Manufacturing Intelligent Compressed Air Products Since 1983
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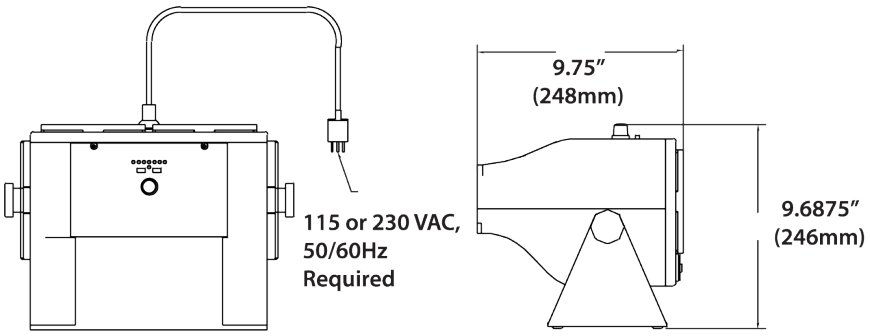
VARISTAT™ BENCHTOP IONIZER INSTALLATION & MAINTENANCE



Model 8600 Varistat
Benchtop Ionizer

USING THE VARISTAT BENCHTOP IONIZER

The Varistat Benchtop Ionizer should be used at a location that has the potential for the presence of a static charge. This ionizer will deliver a wide range of ionized air to neutralize an existing static charge and prevent static from building on the target surface. For best results, the Varistat should be mounted within 12 inches of the target material.

The Varistat Benchtop Ionizer requires a 115V or 230V, 50/60Hz source. Connect the power cable to the power inlet in the rear of the Varistat. Make sure the voltage selection switch is set to the correct voltage input before turning on the Varistat with the power switch. The fans will turn on automatically, but the airflow output can be controlled with the fan speed knob on top of the unit.

In environments where there is a more negative or more positive charge on the target material, use the balance adjustment push buttons to increase the performance. Setting the Varistat to a more positive output will more quickly reduce a negatively charged target material and vice versa.

The Varistat Benchtop Ionizer Should Not Be Used In An Explosive Or Flammable Area.

Electrical Hazard: **Do not use near flammable materials or gases.**

CLEANING

The best method to determine how well the Varistat Benchtop Ionizer is working is with the Model 7905 Static Meter. The static meter is easy to use and will accurately display the charge on a surface without touching it. To do this, simply measure the charge on the surface before ionizing (power off). Then, ionize the surface (power on). Measure the surface again. A "zero" volt reading indicates that the Varistat Benchtop Ionizer is working properly. If a charge is still present, this may indicate the need for cleaning.

Accumulation of light dust or dirt on the surface of the ionizing point will degrade the effectiveness of the ionizer. A simple cleaning operation added to your planned maintenance schedule can eliminate this potential performance problem. Before conducting any service or maintenance, make sure to disconnect the unit from power. The ionizing emitters may be cleaned using a brush with soft, non-conductive, bristles through the exit grill without disassembly. Metal bristle brushes should NOT be used. The frequency of cleaning required will depend upon the environment in which the ionizer is installed. Dirty industrial environments may require daily cleaning, while clean-room applications may require only monthly cleaning. It is important to evaluate the cleaning needs of each individual ionizer installation. A dull or dirty emitter point will eventually cease to operate. Replacing the emitter banks will require a return to EXAIR.

Never Clean An Ionizer With The Power On!

Periodic cleaning will keep the ionizer operating at peak performance for the life of the unit.

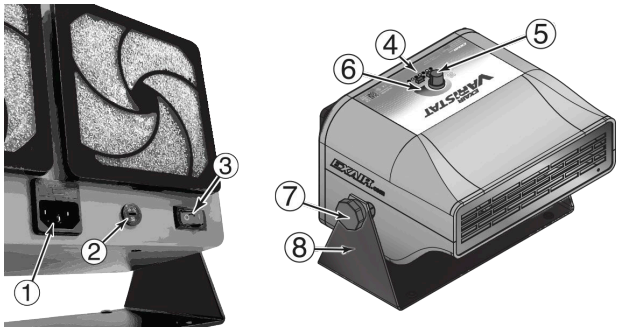
Varistat products made by EXAIR are UL Listed to comply with the U.S. safety standards and meet the requirements of applicable European Directive(s).

VARISTAT BENCHTOP IONIZER PERFORMANCE

Distance from Charged Surface	3" (76mm)	6" (152mm)	12" (305mm)
Dissipates 1kV (seconds)	0.2	0.5	0.8

MATERIALS OF CONSTRUCTION:
Metal Parts: Stainless Steel and Aluminum
Plastic Parts: Polycarbonate
Emitter: Stainless Steel

There are no user serviceable parts.



How the Varistat Benchtop Ionizer Works

After connecting the 115V or 230V power cable, plug into outlet (1) and check to make sure voltage selector switch (2) is set correctly; then activate power switch to activate static eliminating ions and airflow (3). A green light will indicate that power is turned on, improper functionality is indicated by a flashing red LED (4). Adjust fan speed with dial (5) and polarity with a "+" and "-" buttons located on top (6). Adjust angle and height with knobs located on the side (7). Mounting bracket included for hands-free operation (8).

WARNING

RISK OF ELECTRIC SHOCK – These servicing instructions are for use by qualified personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

To reduce the risk of electric shock this equipment has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type power outlet. If the plug does not fit into the outlet, contact qualified personnel to install the proper outlet. Do not alter the plug in any way.

If you have any questions or problems, please contact an EXAIR Application Engineer at:

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For more information about this product, visit "Frequently Asked Questions" at www.exair.com
FAQ at www.EXAIR.com