

ZEROVAC ARV-50 / 70 / 90

Two-Stage Oil-Sealed Rotary Vane Vacuum Pumps



ARV-50 • ARV-70 • ARV-90

■ 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

- 50–90 m³/h (50 Hz) • KF 40
- 700×260×460 mm
- Compact footprint with easy service access
- Suitable for laboratory and industrial vacuum processes

Applications

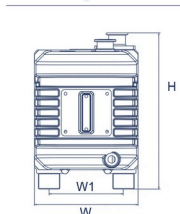
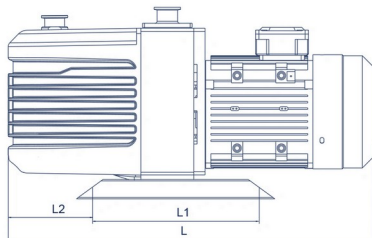
- High-vacuum backing pump
- Gas leak detection systems
- Electron microscopes
- Freeze drying
- Analytical instruments
- Coating systems
- Plasma applications
- Laboratory systems
- Industrial vacuum processes

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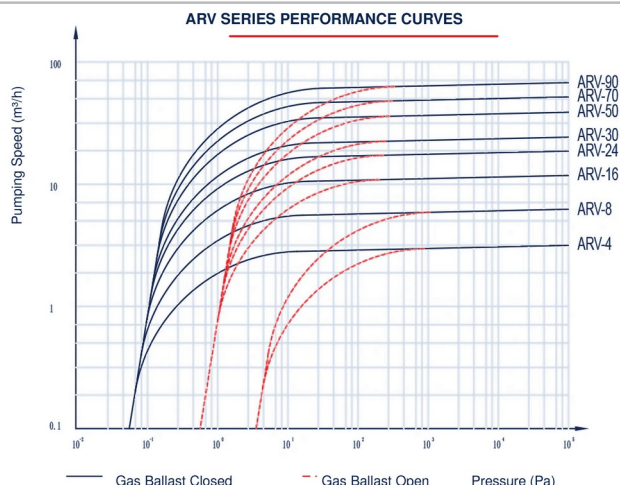
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Installation / Dimensional Drawing



ARV Series Performance Curves



Technical Data

50 / 60 Hz

Specification	ZEROVAC ARV-50	ZEROVAC ARV-70	ZEROVAC ARV-90
Nominal Pumping Speed at 50 / 60 Hz (m³/h)	50 / 60	70 / 84	90 / 108
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)	1.5	1.5	1.5
Inlet / Exhaust Flange	KF 40	KF 40	KF 40
Oil Capacity (L)	4.5	4.5	4.5
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)]	<62	<62	<62
Dimensions L×W×H (mm)	700×260×460	700×260×460	700×260×460
Weight (kg)	38	65	70

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