

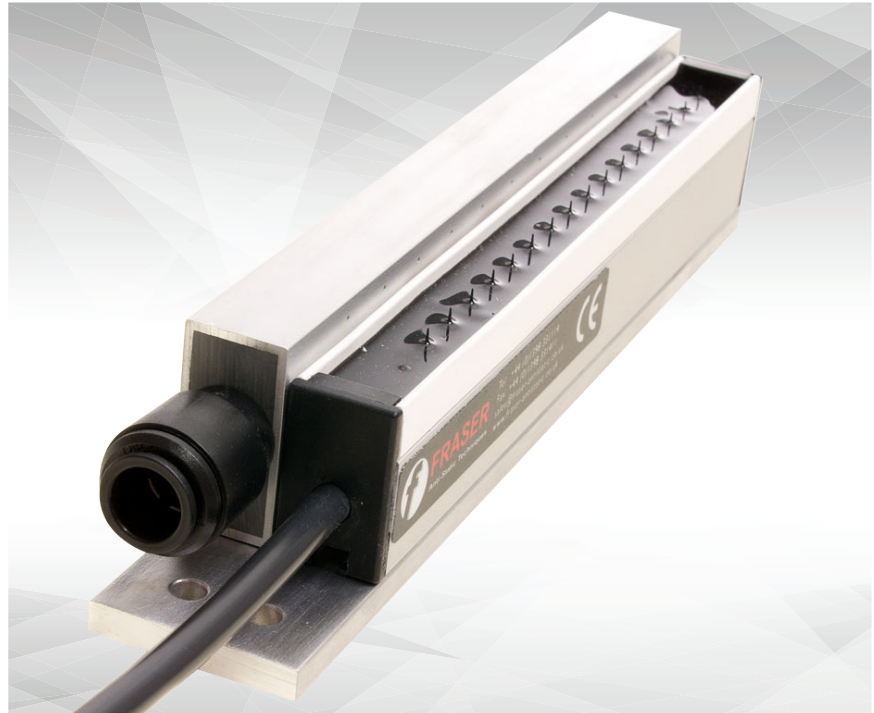
ANTI-STATIC BARS

1250-AB AIRBOOST STATIC ELIMINATOR

The 1250-AB Bar uses low pressure compressed air to extend the effective static neutralisation range up to 500 mm.

Typical applications for the 1250-AB are stopping film sticking to rollers on packaging machines, keeping sensors clean and free of static, neutralising mouldings on conveyors - and many others.

- > The 1250-AB has all the advantages of the 1250-S Bar with the assistance of an airflow which extends the neutralisation distance up to 500 mm.
- > It is used for blowing ionised air into a restricted area, onto a product which moves in position or onto a substantially 3-dimensional product.



Specification

Construction:

The 1250-AB consists of a 1250 Bar mounted onto an aluminium bracket with an airbox.

Air supply:

The air supply should be regulated down to about 1-2 Bar pressure to produce a gentle stream of ionised air. The 1250-AB is not designed for high pressure blow-off applications- it should not be used to remove dust from objects.

Air fittings:

Bars upto 1 m: one connector at the cable end for 12mm push-in pipe.
Bars over 1 m to 2.5 m: one connector at each end for 12mm push-in pipes.

Cable:

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

Safety:

5 mA maximum current from Power Unit. High voltage resistance inside bars further limits current below 50 μ A.

Environment:

60° maximum temperature. 70% rH non-condensing max.

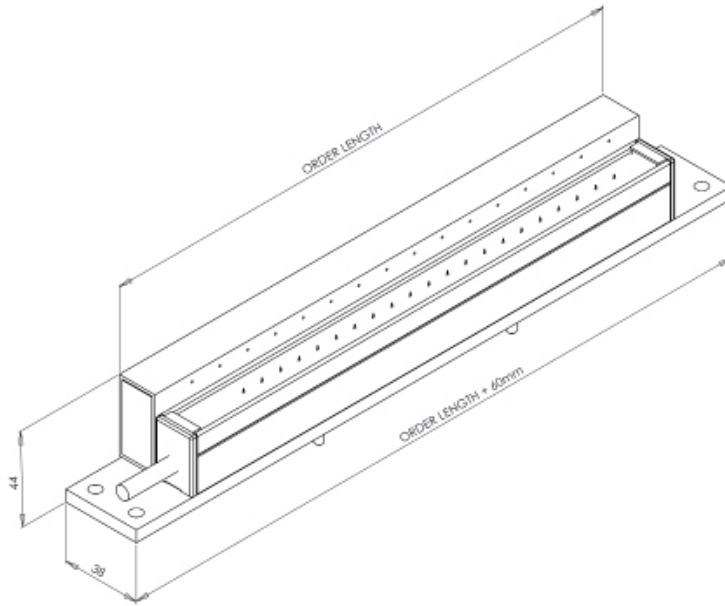
Power Units:

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

How it works

The 1250-AB works by applying high voltage to an emitter in a controlled and safe way. The electric field around the emitters ionises the air - breaking it up into positive and negative ions. These ions neutralise static electricity by being attracted to charges of the opposite polarity. Unused ions quickly dissipate into the atmosphere.

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