

Limited Warranty Scope of Warranty

Midmark Corporation ("Midmark") warrants to the original purchaser its new PowerVac®G products and components (except for components not warranted under "Exclusions") manufactured by Midmark to be free from defects in material and workmanship under normal use and service. Midmark's obligation under this warranty is limited to the repair or replacement, at Midmark's option, of the parts or the products the defects of which are reploted to Midmark within the applicable warranty period and which, upon examination by Midmark, prove to be defective.

Applicable Warranty Period

The applicable warranty period, measured from the date of installation for the original user, shall be (5) years or 10,000 usage hours (whichever comes first) for all warranted products and components. Ten (10) years or 20,000 usage hours (whichever comes first) for the pump only.

Exclusions

This warranty does not cover and Midmark shall not be liable for the following: (1) repairs and replacements because of misuse, abuse, negligence, alteration, accident, freight damage, or tampering; (2) products which are not installed, used, and properly cleaned as required in the Midmark "Installation" manual and or PowerVac®G Care Guide for this applicable product; (3) products considered to be of a consumable nature; (4) accessories or parts not manufactured by Midmark; (5) charges by anyone for adjustments, repairs, replacement parts, installation, or other work performed upon or in connection with such products which is not expressly authorized in writing in advance by Midmark.

Exclusive Remedy

Midmark's only obligation under this warranty is the repair or replacement of defective parts. Midmark shall not be liable for any direct, special, indirect, incidental, exemplary, or consequential damages or delay, including , but not limited to, damages for loss of profits or loss of use.

No Authorization

No person or firm is authorized to create for Midmark any other obligation or liability in connection with the products.

THIS WARRANTY IS MIDMARK'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. MIDMARK MAKES NOT IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY WARRANTIES OF MECHANABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS.

Important Information Safety Symbols



DANGER
Indicates an imminently hazardous situation which will result in serious or fatal injury. This symbol is used only in the most extreme conditions.



WARNING
Indicates a potentially hazardous situation which could result in serious injury.



Caution
Indicates a potentially hazardous situation which may result in minor or moderate injury. It may also be used to alert against unsafe practices



Equipment Alert
Indicates a potentially hazardous situation which could result in equipment damage.



Consult User Guide



Proper Shipping Orientation



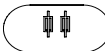
Fragile



Keep Dry



Maximum stacking height (palletted units)



Fuse rating specification



Caution hot surface



IPXO Ordinary Equipment

Intended Use

To provide vacuum suction during general examinations and procedures conducted by qualified dental professionals.

Electromagnetic Interference

The Midmark PowerVac®G and Evacuation control box are designed and built to minimize electromagnetic nterference with other devices. However, if interference is noticed between another device and this this unit:

- Remove interfering device from room
- Connect interfering device into an isolated circuit
- Increase seperation between vacuum and interfering device.
- Contact Midmark if interference persists.

Disposal of Equipment

At the end of product life, the unit(s), accessories, and other consumable goods may become contaminated from normal use. Consult local codes and ordinances for proper disposal of equipment, accessories and other consumable goods.

Transportation & Storage Conditions

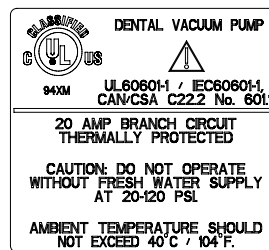
Ambient Temperature Range:
50°F to 104°F (+10°C to +40°C)

Relative Humidity:
10% to 90% (non-condensing)

Atmospheric Pressure:
700hPa (20 " Hg) to 1060hPa (31 "Hg)

Note: The PowerVac®G is electrically designed to be only sold in the U.S.A. or Canada.

Classifications: Class 1, Type B Applied Part



061-1030-00



PowerVac®G Care Guide

To ensure years of reliable service, follow the maintenance schedule outlined in this guide. If service is required, contact your authorized Midmark dealer.

Dealer (name / phone):

Model Number: _____

Serial Number: _____

Date of Purchase: _____

Log

Date:	Services Performed:	Technician:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
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_____	_____	_____



Because we care.

Daily

A. Clean Vacuum Piping System.

Clean vacuum piping system with a non-foaming vacuum system cleaner. Midmark recommends Precision Clense, Order No. 77000570.

Note: By using a non-foaming vacuum system cleaner on a daily basis, the PowerVac®G separation tank will stay rinsed and clean. This practice helps protect the internal tank controls and eliminates the need to rinse the separator tank. (See PowerVac®G Service and Parts manual located on www.midmark.com regarding rinsing the separation tank.)

- 1) Start with the furthest operator from the vacuum.
- 2) Suction cleaning solution.
(Follow mixture instructions provided with the vacuum system cleaner.)

Note: Alternate air and vacuum while cleansing; submerge and remove HVE and SE from mixture several times until mixture is consumed.

- 3) Keep the cleansed vacuum lines (HVE and SE) open and move to the next operator.
- 4) Repeat steps 1-3 until all vacuum lines are cleansed.

Note: PowerVac®G MUST run for 5 minutes after all operatories are cleansed.

Vacuum Level Adjustment Procedure

Adjust Vacuum Level (Only if needed)...

Note: Adjustment can only be made if unit is running and NOT in sleep mode. If unit is in sleep mode, turn unit off and back on before making adjustment. Unit will enter back into sleep mode in 60 seconds.

