

4200 Single Point Ionised Air Nozzle

High performance static eliminator suitable for neutralising the static charge and removing dust on smaller objects.

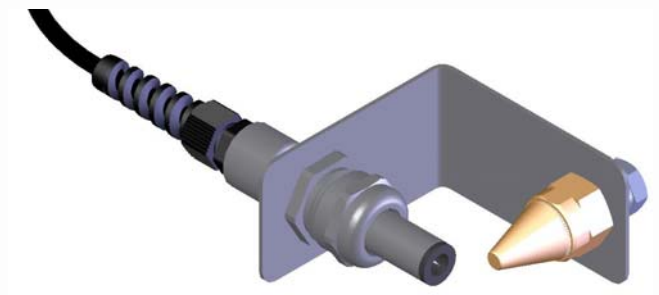


Benefits and Advantages

- Design optimised for maximum static neutralisation and blow-off power, with minimum air consumption and noise.
- The 4200 SP incorporates the powerful 1260 Single Point Ionising Bar mounted onto a stainless steel bracket with an airflow amplifier nozzle.
- The resistively coupled design produces a large volume of ionisation for neutralising fast-moving products and high charges.
- The air nozzle is an airflow amplifier which magnifies the compressed air by a factor of up to 20 for economical and quiet operation. Air pressure can be adjusted from 1 Bar for gentle ionised airflow to 7 Bar for removing stubborn dust. At 4 Bar pressure the noise level is under 68dBA.
- All critical parts are encapsulated for a long life and market-leading reliability. All parts may be replaced if damaged.
- Compact and easy to install with standard 1/4" air connection.
- Completely shockless in operation.

How it works:

The 4200 Single Point transports ionised air at high speed towards the object. The ionisation kills the static charge allowing the dust to be blown off by the fast-moving air.



Construction:	Stainless steel body with PVC and nylon. Stainless Steel bracket with anodised aluminium air nozzle.
Dimensions:	Bracket - 71mm x 72mm x 40mm.
Cable:	2m of screened HT cable is standard. Customer may specify up to 10m.
Air consumption:	Regulate down to required pressure. From 1 Bar to 7 Bar. Air must be clean and dry.
Max. temperature:	60°C.
Safety:	100 MOhm resistance for shockless operation.
Power Unit:	Use with Fraser 5.5kV Power Units - see Datasheets.

Air Consumption

Pressure	Compressed Air Consumption	Thrust
3 Bar	168 lit/min	1.2N
4 Bar	196 lit/min	1.6N
5 Bar	224 lit/min	1.9N
6 Bar	248 lit/min	2.3N
7 Bar	270 lit/min	2.7N

Typical operating distance is 100mm with a pressure of 5 Bar. At 100mm the air covers 100mm width.

