

Maintenance and Spare Parts

EMTIVAC offers a full range of maintenance and refurbishment servicing for both **dooVAC** and other popular brands of vacuum pumps. Our competitively priced, comprehensive in-stock range of spare parts to suit all brands ensures any down-time is minimized. We offer experienced, qualified service tradesman to carry out routine maintenance and emergency repairs. Our aim is to maximize vacuum pump system reliability to prevent unplanned production losses.



Service Contracts

Choose one of our service contracts to suit your equipment and budget. Depending on your application, we will recommend a maintenance program to keep your pumps running in peak condition.

Our service contract entitles you to a discount on parts and gives you piece of mind that your equipment is being maintained according to manufacturers' recommendations by experts in the field.

EMTIVAC has certified health and safety system to AS/NZS 4801. We carry out job safety analysis, site induction and comply with insurance requirements.

Our engineers are available to consult regarding fine tuning your equipment and making improvements to improve efficiency, save money and reduce the carbon footprint.

EMTIVAC's competitive advantage is our experience and proven ability in designing practical solutions to improve efficiency in process systems. Our continuous aim is to maximize vacuum pump system reliability to prevent unplanned production losses.

dooVAC[®]

Rotary Oil Vane Vacuum Pumps



EMTIVAC
VACUUM PUMP & SYSTEM ENGINEERS

170-174 Discovery Road,
Dandenong South VIC 3175
Ph: 03 9768 3240 Fax: 03 9768 3250
www.emtivac.com

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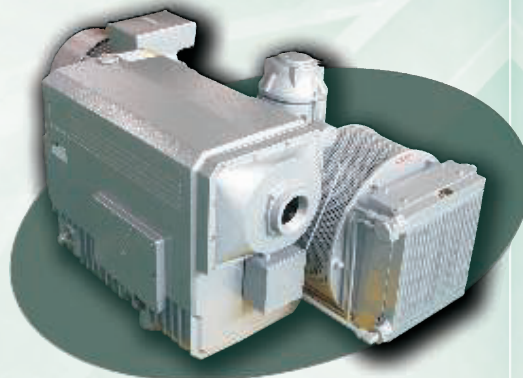
Rotary Vane Vacuum Pumps are the workhorses of the packaging industry with thousands of pumps installed in applications such as vacuum packaging, pick and place on production lines, vacuum lifting, product de-aeration and many others. **EMTIVAC** have been involved with the maintenance and sale of Oil Lubricated Rotary Vane Vacuum Pumps for over 19 years in a diverse range of applications, giving us extensive experience in matching the best vacuum equipment to demanding applications where reliability and efficiency are vital to ensure uninterrupted production.

dooVAC are an experienced high quality designer and manufacturer of Rotary Vane Vacuum Pumps for over 25 years. Based in South Korea, **dooVAC** have become leaders in the home market prior to experiencing success in exporting to Europe, North & South America and Asia.

Doovac Co. Ltd has achieved independent Certification to ISO 9001 for Quality Management, ISO 14001 Environmental Management and CE certification in accordance with the European Machinery Directives.

dooVAC's investment in advanced precision CNC machining equipment and a highly efficient and automated manufacturing facility enables us to offer the following benefits;

- Highest Quality and Efficiency.
- Competitive price for new pumps and spare parts.
- Short Delivery times, backed by EMTIVAC's large stock holding in Australia.
- World Class Reliability, backed by a class leading 2 year warranty.



0.5 mbar 400/630 m³/hr

How does the Oil Lubricated Rotary Vane Vacuum Pump Work?

The electric motor is direct coupled to the rotor which is mounted on oil lubricated bearings eccentric to the circular casing. The vanes (normally 3 vanes are fitted) slide in slots machined in the rotor against the inside of the casing by centrifugal force.

As the rotor spins gas flows into the enlarging suction chamber and is enclosed between adjacent blades, the enclosed gas is then compressed until it is exhausted through the outlet valves to atmospheric pressure.

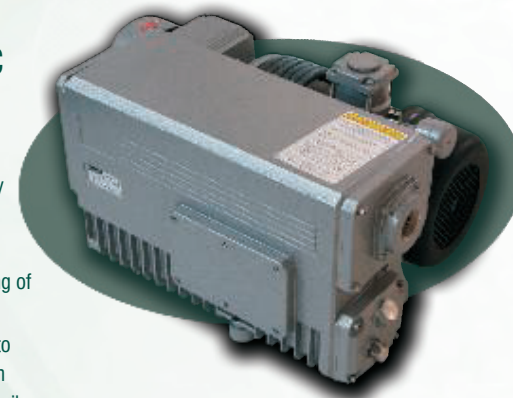
The lubricating oil is separated from the air in the discharge chamber, fine coalescing filters are used to purify the exhaust air and recover all of the oil.

The recovered oil is recirculated through a filter and air cooler by the vacuum pump suction pressure.

This reliable and proven design can operate at very high vacuum levels to 0.5 mbar Absolute Pressure which is equivalent to 101 kPa Vacuum.

Additional Features of the dooVAC Rotary Vane Vacuum Pumps.

- Highest Quality Materials and workmanship
- High Quality Composite Vanes for long life and reliability
- Suction Non Return Valve as Standard prevents reverse rotation on shut down
- Standard with Gas Ballast to enable trouble free pumping of water vapour
- Wide range of accessory equipment available to adapt to specific applications including, suction filtration, suction separation vessels for liquids and solids, suction cups, oil level and temperature switches.



0.5 mbar 200/300 m³/hr

dooVAC Performance Table. Oil Lubricated Rotary Vane Vacuum Pumps. Model No.: MVO 010 - 630

TECHNICAL DATA	MVO 010	MVO 020	MVO 041	MVO 064	MVO 101	MVO 200	MVO 300	MVO 400	MVO 630
Capacity @ 50Hz m³/hr	10	20	40	63	100	200	300	400	630
Ultimate Pressure mbar	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Motor Version (3~) V	415	415	415	415	415	415	415	415	415
Motor Version (1~) V	240	240	-	-	-	-	-	-	-
Motor Rating (3~) kW	0.42	0.75	1.5	2.2	3.0	5.5	7.5	11	15
Motor Rating (1~) kW	0.55	0.95	-	-	-	-	-	-	-
Motor Speed rpm	1420	2850	1420	1420	1420	1455	1455	980	980
Sound Level @ 50Hz dB(A)	58	61	67	68	70	72	74	70	72
Rated Ambient Temp. °C	40	40	40	40	40	40	40	40	40
Oil Capacity Litre	0.4	0.4	1.0	2.0	2.0	7	7	13	15
Weight kg	20	20	38	64	75	185	218	550	670



0.5 mbar 10/20 m³/hr

Typical Industries and Applications

- Meat Industry - Vacuum Packing of Fresh and Processed Meat Products
- Plastics Industry Vacuum Conveying of Pellets
- Composites Industry Vacuum degassing of resins, Vacuum Pressing and Resin Infusion.
- Packaging Industry Vacuum Holding, Tray Forming, Labeling, Vacuum Lifting, Central Systems
- Hospitals & Laboratories Central Vacuum Systems
- Food Industry Vacuum Cooling, Freeze Drying & Vacuum Packing
- Pharmaceutical Industry Degassing, Central Vacuum, Vacuum Packing
- Dairy Industry Pneumatic Conveying, Vacuum Packing



0.5 mbar 40 m³/hr