

Aerostat® FPD

The Aerostat FPD series of products has been designed to control electrostatic charges in assembly and electronics manufacturing applications requiring stable operation with exceptionally fast discharge time performance. The FPD overhead products 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 FPD product reduces maintenance frequency and a built in emitter cleaner reduces maintenance time. Our unique geometry and airflow control provide consistent performance, meeting the demands of product assembly operations.

Products feature self-monitoring to assure 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 use of Simco's industry leading and highly reliable AC technology.

- ▶ *Fast Static Discharge*
- ▶ *High Reliability*
- ▶ *Built-in Emitter Point Cleaner*
- ▶ *Ions Present Indicator*

Aerostat FPD



Aerostat FPD ion air blowers provide the highest airflow and widest coverage area for big jobs, where providing the fastest discharge time is critical to meet process requirements. Available in two, three, and four fan models FPD provides coverage in a variety of applications.

Specifications:

Performance*

Discharge Time: 1.0 second; (center position, high fan speed)
Offset Voltage: $0 \pm 10V$

Operational Specifications

Ion Balance: Auto-adjust
Power: 0.5 Amps. maximum consumption
Operating Temp: $0^{\circ}C$ ($32^{\circ}F$) to $50^{\circ}C$ ($122^{\circ}F$)
Ozone: Equilibrium concentration <0.02 ppm

Audible noise: 59 to 69 dB (A) Max.

Mechanical Specifications

OFF/ON: Two position switch
Fan Speed: Recessed potentiometer
Indicator: Ionization ON light
Enclosure: Aluminum
Color/Finish: White enamel
Mounting Brackets: Stainless steel

Option

Air Pre-filter: 30ppi open cell polyurethane foam

Dimensions / Weight			
	2-fan FPD	3-fan FPD	4-fan FPD
Dimensions	590 x 100 x 160 mm (23.25" L x 4.0" H x 6.25" W)	900 x 100 x 160 mm (35.5" L x 4.0" H x 6.25" W)	1215 x 100 x 160 mm (47.75" L x 4.0" H x 6.25" W)
Weight	4.5 kg (10 lbs.)	5.9 kg (13 lbs.)	7.3 kg (16 lbs.)
Coverage Area	0.6m x 1.5m (2' x 5')	0.9m x 1.5m (3' x 5')	1.2m x 1.5m (4' x 5')

Part Numbers	Cord Set		
	N. America	Continental Europe	UK
Aerostat FPD			
2-fan, 120/220 VAC, 50/60 Hz	4011005	4011279	4011280
3-fan, 120/220 VAC, 50/60 Hz	4011007	4011281	4011282
4-fan, 120/220 VAC, 50/60 Hz	4011009	4011283	4011284

*Tested in accordance with ANSI ESD-STM3.1-2000, IONIZATION

