

18V Mobile Vacuum Pump



DVP180



- Designed to suit the needs of air conditioning technicians when evacuating a system suitable for small residential air conditioning, vehicle air conditioning and appliances such as refrigerators and freezers
- Develop a mobile vacuum pump powered by 18V Li-Ion batteries, convenient in places where AC is not available or difficult to access



Product Overview

Makita

Oil fill / Exhaust cap

Intake shutoff valve

Oil gauge

LED power lamp

Drain port

Lightweight design





- **Oil fill / Exhaust cap** – large opening for easy pump oil replacement. Built in mesh filter prevents vacuum pump oil from scattering from exhaust port
- **Oil gauge** – oil level can be viewed through sight glass to allow user to check oil level and condition
- **Drain port** – easy to access for draining of vacuum oil after every usage
- **Intake shutoff valve** – provides the user with the added convenience of shutting on the pump to the manifold or vacuum hose
- **LED power lamp** – light illuminates to display to the user when the power is on
- **Lightweight design** – at only 3.5kg with battery the DVP180 is convenient to use in tight spaces or where AC is not available

Compression type	Oil rotary type (Vane type), Single stage
Flow rate	50L/min
Ultimate vacuum	20Pa (150 micron)
Motor speed	3,840
Oil capacity	115ml
Inlet port	5/16"
Weight	3.5kg

Performance



Long run time of 75mins with 6.0Ah battery

Convenience



Convenient to use in places where AC power is not available

Portable



Easy to carry with a compact and lightweight body

Efficiency



Easy to change pump oil with large fill and drain port for quick changes

Battery capacity warning

When the battery capacity becomes low, the LED lamp goes out and at the same time a long alarm beep starts sounding.

About two minutes later the motor stops and then the alarm beep changes into repeated short-time interval beeping which notifies the motor has stopped and 30 seconds later the beeping stops.

However don't wait until the motor stops and instead close the inlet valve of the pump and the low pressure side of the manifold to maintain vacuum.



How to checking if the pump is still running at peak performance?

1. Connect the low side valve of the manifold (optional accessory) and the intake port of the pump with a charging hose
2. Close the low side valve of the manifold
3. Open the intake shutoff valve
4. Open the inlet valve
5. Turn the pump on. If the pressure of the manifold indicates a vacuum of -0.09 to -0.1 MPa within 30 seconds, the pump is operating properly.
6. Turn off the pump

Q. How much oil do I use to fill the pump?

A. Add oil until the oil level is between the upper and lower level lines of the sight glass. Approximately 115ml.

Q. How often should I change the oil?

A. It is recommended to change the oil after 20 hours of usage to protect pump components from contaminants pulled into the pump. However it is recommended to change the oil after every usage to achieve optimum performance.

Q. How do I replace the oil?

A. Open the intake shut off valve and operate the pump for 1 to 2 minutes to warm up the oil. Turn off the pump, remove the drain plug and drain the oil. Dispose of the old oil in accordance with local regulations.

Standard Equipment



AS00VP050M

Pump oil 150ml



AS0Y06110K

5/16" female x 1/4" male adaptor

Optional Equipment



AS00VP050M

Pump oil 150ml



AS00XP808M

40mm Vacuum gauge
0 to -0.1MPa



AS0VP051MK

40mm Vacuum Pump
Valve with Gauge
0 to -0.1MPa



AS0AI154MK

Charging hose with
shut off valve



AS000AI158

Hose packing (6 Pcs)



AS0VP007MK

Aluminum case



AS000VP042

Shoulder Belt