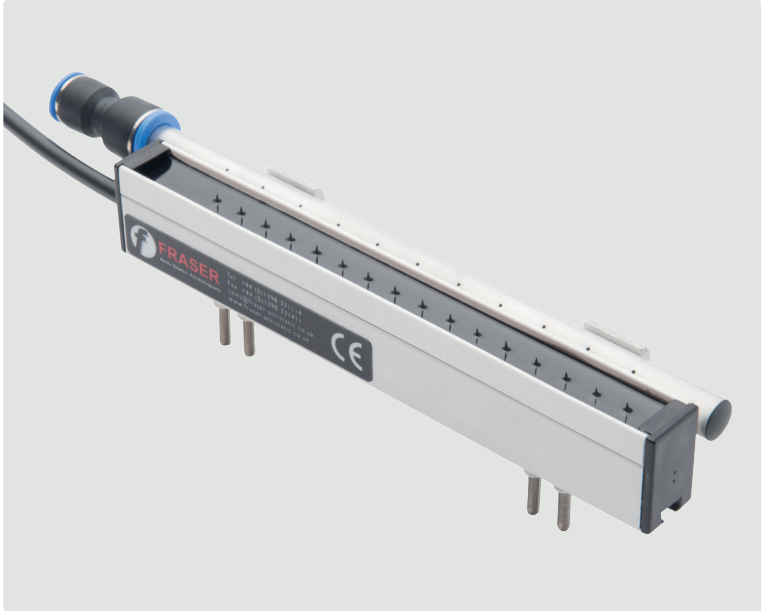
1250 AIR BAR STATIC ELIMINATOR

The 1250 Air Bar uses low pressure compressed air to extend the effective static neutralisation range of the 1250, 1250-S or EX-1250 bars to over 500 mm.

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



PERFORMANCE

- 5.5 - 6 kV of ionising power.
- Unique stay-sharp emitters at 10 mm pitch for long-term high performance.

ESSENTIAL QUALITIES

- All live parts are epoxy encapsulated for protection, reliability and a long life.
- Shockproof operation.
- Robust construction.

CONNECTIVITY AND CONTROL

- Wide choice of Fraser power units, including remote monitoring of operational status.

APPLICATIONS

- The 1250 Air has all of the advantages of the 1250-S Bar, with an extended range for applications such as:
  - preventing film sticking to rollers and unwinders
  - blowing ionised air into restricted spaces
  - keeping sensors clean and free of static
  - neutralising mouldings on conveyors
  - neutralising containers full of plastic products.

SPECIFICATION

Construction:
The 1250 Air consists of a 1250-S Static Eliminator Bar mounted onto an air pipe.
See separate Datasheet for 1250-S.

Cable:
2 m of flexible screened cable supplied unless otherwise specified at time of order.

Power Unit:
Use with a Fraser HP Power Unit operating at 5.5 - 6 kV.
See choice and details on separate Datasheets.

Air Supply:
Compressed air must be clean and dry. Typical pressure 0.5 to 2.0 Bar.
Bars up to 1000 mm length: 10 mm OD push-fit connector at one end.
Bars from 1000 mm to 2500 mm: 10 mm OD push-fit connector at each end.

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

Certification:
CE.

FRASER Anti-Static Techniques

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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 2 m/sec on a 500 mm long 1250 Air Bar is 0.8 Bar.

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

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

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

DIMENSIONS AND CONSTRUCTION

1250-S Bar: see dedicated Datasheet.

Fixing Studs: M4 x 25 mm.

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

Air Pipe: standard pipe is 12 mm aluminium diameter, with 1 mm diameter air holes every 15 mm. Other materials and hole arrangements are available, as agreed with factory.

