

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 500mm.

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 500mm.
- > 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 1250AB consists of a 1250 Bar mounted onto an aluminium bracket with an airbox.
Dimensions: Cross-section 38mm x 44mm high.
Aluminium base is 60mm longer than nominal length.
Two 6mm mounting holes at each end.

Air supply:

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

Air fittings:

Bars up to 1m: one connector at the cable end for a 10mm OD push-in pipe.
Bars over 1m to 2.5m: one connector at each end for 12mm push-in pipes.

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Air Supply:

The compressed air should be clean and dry. The pressure required depends on the length of the Bar. A typical pressure to achieve an airflow of 2m/sec on a 500mm long 1250 Air Bar is 0.8 Bar.

The holes in the air pipe are 1mm, spaced 15mm apart. The air consumption will depend on the length of the bar and the pressure of the compressed air. The 500mm Bar mentioned above will use approx. 40 lit/min at 0.8 Bar.

The standard air fitting supplied on the 1250 Air Bar depend on its length:

1250 Air Bar length - up to 1000mm: one 10mm push-in air fitting
- over 1000mm: one 10mm push-in air fitting at each end.

Other air fittings may be specified at time of ordering.

Air Pressure:

The normal operating air pressure is 0.5 - 2 Bar, depending on the length of the Bar. The maximum air pressure is 7 Bar provided that air fittings for that pressure are specified - please check with factory.

Construction:

1250-S Bar - see dedicated datasheet.

Fixing Studs: M4 x 25mm.

Pipeholders: Nylon brackets, M4 socket screws hold the pipe into the brackets.

Airpipe: standard pipe is 12mm aluminium with 1mm air holes every 15mm.

Other materials and hole arrangements are available, as agreed with factory.

1250-Air Bars are CE certified.

