

**Product Registration**

The following link and QR code are for access to the Smart Air Compressor warranty registration.

<https://www.midmark.com/service-support/terms-conditions/warranty-registration>



**Warranty Information**

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<https://www.midmark.com/service-support/terms-conditions>




**Important Information**

**Safety Symbols**


These symbols may appear on your equipment and/or in the manuals. Warnings and cautions are provided in the manuals where applicable




**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.


- 


Manufacturer
- 


Serial Number
- 

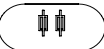
Catalogue Number
- 


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 interference with other devices. However, if interference is noticed between another device and this unit:

- Remove interfering device from room
- Connect interfering device into an isolated circuit
- Increase separation 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 and Storage Conditions**

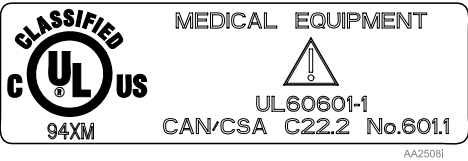
Ambient Temperature Range:  
50°F to 104°F (+10°C to +40°C)

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



**Midmark Corporation**  
For contact information, go to:  
[www.midmark.com](http://www.midmark.com)



**midmark®**

**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:
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____



## 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 information located at [technicallibrary.midmark.com](http://technicallibrary.midmark.com) regarding rinsing the separation tank.)*

*Note: For the first two weeks of using Precision Clense, flush lines at the beginning of the day with water and check traps twice a day. After the first two weeks, flush with water and check traps as needed.*

- 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.

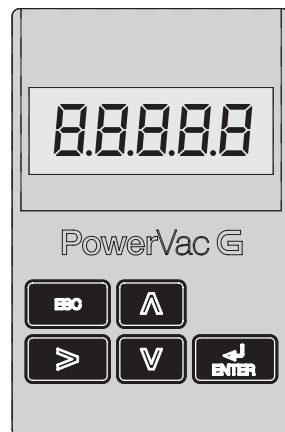
*Note: PowerVac®G **MUST** run for 5 minutes after all operatories are cleansed.*



#### 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



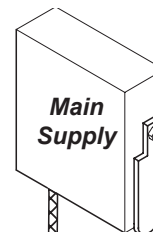
## Vacuum Level Adjustment Procedure

### 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.



#### WARNING

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

## Quarterly Inspection

### A. Check Gearbox Lube Level.

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, Fill as needed and monitor oil level. Replace absorbent pad if required.

## 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 information at [technicallibrary.midmark.com](http://technicallibrary.midmark.com).

### B. Use Conditioning Fluid.

To maintain proper vacuum performance pour conditioning fluid (part# 002-1910-02) into intake hose. (See maintenance kit instructions (003-10248-00) at [technicallibrary.midmark.com](http://technicallibrary.midmark.com) for proper procedures.)

### C. Inspect Tank.

If required use garden adapter and flush tank with garden hose. Refer to PowerVac G service and parts information at [technicallibrary.midmark.com](http://technicallibrary.midmark.com) for procedure.

#### Note

Every 10 years and / or 20,000 hours of usage, change gear lube. See PowerVac® G service and parts information for procedure.

#### Note

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

