

DUST & STATIC

4400 IONISED AIR NOZZLE

The 4400 is a compact, highly efficient ionised air jet which consists of a 1260 Single Point Ionising Bar and a proprietary air nozzle, mounted in a metal block.

The 4400 Ionised Air Nozzle is ideal for cleaning and neutralising the static charge on small product.

It is also used for sheet separation, where its thin but wide airstream is effective at separating sheets and neutralising the static charge which holds them together.

- > Huge amount of ionisation produced by the 1260 Single Point Ioniser - sufficient to neutralise the highest static charges.
- > Compact, high thrust air jet for powerful cleaning and removal of statically attracted dust and contaminants.
- > Safety nozzle, OSHA compliant.
- > Low noise: 14-16 dBA lower than 4mm open pipe.
- > Low Air consumption: 23 - 36 % lower than a 4 mm open pipe.
- > Mounting: threaded M4 through hole in middle of body.
- > All parts repairable/replaceable.



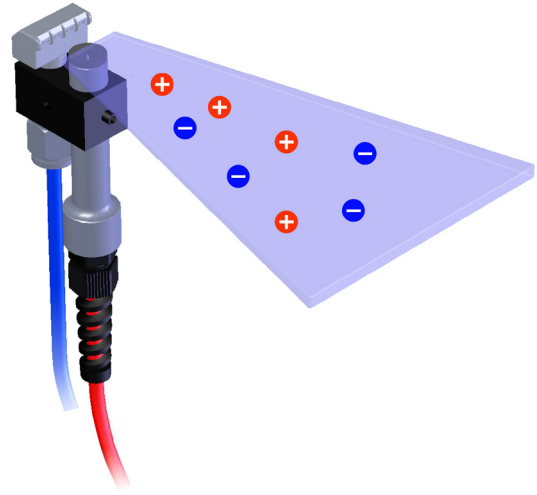
Specification

Materials:	1260: Stainless steel tube and PTFE insert, Tungsten emitter. Body: black anodised aluminium. Air Nozzle: zinc casting.
Cable:	Hi-Flex 30 kV screened cable with 70 mm bend radius. Standard length is 2 m - longer lengths can be specified at time of order (subject to maximum load on power unit).
Air Connection:	1/8 female thread in black body.
Power Unit:	Use with Fraser 5.5 kV and 6 kV Power Units. See Datasheets.
Environment:	60 °C max. 70 % rH non-condensing max.

How it works:

Ionised air from the 4400 Ionised Air Nozzle is transported at speed by the compressed air.

The ionisation kills the static charge allowing the fast air to remove the dust.



Air Consumption

Pressure	Consumption	Noise	Thrust
2 Bar	9.0 Nm ³ /h	71.1 dBA	1.3 N
4 Bar	15.5 Nm ³ /h	78.1 dBA	2.6 N
6 Bar	22.7 Nm ³ /h	82.8 dBA	3.9 N
Max 8 Bar	-	-	-

4400 Dimensions

