



MODEL 5860 IN-LINE IONIZER

INSTALLATION & OPERATING INSTRUCTIONS

The Model 5860 is a compact static neutralizing compressed air ionizing nozzle.

Please read the following instructions carefully to ensure correct installation, safe operation and peak performance.

MODEL 2000S/2002S POWER SUPPLY

The Model 2000S/2002S Power Supply is a highly reliable unit that supplies 6000 volts of AC current to the In-line Ionizer.

ELECTRICAL REQUIREMENTS

A 6.5 foot grounded power cord is supplied with the power supply. The unit must be plugged into a grounded outlet or wired to a grounded control box.

Ratings:

Input Volts: 115VAC Standard (#2000S) or
220VAC optional (#2002S)

Output Volts: 6000VAC

Cycles: 50/60

Starting Load: <0.5 amps

Running Load: <0.5 amps

MOUNTING THE POWER SUPPLY

The Power Supply can be mounted to any solid surface via the mounting tabs extending out from the bottom side of the unit or placing the unit in an enclosure. Keep in mind the positioning of the Ionizing Bar when locating the Power Supply. A standard 6.5' power cable is supplied with the bar.


Once the unit has been mounted, switch the unit to the OFF position (the lighted rocker switch is located on the side of the unit near the cord end—rock the switch downward) and then route the power cord to the designated outlet. (The Power Supply can be wired directly to a machine switch so the unit is only running when the machine is running and off when it is not.) The Power Supply is now ready to receive the Ionizing Bar.

Note: Always keep the Power Supply powered OFF when the system is not in use. Unplug or disconnect the power to the controller when the system is being serviced.


THE IN-LINE IONIZING NOZZLE

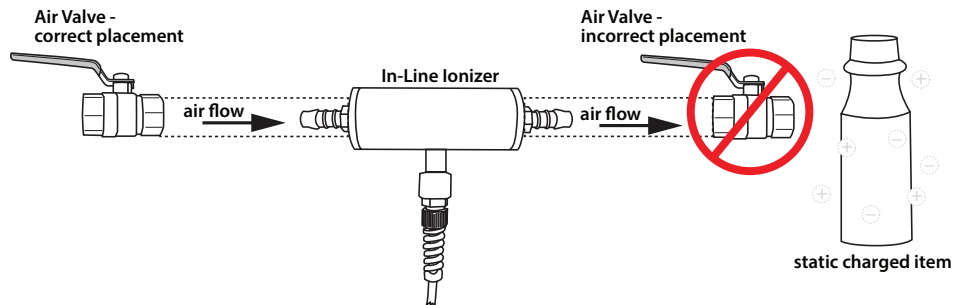
The Model 5860 is a relatively lightweight unit. The high voltage cable has screw-in type connectors enabling quick and easy hook-up to the unit itself and the power supply.


Air Fittings: Barbed fittings will accept a 1/2" hose. Cut into the existing airline and install the nozzle. Other 1/4 BSP threaded fittings can be used.

 Air Requirements: The air should be clean and dry. Moisture and/or contamination in the air can cause decrease in performance and/or irreparable damage to the nozzle.

 Note: Maximum air pressure should not exceed 60 PSI

 The Model 5860 In-line Ionizer is not designed to be pressurized (placed in a closed loop system). The discharge end of the in-line should not be restricted by shut-off valves. Air shut-off valves should always be located upstream of the unit. Pressurization of the Model 5860 can cause damage to the unit.



 It is recommended that the Model 5860 In-line Ionizer be installed as close as possible to the discharge end of the compressed air system to maximize ionization and optimize static removal. Effectiveness can be dramatically reduced by long distance conveyance of the ionized air through tubes, hoses, or grounded metal surfaces.

POWER CABLE CONNECTION

Before connecting the In-Line Ionizer to the Power Supply switch the rocker switch to the OFF position or disconnect the electrical power to the unit. Screw the high voltage connector into either jack of the Power Supply. Each jack has the same output voltage. Where multiple nozzles are installed, two nozzles can be plugged directly into the Power Supply. Note: If any excess cable has to be coiled **do not** coil any tighter than a 6"

diameter coil. Doing so may cause internal damage to the cable and cable failure. Connect the ground wire to the ground stud located on the power supply.

CAUTION: If the cable is connected or disconnected to the Power Supply when the power is ON there is the risk of personal shock and/or damage to the Power Supply.

POWER-UP

Once all connections and final installations have been made the system is ready for use. Turn the switch ON (rock upward toward the top of the enclosure). In the ON position the switch will glow red.

MAINTENANCE

With some simple preventive maintenance procedures the Model 5860 will give years of service.

Special care should be taken with the Power Supply and In-Line Ionizing Nozzle as with any electronic device. Do not drop or shake the power supply or In-Line Ionizing Nozzle. Avoid mounting the power supply to surfaces that would have excessive vibration. Do not tug or jerk on the power cable of the nozzle or the power cord of the power supply.

Keep the Power Supply and Model 5860 dry and clean. Each power supply is supplied with two jack covers and these should remain in place when the jack is not being used. Avoid exposing the system to moisture or solvents of any kind. Dust and other contaminants can be removed by using a soft cloth by itself or along with a gentle, general purpose cleaner.

Remove dust and other contaminants from the nozzle taking special care around the fittings. If cleaners are used make sure the power supply and nozzle are dry before operating them.

SERVICE

In the event of equipment damage or failure, call the factory for service or repair, 800-792-8255.

CAUTION: There are no field serviceable parts on the system. Outside of cleaning, do not attempt to service or repair the system. Personal shock and/or damage to the system could occur. Any attempted field service or repair will void the warranty.

WARRANTY


All TAKK products are engineered and designed with optimum serviceability in mind. Quality of materials and labor are foremost in the manufacture of our products. In the event that there is any premature failure of our system, the Model 5860 In-Line Ionizer is guaranteed against any factory defects in materials and/or workmanship for a full 24 months from the date of purchase. Any equipment found to be defective by a qualified TAKK service technician will be repaired or replaced at TAKK's cost. Any special handling or shipping the customer may request is not covered under this warranty. All warranties are void if the equipment has been damaged due to negligence, misuse, or any other event outside of the control of the manufacturer. Call the factory before returning any equipment under warranty, 800-792-8255.


HEALTH AND SAFETY


The Model 5860 has been engineered for safe and user friendly operation. Please operate this system safely by observing the following:

The Model 2000/2002S Power Supply is a high voltage source. **DO NOT** attempt to dismantle or tamper with the unit. Personal electrical shock and/or damage to the unit may occur.

The Power Supply **must not** be operated under any circumstance with the housing lid removed or when the housing is damaged in anyway.

 **DO NOT** operate the Power Supply or In-Line Ionizer without the unit being electrically grounded. A grounded power cord has been provided with the unit and should be used at all times with a grounded outlet or control box.

 **ALWAYS** turn the Power Supply **OFF** or disconnect power to the unit before unplugging the In-Line Ionizer or cleaning the system. Not doing so could result in personal electrical shock and/or damage to the unit.

 **DO NOT** come in contact with the emitter inside the In-Line Ionizer. The emitter is very sharp.

It is recommended that all electrically conductive surfaces in the Model 5860 ion field be earth grounded to prevent those surfaces from becoming electrically charged by the AC source.

A byproduct of the Model 5860 is ozone. The ozone emission from the nozzle is less than 0.1ppm and well below OSHA standards providing safe working conditions around the system.