

ZEROVAC ARV-16 / 24 / 30

Two-Stage Oil-Sealed Rotary Vane Vacuum Pumps



ARV-16 • ARV-24 • ARV-30

■ TWO-STAGE DESIGN

- Oil-recirculating, two-stage rotary vane design
- Direct-drive, air-cooled design
- Standard gas ballast for process flexibility

■ HIGH VACUUM PERFORMANCE

- Ultimate pressure: 1×10^{-4} mbar
- 50 / 60 Hz operating data
- No cooling water required

■ PUMPING SPEED & CONNECTIONS

- 16–30 m³/h (50 Hz) • KF 25
- 560×192×320 mm
- Compact footprint with easy service access
- Suitable for laboratory and industrial vacuum processes

Applications

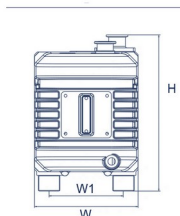
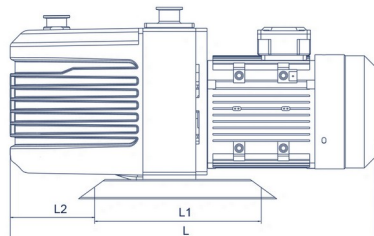
- High-vacuum backing pump
- Gas leak detection systems
- Electron microscopes
- Freeze drying
- Analytical instruments
- Coating systems
- Plasma applications
- Laboratory systems
- Industrial vacuum processes

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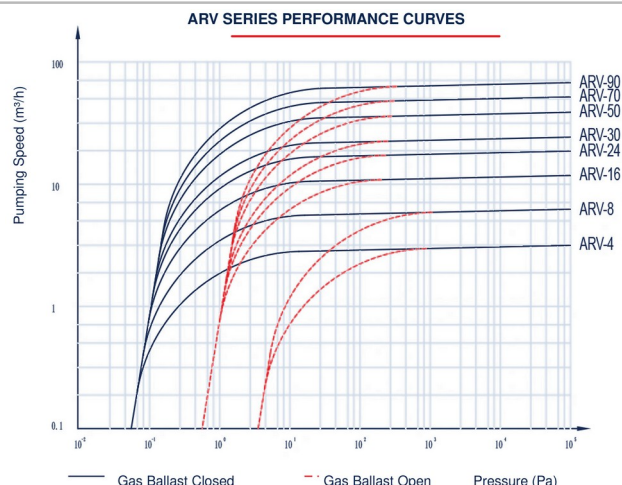
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Installation / Dimensional Drawing



ARV Series Performance Curves



Models shown: ARV-16, ARV-24, ARV-30. The chart includes all eight ARV models; pumping speed is in m³/h and pressure in Pa.

Technical Data

50 / 60 Hz

Specification	ZEROVAC ARV-16	ZEROVAC ARV-24	ZEROVAC ARV-30
Nominal Pumping Speed at 50 / 60 Hz (m³/h)	16 / 19.2	24 / 28.8	30 / 36
Ultimate Pressure – Gas Ballast Closed (mbar)	1×10^{-4}	1×10^{-4}	1×10^{-4}
Ultimate Pressure – Gas Ballast Open (mbar)	4×10^{-3}	4×10^{-3}	4×10^{-3}
Motor Power (kW)	0.75	0.75	1.1
Inlet / Exhaust Flange	KF 25	KF 25	KF 25
Oil Capacity (L)	1.5	2	2
Motor Speed at 50 / 60 Hz (rpm)	1440 / 1720	1440 / 1720	1440 / 1720
Ambient Temperature (°C)	5–40	5–40	5–40
Noise Level [dB(A)]	<58	<58	<60
Dimensions L×W×H (mm)	560×192×320	560×192×320	560×192×320
Weight (kg)	30	35	38

FOR MORE INFORMATION

Contact our sales team for technical support, product selection, or a tailored quotation.

info@zerovakum.com.tr
 +90 212 656 29 08
 www.zerovakum.com.tr