KINNEY®

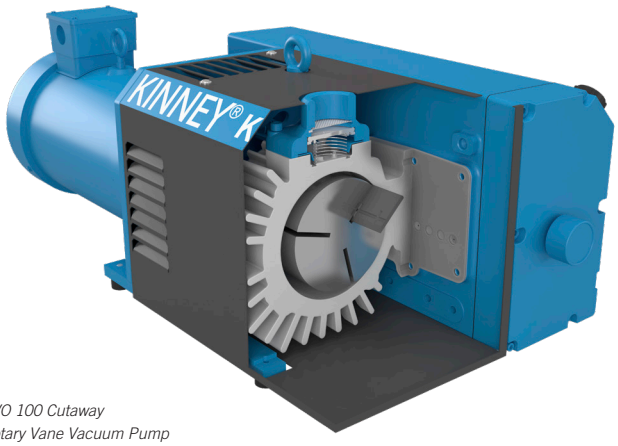
CASE STUDY

ROTARY VANE VACUUM PUMPS FOR VACUUM PACKAGING APPLICATIONS

HIGH EFFICIENCY, FAST LEAD TIME, & GLOBAL AFTERMARKET PEACE-OF-MIND

This success story is about a customer in Santiago, Chile who was looking for exceptionally quick lead times and specific equipment features for their vacuum packaging application. This customer will utilize our KVO 300 oil-sealed rotary vane pumps to build different equipment and machines to handle and package an array of products. This specific installation was for a vacuum packaging machine used to process salmon steak and the KVO was the perfect selection to take charge of their production quickly with efficiency.

The customer chose the Kinney KVO pump due to outstanding lead time on these products, quality features as well as added peace-of-mind with advanced aftermarket capabilities and support from Kinney and our local distributor in Chile.



KVO 100 Cutaway
Rotary Vane Vacuum Pump

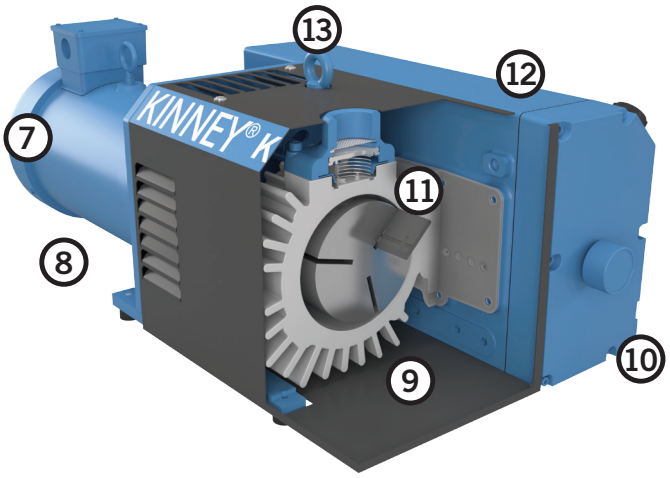
The use of vacuum pumps in the packaging process is key to extending shelf life of food products. Vacuum pumps evacuate air typically, but are also used to remove water vapor, fat, and granular materials like seasoning.In the chamber packaging process, food is placed inside a vacuum bag and loaded into a packaging chamber. Air is evacuated and the bag is heat-sealed.

Kinney KVO pumps are easy to service, compact, and quiet. This makes them a great fit to packaging applications as they can pull a deep vacuum quickly, quietly, and efficiently.

Sample of finished vacuum packaged salmon steak.

K-ACS-KaVO-VAC-PKG 2nd Ed. 3/24

KVO Vane Features (KVO 100 Models Shown)



1. LOW NOISE

Advanced cylinder and cover designs allow sound levels to be as low as 67 dB(A) for quiet operation.

2. AIR COOLED

Includes an over-sized pump cooling fan linked to the drive motor as well as vent cover openings to keep the unit cool and extend the life of the pump.

3. STANDARD GAS BALLAST VALVE

Equipped with gas ballast valve open to allow water vapor handling without needing to purchase added accessories.

4. PREMIUM OIL SEPARATOR SYSTEM

Ensures that the discharge air from the pump is virtually oil-free. This system removes 99.997% of oil from the air stream.

5. HIGHLY EFFICIENT

Low power consumption for optimal performance makes the KVO oil sealed rotary vane an energy efficient vacuum solution.

6. ULTIMATE VACUUM DOWN TO .375 TORR

Ultimate vacuum down to 0.375 Torr (with standard gas ballast) / 0.075 Torr (without gas ballast) to support your application.

7. NEMA PREMIUM MOTOR

High efficiency NEMA framed motors are compatible with variable speed drives.

8. XD VERSIONS AVAILABLE

Increased vapor tolerances and improved resistance to solvents.

9. CONTINUOUS DUTY OPERATION

Designed for continuous duty applications requiring 24/7/365 operation.

10. SMALL FOOTPRINT

Compact design to fit into nearly any space, reducing required floor space.

11. LONG LIFE VANES

Durable composite resin vanes on models KVO 50 to KVO 400. Models KVO 500 and above utilize aluminum vanes.

12. EASY MAINTENANCE

Oil separator elements are easily replaced and are accessible from the pump exterior. No special tools are required making it quick and easy to service.

13. LIFTING EYEBOLT

Lifting eyebolt for easy transport and placement. Pumping unit can be lifted and removed from the pump assembly frame and easily repaired during service intervals.

K-ACS-KaVO-VAC-PKG 2nd Ed. 3/24