

Mercury QuikVac 090

Operator's Manual

WARRANTY

MICROMERITICS INSTRUMENT CORPORATION warrants for one year from the date of shipment each instrument it manufactures to be free from defects in material and workmanship impairing its usefulness under normal use and service conditions except as noted herein.

Our liability under this warranty is limited to repair, servicing and adjustment, free of charge at our plant, of any instrument or defective parts when returned prepaid to us and which our examination discloses to have been defective. The purchaser is responsible for all transportation charges involving the shipment of materials for warranty repairs. Failure of any instrument or product due to operator error, improper installation, unauthorized repair or alteration, failure of utilities, or environmental contamination will not constitute a warranty claim. The materials of construction used in MICROMERITICS instruments and other products were chosen after extensive testing and experience for their reliability and durability. However, these materials cannot be totally guaranteed against wear and/or decomposition by chemical action (corrosion) as a result of normal use.

Repair parts are warranted to be free from defects in material and workmanship for 90 days from the date of shipment.

No instrument or product shall be returned to MICROMERITICS prior to notification of alleged defect and authorization to return the instrument or product. All repairs or replacements are made subject to factory inspection of returned parts.

MICROMERITICS shall be released from all obligations under its warranty in the event repairs or modifications are made by persons other than its own authorized service personnel unless such work is authorized in writing by MICROMERITICS.

The obligations of this warranty will be limited under the following conditions:

1. Certain products sold by MICROMERITICS are the products of reputable manufacturers, sold under their respective brand names or trade names. We, therefore, make no express or implied warranty as to such products. We shall use our best efforts to obtain from the manufacturer, in accordance with his customary practice, the repair or replacement of such of his products that may prove defective in workmanship or materials. Service charges made by such manufacturer are the responsibility of the ultimate purchaser. This states our entire liability in respect to such products, except as an authorized person of MICROMERITICS may otherwise agree to in writing.
2. If an instrument or product is found defective during the warranty period, replacement parts may, at the discretion of MICROMERITICS, be sent to be installed by the purchaser, e.g., printed circuit boards, check valves, seals, etc.
3. Expendable items, e.g., sample tubes, detector source lamps, indicator lamps, fuses, valve plugs (rotor) and stems, seals and O-rings, ferrules, etc., are excluded from this warranty except for manufacturing defects. Such items which perform satisfactorily during the first 45 days after the date of shipment are assumed to be free of manufacturing defects.

Purchaser agrees to hold MICROMERITICS harmless from any patent infringement action brought against MICROMERITICS if, at the request of the purchaser, MICROMERITICS modifies a standard product or manufactures a special product to the purchaser's specifications.

MICROMERITICS shall not be liable for consequential or other type damages resulting from the use of any of its products other than the liability stated above. This warranty is in lieu of all other warranties, express or implied, including, but not limited to, the implied warranties of merchantability or fitness for use.

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International Sales - (770) 662-3660

Domestic Repair Service - (770) 662-3666
Customer Service - (770) 662-3636

MERCURY QUIKVAC

Description

The Mercury QuikVac has been designed to assist you in recovering spilled mercury from your work area.

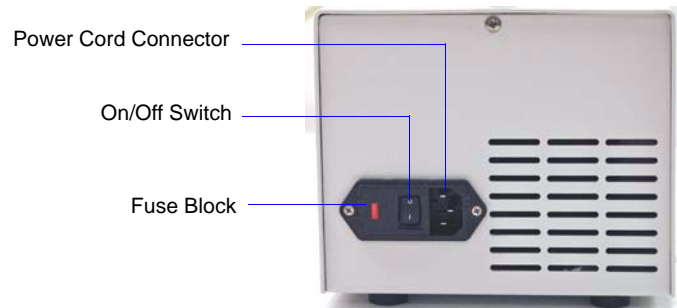


The Mercury QuikVac is simply designed and easy to maintain and operate. It contains a small nozzle, which is used to pick up minor mercury spills. A filter is located between the pump and reservoir bottle to protect the pump from liquid mercury. A vapor trap is also provided downstream of the pump to prevent the escape of mercury vapor.

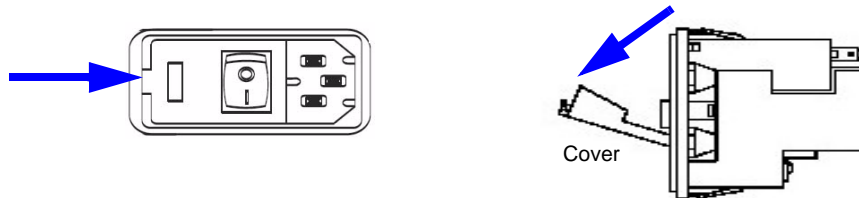
Installation

The Mercury QuikVac is shipped with all components installed with the exception of the fuses and the power cord.

