

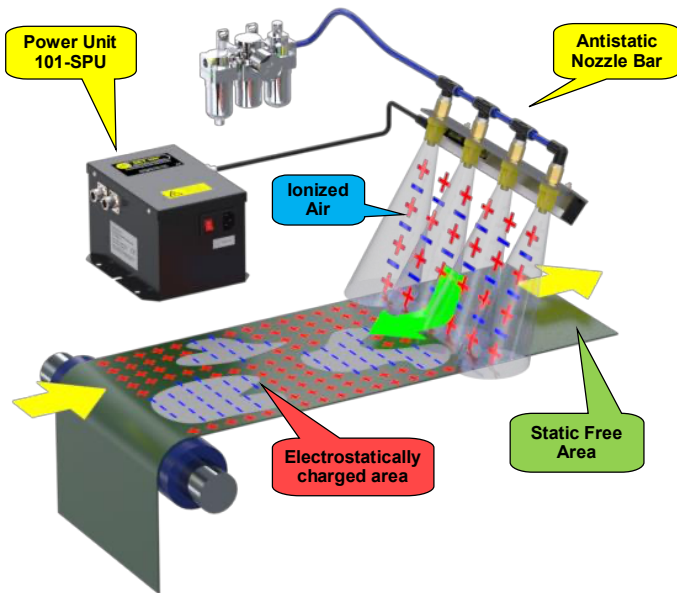
Ionized Air Products

Model 240 and 241 Antistatic Nozzle Bars

Model 240 - 241 Antistatic Nozzle Bars are the nozzle type air blown model of Model 200 - 201 Antistatic Bars. Compressed air nozzles extends the effective static elimination of the bar range up to 1000mm.

Besides long distance ionization, the air bar is used for three-dimensional products, restricted areas or products which moves in the position. It also allows for part and surface blow-off, eliminating dirt and dust contamination.

Nozzle Bars with high-speed air nozzles are used for static cleaning and prevention of dust in moldings, plastic sheets, conveyors and three-dimensional parts of various sizes.



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 length of the bar and the pressure of the compressed air. ABS nozzle is used on the Antistatic Nozzle Bars. You can find the data of the nozzle from the table below.

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

Standard and Optional Specifications

It has all the features and options of 200 - 201 Antistatic Bars.

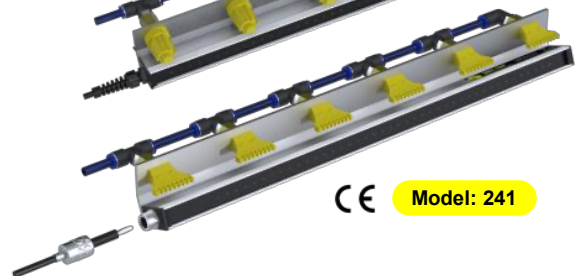
Please refer to the technical documentation for Model 200 - 201 Bar for further information.



Model: 240



Model: 241



0 50 600 1000 Distance (mm)

Working Distance

How It Works

Ionized air of a standard AC static eliminator has a short life (typically about 2 seconds) before it becomes ordinary air. In this time ions can go to max 150-200mm.

The Nozzle Bar uses the airflow from the nozzles to transport the ionized air to the object within 2 seconds. For example, it can neutralize up to 600mm with 1-2 bar air pressure and neutralize up to 1000mm with 3-4 bar air pressure. The airflow speed and the neutralization distance are increased by raising the air pressure.

The Nozzle Bar is mostly used for cleaning as well as static neutralisation. The ionized air travels at a 20° angle to the pins of the bar. The typical operating distance for cleaning applications is 150 to 300 mm.

For purely static neutralisation applications, please also consider our Model 500 Ionised Air Blowers which have lower running costs.

