

Warranty Information



SCAN ME

Warranty Registration



SCAN ME

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.

Note

Amplifies a procedure, practice, or condition.



Consult User Guide for important information.



Proper shipping orientation



Catalogue Number



Fragile



Serial Number



Protective earth ground



Manufacturer



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

This Midmark PowerVac® 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 units:

- Remove interfering device from room
- Connect interfering device into an isolated circuit
- Increase separation between unit and interfering device
- Contact Midmark if interference persists

Disposal of Equipment

At the end of product life, the unit(s), accessory, 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)

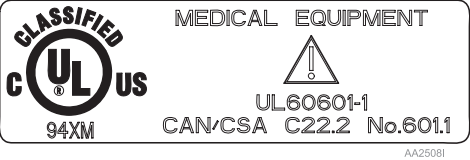
Relative Humidity:
10% to 90% (non-condensing)

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

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

This product has been evaluated with respect to electrical shock, fire and mechanical hazards only, in accordance with UL60601-1 and CAN/CSA C22.2 NO. 601.1.

Classifications: Class 1, Type B Applied Part



Midmark Corporation
For contact information,
go to: midmark.com



PowerVac®

Care Guide

To ensure years of reliable service, follow the care instructions 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® 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® Service and Parts manual located on www.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® **MUST** run for 5 minutes after all operatories are cleansed.*

Vacuum Level Adjustment Procedure

Adjust the center mounted screw inside the valve.

Use 1/4 inch nutdriver and phillips screwdriver. Each full clockwise turn increases the vacuum level by approximately 2" Hg.

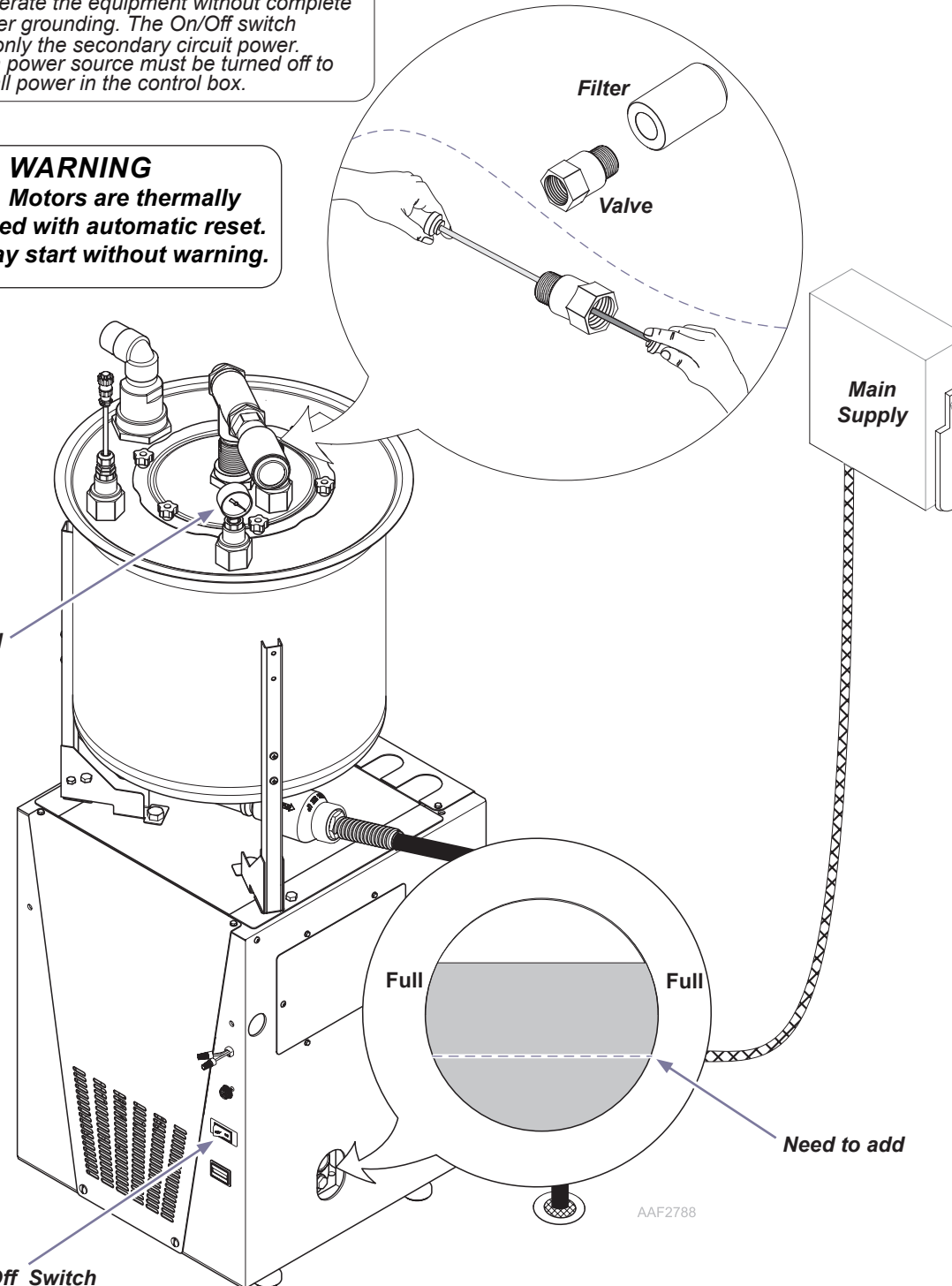
Caution
Never operate the equipment without complete and proper grounding. The On/Off switch controls only the secondary circuit power. The main power source must be turned off to remove all power in the control box.



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

Vacuum Level Gauge

On/Off Switch



Quarterly Inspection

A. Check Gearbox Lube Level .

The gear lube level is set at the factory to 1/2 full. A site glass is provided to visually inspect the gear lube level. If the gear lube level is 1/3 full or less, fill as needed and monitor oil level. Replace absorbent pad if required.

B. Inspect Vacuum Relief Valve Filter

If the mechanical room contains excessive contaminated air, the VRV filter may become dirty. If it appears clogged, contact Midmark Technical Service at 1.800.MIDMARK or refer to the PowerVac® Service and Parts manual located on Technical Library at www.midmark.com, Midmark P/N 004-0494-00.

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® Service and Parts Manual located on Technical Library at www.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) located on www.midmark.com for proper procedures.)

C. Inspect Tank

If required, use garden hose adapter and flush tank with garden hose. Refer to procedure in the PowerVac® Service and Parts Manual located on Technical Library at www.midmark.com. Verify demister pad is free of debris and flush out if necessary.

D. Replace Vacuum Filter

To maintain proper vacuum pump performance replace the vacuum filter (002-10972-00). Contact Midmark Technical Service at 1.800.MIDMARK or refer to the PowerVac Service and Parts Manual located on Technical Library at www.midmark.com.

Note

Every 10 years and or 20,000 hours of usage, Change Gear Lube. See PowerVac® Service and Parts Manual for procedure.