



Wide Performance Ionizing Blower

AEROSTAT[®] FPD

The Aerostat FPD series of products has been designed to control electrostatic charges in flat panel assembly and electronics manufacturing applications requiring stable operation with exceptionally fast discharge time performance. The FPD ionizing blowers are built for reliability and simplicity.

Aerostat FPD utilizes reliable, low maintenance AC corona technology with high flow rate fans to provide fast static discharge performance. The inherent stability of the Aerostat FPD reduces maintenance frequency and a built-in emitter cleaner reduces maintenance time. Our unique geometry and airflow control provides consistent performance, meeting the demands of product assembly operations.

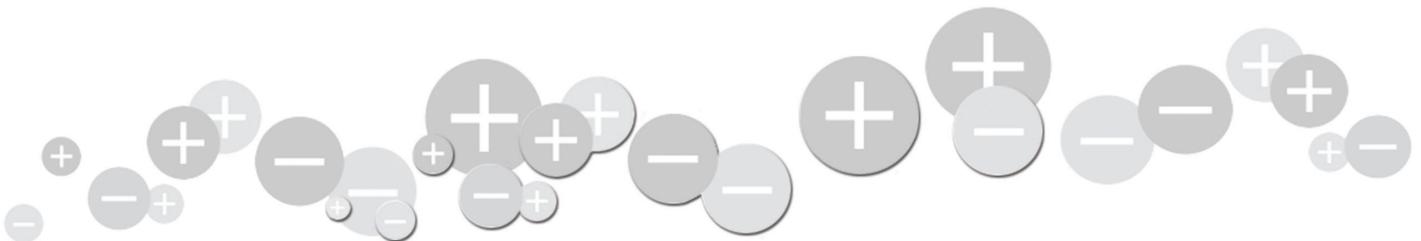
The Aerostat FPD's self-monitoring feature assures the user of controlled, consistent ion output. A light indicates both that power is applied to the unit and that ions are being produced. Performance is enhanced by the use of Simco-Ion's industry-leading and highly reliable AC technology.

Features

- High output, high-velocity fans
- Inherently balanced ionization
- Ionization indicator light
- Built-in emitter point cleaner
- Optional fan air filter

Benefits

- Extremely fast static charge neutralization over a wide horizontal or vertical application area
- Offers consistent performance with low maintenance frequency
- Visual indication that the target product is being neutralized
- Continued blower operation will require little maintenance
- Protection for internal components from environmental contamination



Aerostat FPD																			
Input Voltage	120 VAC, 60 Hz: 0.3A (2-fan); 0.4A (3-fan); 0.5A (4-fan) 230 VAC, 50 Hz: 0.2A (2-fan); 0.2A (3-fan); 0.3A (4-fan)																		
Discharge¹	1.0 sec @ 12" (30.5 cm); 1000-100V fan high																		
Balance	0 ±10V																		
Ion Emission	AC Technology																		
Emitter	Stainless Steel																		
Cleanroom Class	ISO 14644-1 Class 5																		
LED Indicator	Ionization ON																		
Control	Recessed fan speed and ON/OFF switch																		
Air Supply	<table border="1"> <thead> <tr> <th>Speed²</th> <th>1 ft</th> <th>2 ft</th> <th>3 ft</th> <th>4 ft</th> <th>5 ft</th> </tr> </thead> <tbody> <tr> <td>Low (fpm):</td> <td>500</td> <td>350</td> <td>250</td> <td>200</td> <td>150</td> </tr> <tr> <td>High (fpm):</td> <td>1000</td> <td>700</td> <td>500</td> <td>400</td> <td>300</td> </tr> </tbody> </table> Filter: 30 ppi open cell polyurethane foam (optional)	Speed ²	1 ft	2 ft	3 ft	4 ft	5 ft	Low (fpm):	500	350	250	200	150	High (fpm):	1000	700	500	400	300
Speed ²	1 ft	2 ft	3 ft	4 ft	5 ft														
Low (fpm):	500	350	250	200	150														
High (fpm):	1000	700	500	400	300														
Audible Noise	59-69 dBA (max), measured @ 24" (61.0 cm) from blower																		
Ozone	Equilibrium concentration <0.02 ppm																		
Operating Env	50-90°F (10-32°C); 30-70% RH, non-condensing																		
Mounting	Stainless steel bracket																		
Enclosure	Powder-coated white enamel Aluminum																		
Dimension	2-fan: 23.25"L x 4.0"H x 6.25"D (59.1 x 10.2 x 15.9 cm) 3-fan: 35.5"L x 4.0"H x 6.25"D (90.2 x 10.2 x 15.9 cm) 4-fan: 47.75"L x 4.0"H x 6.25"D (121.3 x 10.2 x 15.9 cm)																		
Weight	2-fan: 10 lb (4.54 kg); 3-fan: 13 lb (5.90 kg); 4-fan: 16 lb (7.26 kg)																		
Warranty	Two year limited warranty																		
Certification																			

