4510 IONISED AIR NOZZLE

The 4510 is part of Fraser's comprehensive range of cleaning products for removing dust and static electricity from mouldings, assemblies, PCBs, automobiles, graphics, optics and medical parts.

The 4510 Ionised Air Nozzle produces a fast, quiet, flat jet of ionised air for efficient static neutralisation and cleaning.



PERFORMANCE

- Up to 6 kV of ionising power provided by Fraser HP Power Unit.
- Thoroughly neutralises the static charge, allowing the dust to be removed without the risk of re-attraction.

ESSENTIAL QUALITIES

- Simple design optimises ionisation and blow-off power.
- Flat, concentrated airflow.
- Nozzles amplify compressed air by up to 20:1 for economical operation.
- Low noise.
- Versatile and easy to install.

APPLICATIONS

- Removing dust and neutralising the static charge on small mouldings and similar parts.
- Widely used for product separation in automatic feeders.

SPECIFICATION

Construction:
Stainless Steel and PTFE.

Cable:
Hi-Flex 30 kV screened cable with 70 mm bend diameter. Standard length is 2 m - longer lengths can be specified at time of order (subject to maximum load on power unit).

Safety:
100 Mohm resistance in series with HV for shockless operation.

Power Unit:
Use with Fraser 5.5kV and 6 kV Power Units. See Datasheets.

Air Supply:
Air Pressure: maximum 7 Bar.
Air Consumption: 2 Bar: 180 l/min. 7 Bar: 520 l/min.
Air Fitting: push-fit connector for 8 mm OD Tubing.

Environmental:
60 °C maximum temperature. 70 % rH non-condensing max. Noise: 76 dBA @ 7 Bar.

Certification:
CE.

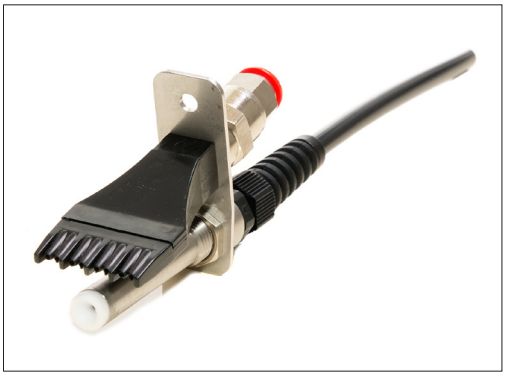
FRASER Anti-Static Techniques

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HOW IT WORKS

Ionised air produced by the stainless steel ionisation tube is transported by the compressed air coming out of the black plastic towards the object. The ionisation neutralises the static charge, allowing the air to remove the contaminant, or separate the products, etc.



DIMENSIONS

