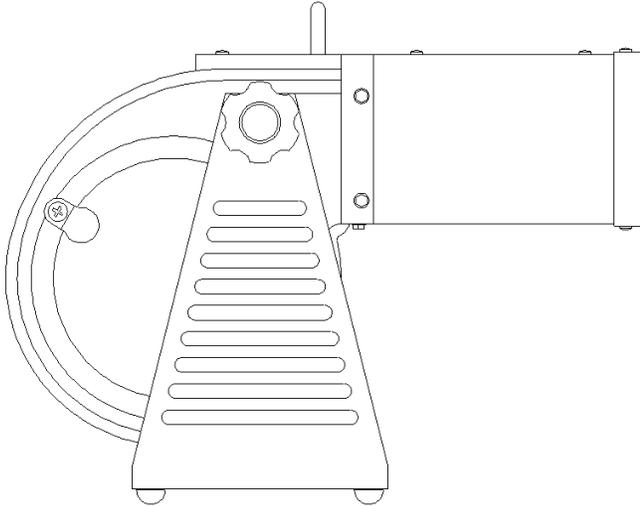


Installation / Operation / Maintenance

Staticmaster® Ionizing Air Fan

Model 6200HOB



The length of time between routine cleaning will vary according to the cleanliness of the environment. In most applications, a quick brushing (or blow out with a compressed air gun) once each month is adequate.

Installation

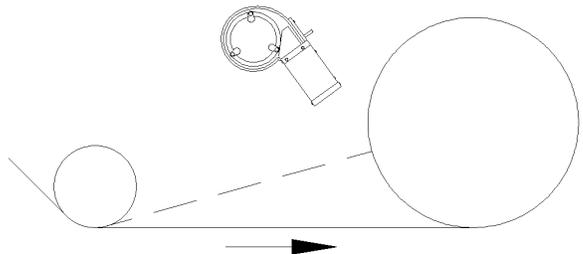
Initial set-up and Positioning

Proper location and positioning of the Staticmaster® 6200HOB is essential to satisfactory performance and to the life of the equipment. Because each application is somewhat unique, careful thought should be given to establish the best location and installation.

Most of the time, the best place to install any type of static control equipment is immediately ahead of the problem. For example, if an operator is getting shocked from a rewind roll, then the ionizer should be placed so that the last thing the material passes before it winds onto the roll is the ionizer. The advantage of the Staticmaster® 6200HOB Ionizing Air Blower is that (unlike a static bar that must be mounted within inches of the material) it can effectively neutralize an electrostatically charged material from a distance of several feet. This means that the material will be in the effective range of a properly mounted Staticmaster® 6200HOB from the time it starts winding until it is fully wound.

General Guidelines

- Make sure that the line voltage used to supply power to the Staticmaster® 6200HOB is correct. It is essential to the performance of the unit and to the safety of the operator that the unit is properly grounded. Proper grounding is accomplished by inserting the line cord into a mating receptacle equipped with a known, properly connected ground. **CAUTION: Do not remove the ground prong from the line cord!**
- Overall, keep the unit clean and free of water, oil, grease, and other contaminants that may cause the unit to short circuit, reduce efficiency, and shorten the useful life of the unit.
- Clean the ionizing points routinely for optimum performance. **CAUTION: Turn the power off while and whenever brush cleaning the emitter points.**



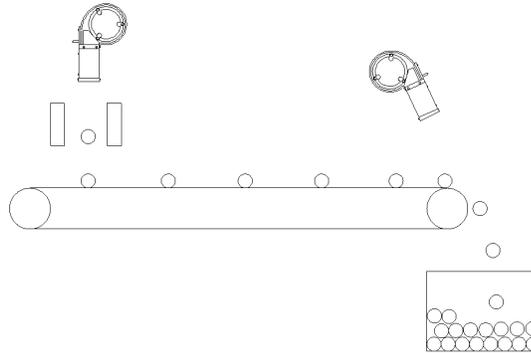
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Another example would be neutralizing plastic parts as they exit a plastic injection mold and are conveyed to a container. Keeping parts neutralized through this process will prevent them from re-attracting to the mold cavity; prevent them from attracting air borne contamination; allow them to fall freely from the conveyor and into the container, and prevent annoying, uncomfortable, shocks to operators.