1. Tested in accordance with ANSI /ESD STM3.1-2015.
2. Air velocity in FPM measured at the center of the air stream.

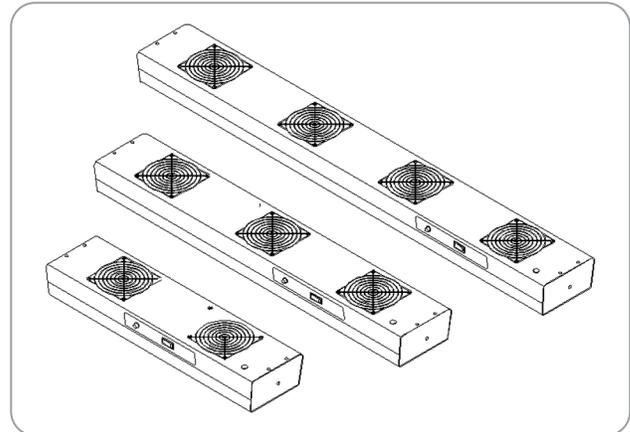
Ordering Information

4011005	Aerostat FPD 2-fan Ionizer, 120/230V, 50/60 Hz, North America
4011279	Aerostat FPD 2-fan Ionizer, 120/230V, 50/60 Hz, Continental Europe
4011280	Aerostat FPD 2-fan Ionizer, 120/230V, 50/60 Hz, United Kingdom
4016010	Aerostat FPD 2-fan Ionizer, 120/230V, 50/60 Hz, China
4011007	Aerostat FPD 3-fan Ionizer, 120/230V, 50/60 Hz, North America
4011281	Aerostat FPD 3-fan Ionizer, 120/230V, 50/60 Hz, Continental Europe
4011282	Aerostat FPD 3-fan Ionizer, 120/230V, 50/60 Hz, United Kingdom
4016011	Aerostat FPD 3-fan Ionizer, 120/230V, 50/60 Hz, China
4011009	Aerostat FPD 4-fan Ionizer, 120/230V, 50/60 Hz, North America
4011283	Aerostat FPD 4-fan Ionizer, 120/230V, 50/60 Hz, Continental Europe
4011284	Aerostat FPD 4-fan Ionizer, 120/230V, 50/60 Hz, United Kingdom
4016012	Aerostat FPD 4-fan Ionizer, 120/230V, 50/60 Hz, China
4710017	Aerostat Air Filter Retainer (one per fan required)
4100810	Aerostat Air Filter (6 pack)

FPD Coverage Areas

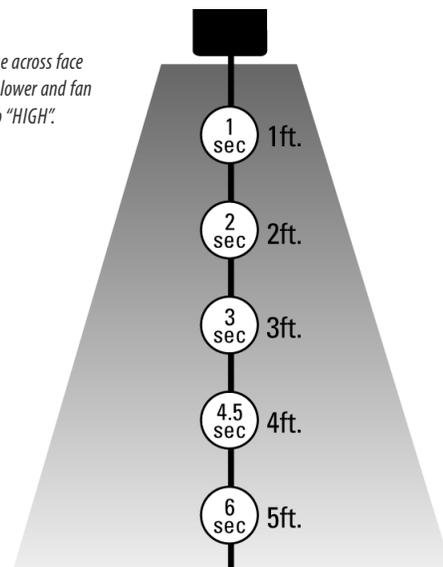
The Aerostat FPD ionization blower comes in either 2-fan, 3-fan, or 4-fan chassis lengths. Each length is designed for optimal coverage area and a variety of applications:

Blower	Overhead Applications	Benchtop Applications
2-fan	2'W x 2'L (0.6m x 0.6m)	2'W x 5'L (0.6m x 1.5m)
3-fan	2'W x 3'L (0.6m x 0.9m)	3'W x 5'L (0.9m x 1.5m)
4-fan	2'W x 4'L (0.6m x 1.2m)	4'W x 5'L (1.2m x 1.5m)



Discharge Times (typical)

Discharge time across face of overhead blower and fan speed is set to "HIGH".



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