Ionized Air Products

Model 260
Antistatic Air Gun

Electrostatic charges in production processes often cause disruptions and reduce both the process speed and the product quality.

The 260 Antistatic Air Gun provides exceptional performance when neutralising static charges and removing dust and contamination on a wide range of industrial processes.

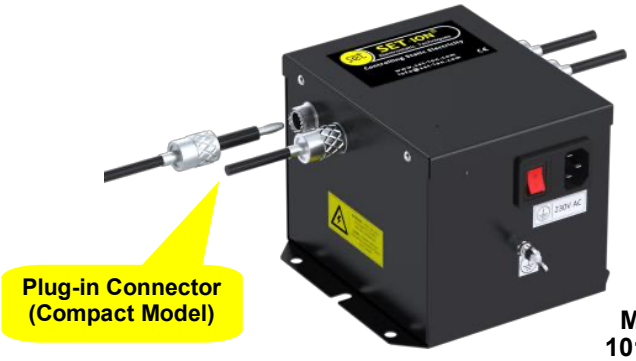
The long discharging range supported by a powerful blast of air provides three-dimensional static ionization and blowing off static dust at the same time.

Charged surfaces which attract dirt particles can be effectively discharged, keeping the surfaces free of dust before converting and finishing.

A perfect preparation particularly for painting and coating processes where dust-free parts are critical for gloss and quality.

The system is suitable for many discharging duties in various industries such as plastic, packaging, printing, optical, chemical and textile, for instance during separating and fanning paper and foil stacks, finishing plastic products and textiles, during the cleaning of surfaces, etc.

- **Compact and small construction**
- **Plug and Play: Connector type**
- **Easy installation and electrical connection**
- **Long-lasting, safe and trouble-free**
- **Current limited for operator safety**
- **Short-circuit protection for output**
- **Neutralize static electricity and remove dust**
- **Available in cable lengths up to 10m.**



Model 101-SPU

Specifications

Construction	**Ionizer:** Anodised aluminium, epoxy resin, PVC and hardened etched emitters. **Nozzle:** Windjet ABS High-performance nozzle **Gun:** Aluminium			
Cable	Hi-Flex high voltage screened cable with 60 mm bend radius. Standard length is 3m - longer lengths can be specified at time of order (subject to maximum load on power unit).			
Power Supply	**Model 101-SPU**	7-8kV~, 5 mA max.		
Environment	**Temprature**	+60°C Max	**Humidity**	70% rH
Safety	5 mA maximum current from Power Unit. The system limits current to below 50 µA on the emitters. Shockless operation - Enhanced operator safety.			

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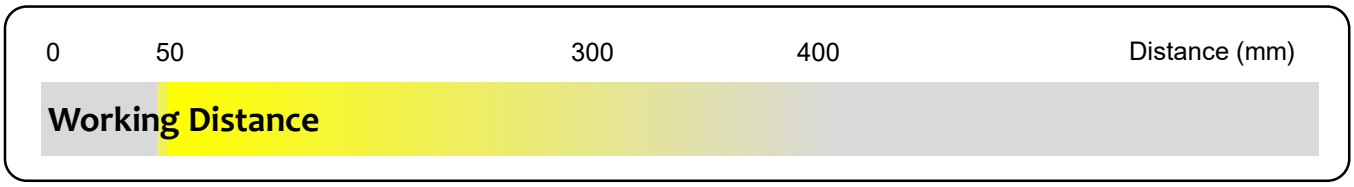

Air Specifications

Air Consumption per nozzle (Nl/min)				
0.7 bar	**2 bar**	**3 bar**	**4 bar**	**6 bar**
181	345	462	578	810
Air Consumption per nozzle (SCFM)				
10 PSI	**30 PSI**	**40 PSI**	**60 PSI**	**90 PSI**
6.4	12.4	15.3	21.0	29.4

The compressed air should be clean and dry. The pressure required depends on the length of the Bar and the distance between the nozzles and the object. The maximum air pressure is (125 PSI) 8.6bar provided that air fittings for that pressure are specified.

The air consumption will depend on the pressure of the compressed air. ABS nozzle is used on the 260 Antistatic Air Gun. You can find the data of the nozzle from the table below. Air supply is 1/4"BSPT threaded connection.

- **Maximum Ionisation**

The ions are produced outside of the gun resulting in a performance which is many times more effective than traditional internal ionisation heads.

- **Economical Air Consumption**

The amplifier nozzle provides 25% gain in compressed air.

- **Robust and Ergonomic Construction**

Stainless equipments.
All major parts are replaceable.

- **Hi-Flex Cable**

Designed for robot operation and ordinary manual works.

- **High Thrust**

Thrust required for effective cleaning.

When the trigger is pulled, air trvels from the nozzle at high speed by picking up the ionized air produced by the ionization head. And the ionised air is blown at high speed towards the target.

The ionised airflow will neutralise the target surface, releasing the surface contamination and allowing it to be blown off. Both the target and the dust will be static-free so preventing re-attraction.

Applications

PRINTING Saves production time and rejects/waste.
• Labeling • Sheet-fed • Wide format • Collating
• Binding • Folding

PACKAGING Eliminates tough static problems.
• Over wrapping • Form, fill and seal • Palletizing
• Shrink wrapping • Labeling operation • Stocking

TEXTILES & NON-WOVENS Speeds production.
• Accumulators • Creels • Weaving • Bonding
• Wolding • Carding • Slashing • Warping • Winding

CONVERTING Evenly distributes effective ionization.
• Sheeting • Slitting • Laminating • Coating • Bag making
• Die cutting • Unwinding • Rewinding • Clean room
• Paper and film • Electronic assembly

PLASTICS Eliminates dust/dirt contamination and flow problems.
• Plastic extrusion • Web handling • Bag wicketing
• Forming and molding

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