Adjust vacuum level ("Hg) by

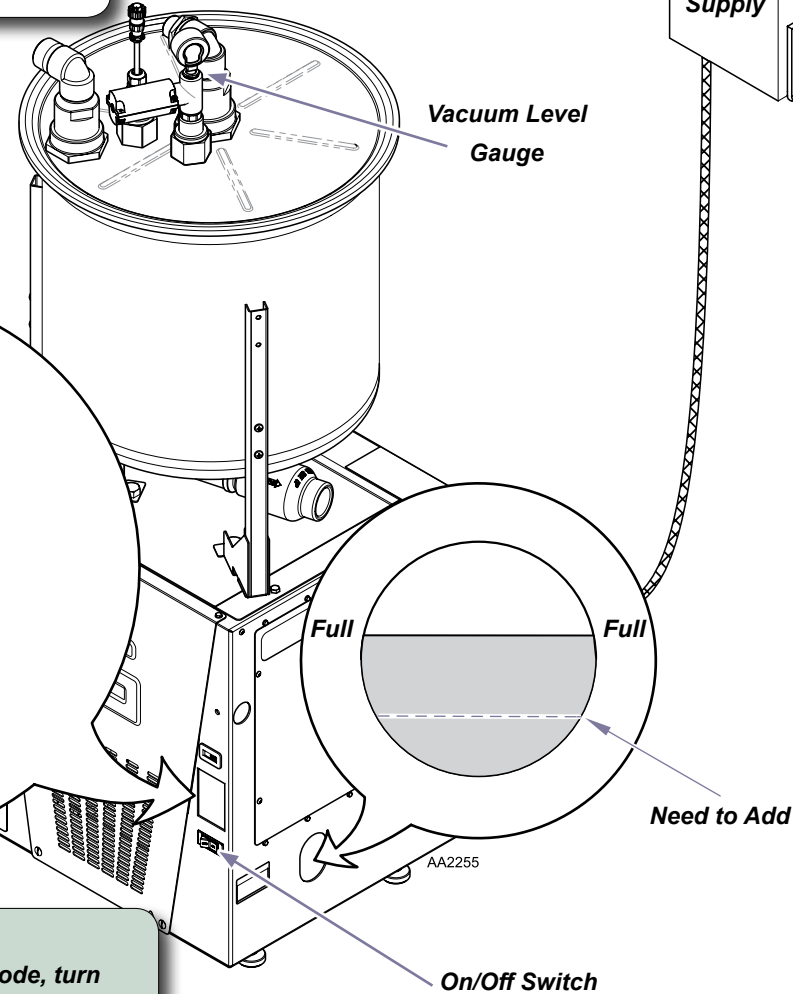
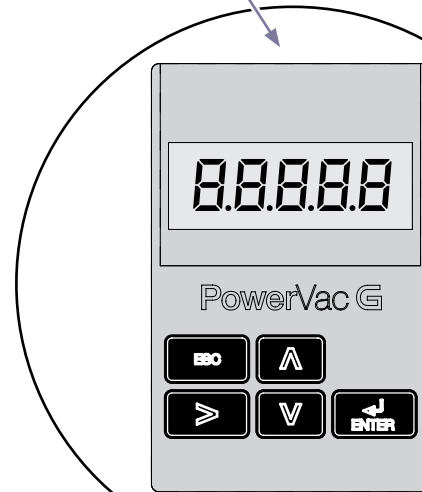
- A) Press the "ESC" button until "V xx" shows on the screen.
- B) Press "Enter" to enter the vacuum setting.
- C) Press the right arrow to highlight the number you would like to change (flashing number is selected).
- D) Use up and down arrows to change the flashing number.
- E) Press Enter to confirm the vacuum setting.
- F) To get back to displaying the pressure value, press the "ESC" button until the "V xx" shows on the screen.
- G) Press the up or down arrows until you see "Mon" on the display. Press enter.
- H) Press up or down to select U8-02, press enter. Pressure value should appear on the display.



Caution

Never operate the equipment without complete and proper grounding. The On/Off switch controls only the secondary circuit power. The main power source must be turned off to remove all power in the control box.

Keypad for Vacuum Level Adjustment



WARNING

Motors are protected with automatic reset. Unit may start without warning.

NOTE: No routine maintenance is required with the PowerVac®G. However, it is always a good idea to visually inspect the following items.

Quarterly Inspection

A. Check Gear Lube Level in Sealed Gearbox.

The PowerVac®G utilizes a gearbox which houses synchronized gears used to rotate the pump's rotary claws. The gearbox is double-sealed and contains an air gap to insure no gear lube can ever be transferred to the vacuum producing chamber. The gear lube level is set at the factory to just above half-full. A site glass is provided to visually inspect the gear lube level. If the gear lube is below 1/3 full, contact Midmark Technical Service at 1-800-Midmark or refer to the PowerVac®G Service and Parts Manual located on www.midmark.com.

Annual / 2,000 HR Inspection

A. Inspect Belt.

If the belt appears loose, makes noise, abnormally worn, contact Midmark Technical Service at 1-800-Midmark or refer to the PowerVac®G Service and Parts manual located on www.midmark.com.

B. Inspect Tank.

If required use garden adapter and flush tank with garden hose. Refer to PowerVac G service and parts manual, 004-0790-00 on www.midmark.com for procedure.

Note

When working on twin units (replacements or adjustments), unplug parallel harness.