

VACUUM PUMP

Operating Manual

Please read the operating manual carefully before using

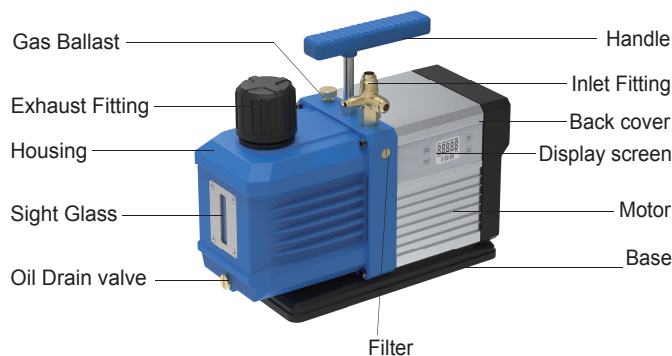


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Safety warning

1. The inlet port is not allowed to operate for more than 3 minutes when connecting to the atmosphere directly.
2. Operating temperature : -20 C - 40 C .
3. Please ensure the voltage marked on the nameplate is consistent with the local voltage before use, Power plug has to be connected to a grounded receptacle.
4. Before the vacuum pump is connected to the refrigeration system, please ensure the refrigerants were recovered from the system, otherwise, it will damage the pump body.
5. Wear goggles during operating.
6. Do not touch refrigerants directly to prevent personal injury .
7. Do not touch the oil tank or motor housing during operation, due to generated heat during working.
8. Ensure that the POWER switch is in OFF position before power connection.
9. To reduce the risk of injury, care should be taken when moving this machine. When recovering the R32 and HFO-1234yf, please be sure to operate the machine at cool and ventilated place.

Appearance of the structure



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Specification

Model	AVP-16	
Nominal Voltage	220-240V ~ 50/60Hz	100-127V ~ 50/60Hz
Flow Rate	16CFM	
	453L/min	
Ultimate Vacuum	7.5 microns	
Power	1HP	
Inlet port	1/4" & 3/8" & 5/8" SAE	
Oil Capacity (ml)	600	
Dimensions (mm)	332×142×278	
Weight (kg)	12.0	

Technical parameters of built-in vacuum gauge

Maximum overload pressure	14PSI/0.1Mpa
Range	0~10000 Pa、 0~100.00 mBar、 0~75.000Torr、 0~75000 Micron
Resolution	0.01 (<10Pa) 、 0.0001 (<10mbar) 、 0.0001 (<10Torr) 、 1 (<30000Micron)
Measuring accuracy	2-100Pa: ±5% of reading (20 C)
Unit	Pa、 mbar、 Torr、 Micron Remark: Micron=mTorr, Torr=mmHg)
Refresh rate	0.5 second
Sensor	Pirani sensor
Applicable environment	Atmospheric Environment
Other functions	Acousto-optic alarm, leakage alarm, time

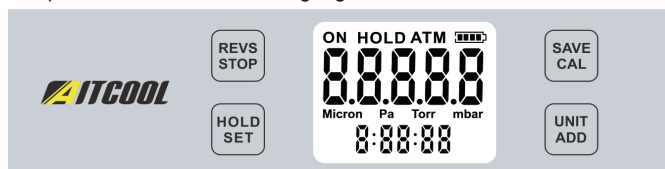
Pump operating instructions

1. Oil Filling: The oil level should be between the MIN and MAX lines on the sight glass when the pump is running. Insufficient oil will affect the

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vacuum degree and service life; Excessive of oil will produce more oil mist.

2. Connect the vacuum pump with vacuum system with suitable hose shorter hose is better.
3. Operation of built-in vacuum gauge



REV'S/STOP	Adjust the motor speed / pause
SAVE/CAL	Save alarm value / calibration
HOLD/SET	Data hold / alarm value setting
UNIT/ADD	Unit shift / alarm value set

Operation of REV'S/STOP

1. After turn on ,the vacuum pump starts to run after the preheating of the vacuum gauge (about 6S for preheating).
2. The vacuum pump will default to "H" mode ("H" display on screen, Motor Speed 2500RPM).
3. Press REV'S/STOP for motor speed shift from "L" mode, 1500RPM, "COOLS" mode 500RPM to "H" mode in turn. "COOLS" mode for normal start at -20 C .
4. Long press REV'S/STOP for 3 seconds, the motor pauses and the solenoid valve closes.

Unit selection

Use **UNIT/ADD** to select Micron or Pa or Torr or mbar

Set alarm value

1. Long press **HOLD/SET** for 1 second to enter into the setting interface.
2. Press **HOLD/SET** to select the digit to be set, and the selected digit will flicker.
3. Press **UNIT/ADD** to modify the flickering digit.
4. Press the **SAVE/CAL** to save the value after setting.

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