

Test Equipment Depot - 800.517.8431 - 5 Commonwealth Ave, MA 01801

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**Omega SafeTech HEPA Backpack Vacuum**  
**INSTRUCTION MANUAL**

**Model: VACOSTBV**  
ETL US, Canada

**SAVE THESE INSTRUCTIONS**

**Omega SafeTech HEPA Backpack Vacuum  
Instruction Manual  
ETL US, Canada  
IMPORTANT SAFETY INSTRUCTIONS**

When using an electrical appliance, basic precautions should always be followed, including the following:

**READ ALL INSTRUCTIONS BEFORE USING APPLIANCE**

**WARNING:**

**TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR INJURY:**

1. Do not leave appliance when plugged in. Unplug from outlet when not in use and before servicing.
2. Electrical shock may occur if used outdoors or on wet surfaces.
3. Do not allow to be used as a toy. Close attention is necessary when used by or near children.
4. Use only as described in this manual. Use only manufacturer's recommended instructions.
5. Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, return it to Atrix International.
6. Do not pull or carry by cord, use cord as a handle, close a door on cord, or pull cord around sharp edges of corners. Do not run appliance over cord. Keep cord away from heated surfaces.
7. Do not unplug by pulling on cord. To unplug, grasp plug, not the cord.
8. Do not handle plug or appliance with wet hands.
9. Do not put any object into openings. Do not use with any opening blocked; keep free of dust, lint, hair, and anything that may reduce airflow.
10. Keep hair, loose clothing, fingers, and all body parts away from openings and moving parts.
11. Do not pick up anything that is burning or smoking such as cigarettes, matches or hot ashes.

12. Do not use without filter in place.
13. Turn off all controls before unplugging.
14. Use extra care when cleaning on stairs.
15. Do not use to pick up any liquids especially flammable or combustible liquids such as gasoline. Do not use in areas where combustible liquids may be present.
16. Connect to a properly grounded outlet only. See Grounding Instructions.
17. This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
18. Children should be supervised to ensure that they do not play with the appliance.

### **GROUNDING INSTRUCTIONS**

This appliance must be grounded. If it should malfunction or break down, grounding provides a path of least resistance of electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

#### **DANGER:**

Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded. Do not modify the plug provided with the appliance – if it will not fit the outlet, have a proper outlet installed by a qualified electrician. This appliance is for use on a nominal 110-volt circuit. A temporary adapter may be used to connect this plug to a 2-pole receptacle if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet can be installed. The green colored rigid ear, lug, or the like extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw.

## **Harness Assembly:**

1. Remove four (4) screws from vacuum housing inserts. Position harness on vacuum housing.
2. Align harness back plate with mounting holes to the vacuum body. Reinsert four (4) screws through harness and tighten.

Adjusting Backpack Harness: Loosen waist and chest belt latches. Slide arms through shoulder straps. Adjust shoulder straps to raise or lower backpack so that the weight is evenly distributed between the back and hips, and the waist and chest belt latches comfortably. For significantly shorter or taller operators, it may be necessary to adjust the harness back-plate to find a comfortable position. The back-plate can be re-positioned by removing and relocating the four (4) screws to the vacuum housing.

## **To Operate:**

1. Attach extension cord relief clip to triangle hanger that is located on the harness waist belt.
2. Pass your extension cord through the cord relief clip hanging from the harness. This will prevent the pigtail and extension power cord from separating during operation and will protect the pigtail cord from getting pulled on or pulled out of the vacuum. Fasten the waist belt and chest belt snugly and make sure the weight is resting comfortably on your hips. Reminder, the back plate is adjustable up or down by removing the four screws that attach to the vacuum's body.

## **Thermal Protection:**

These vacuums have a factory installed resettable Thermal Cut Out (TCO) for added operator and motor safety. If the unit gets too hot, the vacuum will shut down for approx. 20 minutes. Turn the on/off switch to the off position and turn back on in approximately 20 minutes, in which time the motor will have cooled enough to resume safe operation. Check for hose clogs and full filters, as either one will reduce air flow and limit cooling air reaching the motor. Clear the clog and/or install a new filter.

Under no circumstances should you return a failed unit to the factory. If you experience any problems with your vacuum during the warranty period, contact Atrix Customer Service.

Electrical Cord Care: Never stretch the cord tightly between the vacuum and the outlet. A cord that is stretched or pulled will not function properly and creates a danger. After vacuuming, unplug the cord and wind it up loosely. Do not wind the cord up by wrapping it around your hand and elbow.

### **Proper Storage:**

When the vacuum is not in use, it should be stored in a dry place.

### **Filter Change-Out Instructions**

1. Insert the orange plug into the filter cartridge.
2. Open the two top latches and remove the lid.
3. Lift the filter cartridge out.
4. Dispose of the filter cartridge in an appropriate manner compliant with all local, state, and federal laws.
5. Insert new filter cartridge.
6. Install lid and latch securely.

### **How to properly use the cord-relief**

1. Create a loop with the extension cord.
2. Place loop through cord relief.
3. Pull cord tight around the hook.
4. Connect the extension cord to the power cord.



Cord Relief and Extension Cord

**Omega SafeTech HEPA Backpack Vacuum  
REPLACEMENT PARTS**

| <b>Description</b>  | <b>Part No.</b> |
|---|-----------------|
| SafeGuard 360 HEPA Filter Cartridge (99.97% Efficient at .3 micron)           | OF612HE         |
| SafeGuard 360 ULPA Filter Cartridge (99.999% Efficient at .12 micron)         | OF712UL         |
| SafeGuard 360 CERTIFIED HEPA Filter Cartridge (99.97% Efficient at .3 micron) | OF612HE-IC      |
| Hose, for Omega SafeTech Backpack   | OSTBVH          |
| Telescopic Extension Wand 22"-36"   | AHC61-63        |
| Hard Floor Tool   | AHC-70          |
| Combo Floor Tool  | AHC-57          |
| Utility Nozzle  | AVPA011         |
| Utility Nozzle Brush  | AVPA017         |
| Filter Plug (Small-Intake)  | 410017          |
| Filter Plug (Large-Exhaust)   | AVPA004         |
| Hose End Plugs (2)  | AVPA005         |
| Round Dusting Brush   | VAC31653        |
| Crevice Tool  | 31654           |
| Air Driven Turbo Brush  | WWRKPT560       |

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