

Ionized Air Products

Model 245 Ionized Air Nozzle



Model 245-F



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

The 245 Ionized Air Nozzle 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.

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.

The 245 Ionised Air Jet produces a fast, quiet, flat jet of ionised air for efficient static neutralisation and cleaning.

- 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.
- Fully encapsulated electrical assembly, for market-leading reliability and safety
- Suitable for applications in food, pharmaceuticals, medical and clean room applications
- Completely shockless in operation, despite high power

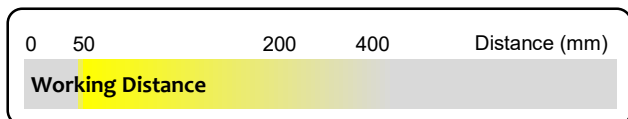


Model 245-R



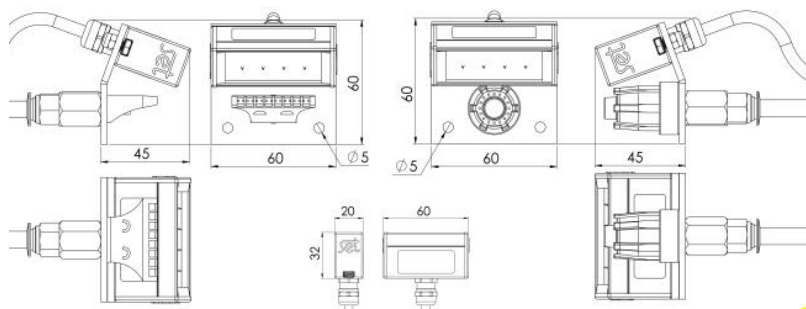
Specifications

Construction	Ionizer: Anodised aluminium, epoxy resin, PVC and hardened etched emitters.			
	Nozzle: Windjet ABS High-performance nozzle			
Mounting Bracket: Aluminium				
Cable	Hi-Flex high voltage screened cable with 60 mm bend radius. Standard length is 2m - longer lengths can be specified at time of order (subject to maximum load on power unit).			
Environment	Temperature	+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.			
Power Supply	100-SPU and 101-SPU SET-ION AC Power Units 4 Outputs 7-8kV~			



When the trigger is pulled, air travels 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.



Model 245-F

Model 245-R

Plug-in Connector (Compact Model)



Model 101-SPU

Air Specifications

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. You can find the data of the nozzle from the table below. Air supply is 1/4"BSPT threaded connection or outer diameter 8mm pipe.

Air Consumption per nozzle (NI/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