermoforming
- Food Packaging
- Injection Molding



Kinney KVO



Kinney KVA



Kinney KVO

The KVO vane pump is rugged and easy to service with a user-friendly layout which speeds up service. KVO pumps have a highly efficient design for not only energy efficiency, but also efficiency for CFM per HP.

- Models KVO50 – KVO1300
- Ultimate vacuum 0.075 Torr *(gas ballast blanked off)*
 - » 0.375 Torr *(gas ballast in operation)*
- Quiet, small footprint
 - » Advanced cylinder and cover designs allow for low sound levels.
- Multistage exhaust filtration system
- Rugged and easy to service, good for continuous deep vacuum duty operations
 - » Easy quarter turn bayonets to access the filters on the front of the oil separator, without the need of special tools
- Automatic gas ballast valve comes standard
- Air cooled
- Compact Design and Easy Maintenance
 - » Premium oil separator system provides multi-stage oil filtration and oil separator elements are easily accessed and replaced. No special tools are required making it quick and easy to service.
- Premium Components and High Efficiency

Kinney KVA

The KVA's simple design ensures the reliability and the durability that is required in the vacuum industry. The KVA services the lower CFM range of the Kinney oil-sealed rotary vane family.

- Models KVA25 - KVA40
 - » Include spin-on oil filter, gas ballast valve
- Rugged and Reliable
- Low Noise
 - » Quiet, due to intentional pump design and vibration isolation.
- Ideally suited for clean or moderately contaminated applications when suction filters are fitted to the pump
- Oil-flooded, multi-vane vacuum pumps are single stage, air cooled and direct driven
- Compact design for easy installation
- Carbon composite vane material for long life
- TEFC high efficiency motor *(50/60/90/380/230/460V)*
 - » Protection Class 1, Division 2, Groups A, B, C, D standard on all models

KVO & KVA Performance Specifications

Model	Nominal Displacement	Ultimate Pressure <i>Without Gas Ballast</i>	Ultimate Pressure <i>With Gas Ballast</i>	Motor	Rotation Speed	Oil Capacity	Pump Weight <i>Includes Motor</i>	Noise Level Max
	CFM / m3/hr	Torr / mbar	Torr / mbar	60Hz HP / 50Hz kW	60Hz / 50Hz	Gal. / Liters	Lbs. / kg	dB(A)
KVA-12	50Hz 6 / 10 60Hz 7 / 12	1.5 / 2.0	1.5 / 2.0	0.75 / 0.56	1740 / 1450	0.125 / 0.5	44 / 20	59
KVA-21	50Hz 12 / 20 60Hz 14 / 24	1.5 / 2.0	1.5 / 2.0	1 / 0.75	3480 / 2900	0.125 / 0.5	44 / 20	62
KVA-25	50Hz 18 / 30 60Hz 21 / 36	0.12 / 0.16	0.12 / 0.16	1.5 / 1.12	1740 / 1450	0.375 / 1.4	104 / 47	67
KVA-40	50Hz 24 / 40 60Hz 28 / 48	0.12 / 0.16	0.12 / 0.16	2 / 1.5	1740 / 1450	0.375 / 1.4	117 / 53	67
KVO-50	50Hz 29.4 / 50 60Hz 35.3 / 60	0.075 / 0.1	0.375 / 0.5	2 / 1.5	1740 / 1450	.75 / 2.8	145 / 66	67
KVO-75	50Hz 41.2 / 70 60Hz 49.4 / 84	0.075 / 0.1	0.375 / 0.5	3 / 2.2	1740 / 1450	.75 / 2.8	191 / 87	68
KVO-100	50Hz 58.9 / 100 60Hz 70.6 / 120	0.075 / 0.1	0.375 / 0.5	5 / 3.7	1740 / 1450	.75 / 2.8	256 / 116	69
KVO-150	50Hz 88.3 / 150 60Hz 106 / 180	0.075 / 0.1	0.375 / 0.5	5 / 3.7	1740 / 1450	.875 / 3.3	254 / 115	71
KVO-200	50Hz 18 / 200 60Hz 141 / 240	0.075 / 0.1	0.375 / 0.5	7.5 / 6	1770 / 1470	1.5 / 5.7	347 / 157	71
KVO-300	50Hz 177 / 300 60Hz 212 / 360	0.075 / 0.1	0.375 / 0.5	10 / 7.5	1770 / 1470	1.5 / 6.2	385 / 174	72
KVO-400	50Hz 235 / 400 60Hz 283 / 480	0.075 / 0.1	0.375 / 0.5	15 / 11	1140 / 950	3 / 11.5	1250 / 567	75
KVO-500	50Hz 324 / 550 60Hz 388 / 660	0.075 / 0.1	0.375 / 0.5	20 / 15	1140 / 950	4.4 / 17	1422 / 645	77
KVO-700	50Hz 412 / 700 60Hz 494 / 840	0.075 / 0.1	0.375 / 0.5	25 / 18.5	1140 / 950	4.4 / 17	1512 / 685	80
KVO-900	50Hz 489 / 830 60Hz 586 / 995	0.075 / 0.1	0.375 / 0.5	30 / 22.3	1140 / 950	5 / 19	1723 / 782	81
KVO-1100	50Hz 647 / 1100 60Hz 777 / 1320	0.075 / 0.1	0.75 / 1.0	40 / 30	1140 / 950	6.5 / 25	2471 / 1121	83
KVO-1300	50Hz 753 / 1280 60Hz 903 / 1534	0.075 / 0.1	0.75 / 1.0	40 / 30	1140 / 950	6.5 / 25	2486 / 1128	84



Custom Engineered Systems

Kinney's knowledgeable team of vacuum application experts can design a complete vane pump vacuum system tailored to your needs. Engineered systems can range from tank- or skid-mounted central vacuum systems, to pairing our industry-leading Kinney vacuum boosters to a rotary vane pump, which more than doubles pump-down speed while providing a deeper ultimate vacuum level.



Kinney Vacuum Booster & Custom Engineered Central Vacuum System

SERVICE AND REPAIR

MD-Kinney Springfield, Missouri, USA is here to help. Call 1-800-825-6937 or visit us online at www.md-kinney.com to be connected to a MD-Kinney application engineer.



Factory Certified Service & Repair Centers

MD-Kinney also has a network of Factory Certified Service Centers offering local support to our customers. All centers are staffed with factory-trained personnel to ensure your equipment performs to factory specifications. KVO Series repairs are only available via an Factory Certified Service Center.

TO FIND YOUR NEAREST FACTORY CERTIFIED SERVICE CENTER CALL US DIRECTLY AT 1-800-825-6937.

CONTACT US

For more information, contact your Regional Sales Manager or call us at:

1-800-825-6937

Your Local MD-Kinney Professional: