

Aerostat® PC Ionizing Air Blower

SIMCO's **Aerostat® PC Ionizing Air Blower** provides localized coverage with superior charge decay efficiency. The Aerostat PC is designed to provide ionization to a targeted work surface.

Distinguished by its variable speed control and patented emitter point cleaner, SIMCO's Aerostat PC is an excellent choice for eliminating static in production processes. While helping to protect products and personnel from the effects of static discharge, the Aerostat PC is lightweight, small, and quiet - making it easy for the user to direct the ionization where it is needed.

Applications

- Medical
 - Device manufacturing
 - Component assembly
- Injection Molding
 - Small parts
- Pharmaceutical
 - Vibratory feeder bowl



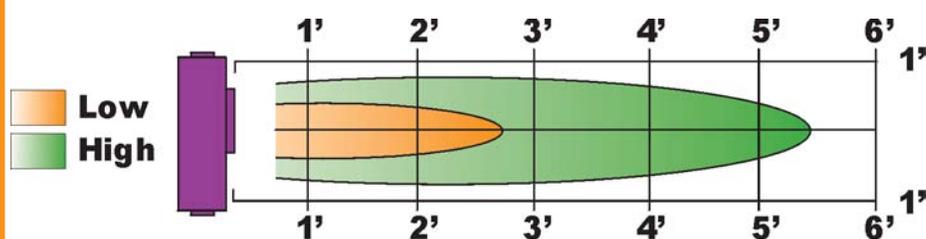
Close-up of emitter point cleaner



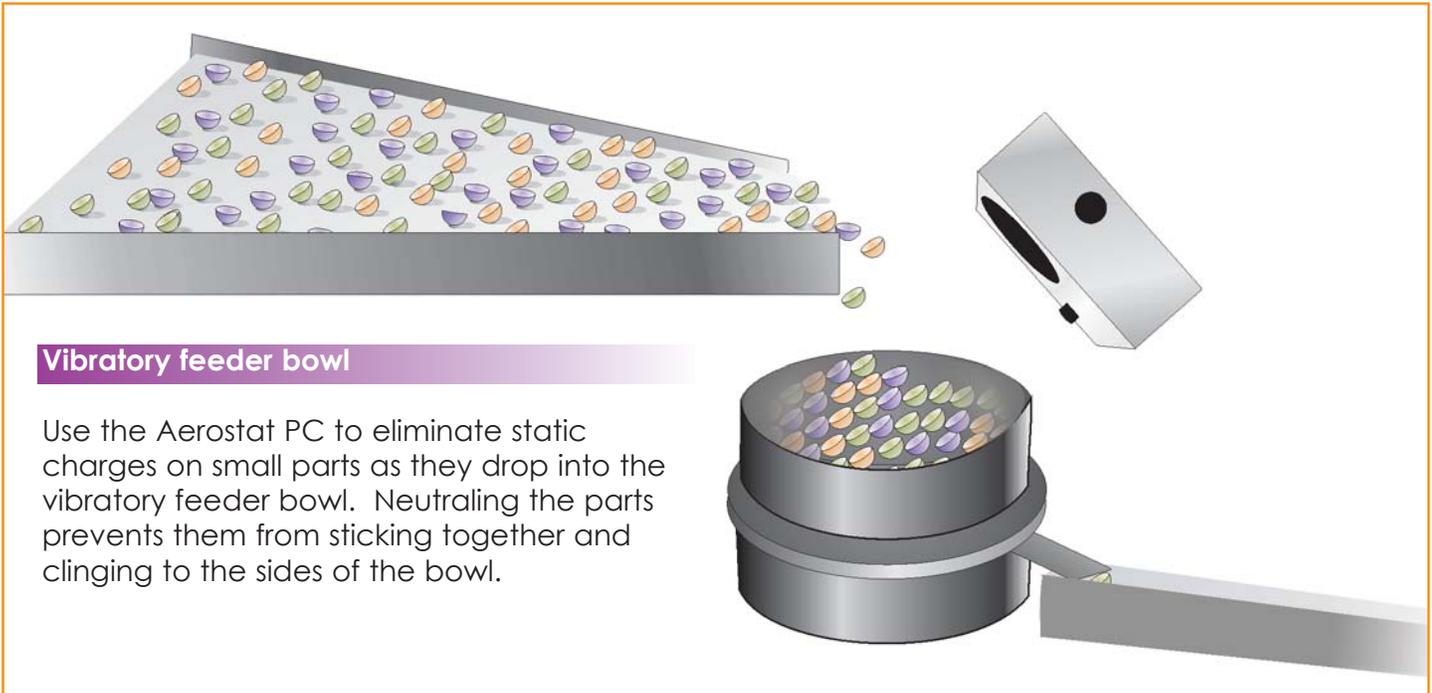
Features and Benefits

- Fast, targeted neutralization of static charges
- Lightweight, compact and quiet for unobtrusive use
- Built-in point cleaner simplifies maintenance
- Variable speed fan for airflow control
- Status lamp indicates high voltage is present at the emitter points
- Integrated heater for warm air flow if desired

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Each region represents a discharge time of less than 10 seconds. Low and High indicate fan speed. Discharge time determined per EOS/ESD standard 3, 1000 volts to 100 volts.



Vibratory feeder bowl

Use the Aerostat PC to eliminate static charges on small parts as they drop into the vibratory feeder bowl. Neutralizing the parts prevents them from sticking together and clinging to the sides of the bowl.

Specifications

Part Number: 4009885

Power Requirements:
120 VAC, 60 Hz

- 0.1 Amp (fan speed low)
- 1.7 Amp (fan speed high)

Ion Balance: +/-5 volts

Weight: 5.3lbs. (2.4kg)

Air Volume Output: 35CFM - 70CFM

Size: 5¹/₂" x 8⁵/₈" x 3¹/₄" (WxHxD)

Effective Coverage: 1' x 5' area

Heated Air Temperature:

- Fan Speed Low: 25°F (14°C) above ambient
- Fan Speed High: 11°F (6°C) above ambient

Discharge Time: 1.0 seconds at 1'; fan speed high (5000V to 500V)

Audible Noise:(2 ft from unit)

- Fan Speed Low: 50 dB
- Fan Speed High: 57 dB

Air Velocity:

Fan

Speed	1'	2'	3'	4'
Low	250	200	150	125
High	500	400	300	250

Velocity is FPM measured at center line of airstream.

Ozone Production: 0.005 ppm measured 6" in front of unit. Test conducted in accordance with EPA EQQA-0577-019 using Dasibi Ozone Monitor model 10030AH.

Enclosure and Finish: Aluminum and Acrylic Enamel