



ION BLAST MODEL 5816 AIR GUN

INSTALLATION & OPERATING INSTRUCTIONS

The Ion Blast is a heavy duty static neutralizing air gun. Please read the following instructions carefully to ensure correct installation, safe operation and peak performance.

Complete system consists of Model 5816 Air Gun and 2000S Power Supply.

2000S POWER SUPPLY

The 2000S Power Supply is a highly reliable unit that supplies 6000 volts of AC current to the Ion Blast Air Gun.

ELECTRICAL REQUIREMENTS

A 6½ 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 (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 Air Gun when locating the Power Supply. A standard 10' (foot) power cable is supplied with the air gun.

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 is now ready to receive the Ionizing Air Gun.

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 IONIZING AIR GUN

The Ion Blast is an ergonomic, lightweight unit. The in-line high voltage cable has a screw-in type connector enabling quick and easy hook-up to the power supply.

COMPRESSED AIR REQUIREMENTS

Air pressure in PSI:	Standard: 72	Maximum: 145
Air consumption in CFM @ PSI:	Approx.: 20	Approx.: 42

Air fittings: The threaded fitting at the base of the handle is ¼" BSP. Barbed fitting will accept a ⅜" hose.

POWER CABLE CONNECTION

Before connecting the Air Gun 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 guns are installed, two guns 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" (inch) 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 Ion Blast Air Gun System will give years of service.

Special care should be taken with the Power Supply and Air Gun as with any electronic device. Do not drop or shake the power supply or air gun. Avoid mounting the power supply to surfaces that would have excessive vibration. Do not tug or jerk on the power cable of the air gun or the power cord of the power supply.

Keep the Power Supply and Air Gun 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 air gun taking special care around the emitter point. If cleaners are used make sure the power supply and air gun are dry before operating them.

SERVICE

In the event of equipment damage or failure, call the factory for service or repair, 513-353-4306 or 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 Ion Blast 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, 513-353-4306 or 800-792-8255.

HEALTH AND SAFETY

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

The 2000S 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 Air Gun 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 Air Gun or cleaning the system. Not doing so could result in personal electrical shock and/or damage to the unit.

The emitter on the Ion Blast Air Gun is resistively coupled with 100Mohm resistance in-line with the high voltage source that makes the emitter shockless when touched. In general, however, contact with the emitter should be avoided.

By design, the Ion Blast emitter is very sharp. Take care when in the area of the emitter.

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

A byproduct of the Ion Blast Air Gun is ozone. The ozone emission from the Bar is less than 0.1ppm and well below OSHA standards providing safe working conditions around the system.



TAKK INDUSTRIES INCORPORATED

5838 State Route 128 Suite A Cleves, OH 45002 USA
Fax (513) 353-4315 Phone (800) 792-8255 or (513) 353-4306 sales@takk.com www.takk.com