To Achieve Best Results

- The Staticmaster® 6200HOB must be properly grounded. It comes equipped with a UL-approved detachable line cord with a three-prong plug on one end and a three-prong receptacle on the other end. It is essential to the performance of the Staticmaster® 6200HOB and to the safety of the operator that the third prong (ground) never be removed and that the three-prong plug be inserted only into a known, properly wired and grounded three-prong receptacle.
- Metal or other conductive materials (too close to the material to be neutralized) act as a sink for static neutralizing ions stealing them from the electrostatically charged material for which they are intended. Be sure that the material to be neutralized is not in contact with another surface. Direct the ionized air toward the material or parts just before or just after they come in contact with a background surface. As much as possible, the material or parts should be in free air to achieve maximum neutralizing results from Ionizers.
- The Staticmaster® 6200HOB is an extended range air ionizer. It is capable of neutralizing electrostatically charged materials as distant as ten feet. However, the closer it is to the charged material, the faster the charge will be neutralized. If the charged parts are stationary, and the length of time required to neutralize them is of no consequence, then the Staticmaster® 6200HOB could be sufficiently effective mounted at a distance of ten feet from the material. If the material were passing by the ionizer at 1000 feet per minute, then it would be virtually ineffective from ten feet. On average, the most effective range for the Staticmaster® 6200HOB is within two feet.
- The Staticmaster® 6200HOB will operate efficiently above, below, or on either side of the material. Keeping the ionizing points facing downward will minimize contamination and falling foreign matter from collecting on them.
- A universal bracket and mounting hardware is provided with the Staticmaster® 6200HOB.



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Maintenance

CAUTION: The Staticmaster® 6200HOB uses high voltage and low current to create air ionization. Accidentally touching energized high voltage connections and “emitter points” will cause electrical shock. Be sure to turn power off whenever cleaning or servicing the unit. Only certified electricians and qualified technicians should attempt to service and maintain the Staticmaster® 6200HOB.

The Staticmaster® 6200HOB requires little attention after it has been properly placed and installed. However, use caution whenever the points are exposed; they are sharp and can cause pinpricks and scratches if mishandled.

The Staticmaster® 6200HOB is designed to be rugged, dependable, and trouble free. It can tolerate some contamination build-up without consequence but excessive contamination will reduce the efficiency. Periodic cleaning with the brush provided or with a compressed air blow-off gun will keep the Staticmaster® 6200HOB performing at peak efficiency. Usually, in the average manufacturing environment, a quick once a month cleaning is sufficient (more often in a dirty environment, less often in a clean one).

Do not use a brush with metal bristles. Shedding metal bristles trapped in the unit’s circuitry will lead to a short circuit condition and ultimate failure.

To help keep the ionizing emitter assembly free from contamination, a simple (to remove and replace) foam filter is installed on the intake side of each blower fan. Cleaning or replacing the

filters should be included in the routine maintenance of the Staticmaster® 6200HOB. Running the Staticmaster® 6200HOB over an extended period of time with clogged filters will cause the blower motor to labor unnecessarily and shorten the life of the unit.

Specifications

Power Requirements: 120 v, 60 Hz
.8 amp

Weight: 17.5 lbs

Dimensions: Width: 16 ½ inches
Height: 10 ½ inches
Depth: 14 ½ inches

Air Volume Output: Variable; 100 - 300 cfm

Effective Coverage: 2’ x 10’ area

Discharge Time: 0.5 seconds at 1’;
fan speed high
(decay 5000V to 500V,
20 pf plate)

Certifications:



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Trouble shooting

The Staticmaster® 6200HOB is designed to neutralize static electricity by creating a field of positive and negative ions. When the electrostatically charged material is exposed to the field of bi-polar, ionized air, the material will attract the polarity required and become neutralized. If static electricity is the cause of a process problem, the problem can be brought under control, most of the time, with the proper choice, installation and use of Ionization equipment. If you find the Staticmaster® 6200HOB does not significantly reduce or eliminate the problem, after it has been properly installed, please check the following:

- Is the female end of the line cord properly secured into the receptacle on the Staticmaster® 6200HOB?
- Is the fuse OK? (It is located on the receptacle at the female end of the line cord)
- Is the three-prong male end plugged securely into a proper mating receptacle with ground?
- Is there continuity between the known ground and the Staticmaster® 6200HOB?
- Is there power at the outlet?
- Does the power being supplied match the power requirements on the nameplate?
- Is the Staticmaster® 6200HOB properly placed and secure?
- Is there free air (and no background surface) surrounding the charged material as described earlier?
- Are the foam filters (on the ends of the blower fans) clogged or is the airflow restricted in anyway?



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