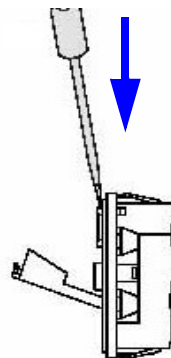
1. Place the unit on a work table so that the back panel can be accessed.



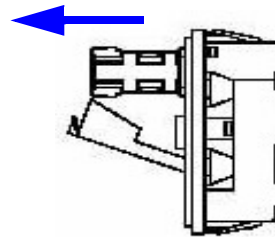
2. Insert a small screwdriver in the slot under the cover of the module. Gently rotate the screwdriver to unlatch the cover, then lower the door.



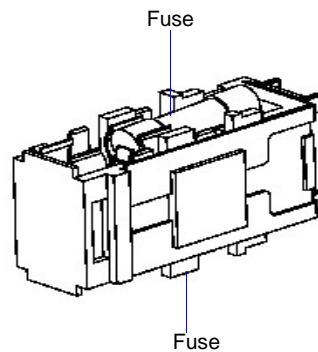
3. Insert the screwdriver in the slot at the end of the fuse holder and gently push down to raise the fuse holder.



- Remove the fuse holder from the housing.



- Insert a fuse on each side of the fuse holder.



Fuse the input power line according to local safety practices. The fuses used in the Mercury QuikVac must be identical in type and rating to those specified. Use of other fuses could result in electrical shock or damage to the instrument.

- For **115 VAC**: use the 2 Amp, 3AG Slow-Blow fuses (line voltages of 95 to 125 VAC)
 - For **230 VAC**: use the 1 Amp, 5x20 mm fuses (line voltages of 190 to 250 VAC)
- Orient the fuse cover so that the correct voltage is at the top of the fuse box.
 - Reinsert the fuse holder into the housing and close the cover; press the cover to latch into place.



- Plug the power cord into the power entrance on the rear panel of the unit and into an appropriate power source.
- Place the On/Off switch in the On position.

Operation

Before using the Mercury QuikVac, you may wish to add a little oil to the reservoir bottle. This helps to prevent the escape of mercury vapors. You may also wish to use latex gloves in the event you accidentally touch the mercury.

1. Remove the protective cap from the nozzle.



2. Place the nozzle into the affected area and move the nozzle through the spilled mercury.



3. Replace the protective cap.



The nozzle opening was intentionally made small to facilitate the pickup of tiny globules of mercury. This makes it prone to clogging with debris if mercury is being recovered from the floor, for example. Use a pin or other pointed object to unblock the nozzle.

Maintenance

Disposing of the Mercury

Empty the reservoir bottle when appropriate.

1. Remove the reservoir bottle from its platform and place on a work table.
2. Holding the cap, turn the reservoir bottle clockwise until it is removed from the cap.



3. Gently pour the contents of the reservoir bottle into an appropriate container for recycling.

Changing the Pump Filter

Occasionally inspect the pump filter and change if it contains an accumulation of debris.

1. Remove the reservoir bottle from its platform and place on a work table.
2. Pull the tubing from the barb on the cap of the reservoir bottle.



3. Grasp the sides of the filter and pull from the top of the cap. Be careful not to splash any contents that may be in the filter.



4. Dispose of the old filter and replace with a new one.
5. Reattach the tubing to the barb on the top of the cap.
6. Place the reservoir bottle back onto its platform.

Changing the Vapor Trap Filter

The vapor trap filter should be changed annually if the QuikVac has received substantial use.

1. Pull the filter from its snap-in holder.



2. Holding onto the tubing, pull away the filter and discard.
3. Holding the new filter with its arrow pointing downward, reattach the tubing.



Be sure arrow is pointing downward.

4. Reseat the filter into its holder.

Ordering Information

Replacement parts for the Mercury QuikVac can be ordered using one of the following methods:

- Call our Customer Service Department at (770) 662-3636
- Access our web site at www.micromeritics.com
- Contact your local sales representative

When ordering, please use the information provided below to place your order:

Part Number	Item and Description
004-27054-00	Filter, pump
004-27012-00	Filter, vapor trap
003-51130-01	Fuse, 1 Amp, 5x20 mm Slow-Blow (190 to 250 VAC)
003-51131-00	Fuse, 2 Amp, 3 AG, Slow-Blow (95 to 125 VAC)
090-42801-00	Operator's manual