

Refrigeration & Air-Conditioning Technology

Vacuum Pump (dual voltage)

ROAIRVAC (dual voltage)

Two-stage vacuum pump

For evacuation in accordance with **DIN 8975** with vacuum gauge and solenoid valve



Incorporates many unique operating features

Product Profile

KEY FEATURES

- Solenoid check valve to protect the refrigeration system from oil contamination during power outage
- Vacuum gauge with integrated drag indicator enables simple and quick control of the evacuation process
- Protects the integrated components with the light and high quality casing
- Gas ballast valve for reduction of water vapour in the oil container
- Special filter reduces oil mist on exhaust vent

KEY FEATURES

- Gauge-glass enables easy oil-stand monitoring
- Fast filling of oil without spilling, no special funnel is necessary
- Easy access to the oil drain plug makes emptying quick
- Thermal switch protects the unit from the motor overheating
- Standard 1/4" SAE connection, as well as 5/16" SAE and 3/8" SAE adaptor included in delivery
- Removable cable prevents cable damage



1/4" SAE standard connection with adaptors for 5/16" SAE and 3/8" SAE



Optimal positioned viewing glass and oil drains for simple draining of the oil



Practical: operating instructions always within view



Refrigeration & Air-Conditioning Technology

Vacuum Pump (dual voltage)

ROAIRVAC Series (dual voltage)

Two-stage rotary vane pump for evacuation
in accordance with DIN 8975

| Type | ROAIRVAC 1.5 | ROAIRVAC 3.0 | ROAIRVAC 6.0 | ROAIRVAC 9.0 |
|------------------|--|--|--|--|
| No. | R170061 | R170062 | R170063 | R170064 |
| Pump rating | 1.5 CFM / 42 l/min / 2.5 m ³ /h | 3.0 CFM / 85 l/min / 5.1 m ³ /h | 6.0 CFM / 170 l/min / 10.2 m ³ /h | 9.0 CFM / 255 l/min / 15.3 m ³ /h |
| Vacuum stages | 2 | 2 | 2 | 2 |
| Final-vacuum | 25 micron / 0.034 mbar | 25 micron / 0.034 mbar | 25 micron / 0.034 mbar | 25 micron / 0.034 mbar |
| Motor rating | 190 W / 1720 r/m | 250 W / 1720 r/m | 375 W / 3440 r/m | 750 W / 3440 r/m |
| Voltage | 230 V / 110 V | 230 V / 110 V | 230 V / 110 V | 230 V / 110 V |
| Frequency | 50 Hz / 60 Hz | 50 Hz / 60 Hz | 50 Hz / 60 Hz | 50 Hz / 60 Hz |
| Connections | 1/4" | 1/4" | 1/4" | 1/4" |
| with adaptor | 5/16" SAE M / 3/8" SAE M | 5/16" SAE M / 3/8" SAE M | 5/16" SAE M / 3/8" SAE M | 5/16" SAE M / 3/8" SAE M |
| Oil capacity | 250 ml | 330 ml | 330 ml | 590 ml |
| Weight | 9.0 kg | 10.7 kg | 11.5 kg | 17.0 kg |
| Pressure gauge Ø | 50 mm | 50 mm | 50 mm | 80 mm |
| Measuring unit | KPa | KPa | KPa | KPa |



ROAIRVAC 1.5 (42 l/min)



ROAIRVAC 3.0 (85 l/min)



ROAIRVAC 6.0 (170 l/min)

Mineral oil is included in all pump deliveries



ROAIRVAC 9.0 (255 l/min)



ROAIRVAC – vacuum pump in use with the digital manifold



ROAIRVAC Vacuum pump includes: Vacuum pump with 1/4", 5/16" and 3/8" SAE connections & plastic bottle with mineral oil

| Model | Performance | kg | No. |
|----------------------|-------------|------|----------------|
| ROAIRVAC 1.5 | 42 l/min | 9.0 | R170061 |
| ROAIRVAC 3.0 | 85 l/min | 10.7 | R170062 |
| ROAIRVAC 6.0 | 170 l/min | 11.5 | R170063 |
| ROAIRVAC 9.0 | 255 l/min | 17.0 | R170064 |
| Mineral oil, 1 litre | – | 1.1 | 169200 |