6000 IONTUBE IN-LINE IONISER

The 6000 Iontube In-line Ioniser is designed to be incorporated into pneumatic transport systems to neutralise the static electricity generated in this process.

The 6000 Iontube prevents blockages and problems due to static electricity in pipework, cyclones, air separators, hoppers and collection systems.

PERFORMANCE

- Static neutralisation is provided by ionising bars mounted in enclosures around the Iontube. The number of bars is determined by the diameter and length of the Iontube.
- Fraser offers a range of external power units to power the ionising bars.

ESSENTIAL QUALITIES

- Standard 6000 Iontubes use Jacob stainless steel 1000 mm long pipes which are available in a wide range of diameters and with compatibility to other pipework systems. See www.jacob-tubing.com.
- Iontubes can also be made with the customer's specified pipework. Metal or plastic.
- The ionising bars are individually wired to a connector box on the Iontube so that if a bar becomes damaged it is easy to replace.

CONNECTIVITY AND CONTROL

- As the Iontube may be positioned in an inaccessible place it is important that there is a signal showing the operator that it is functioning correctly. Fraser offers power units with remote monitoring options to achieve this.

APPLICATIONS

- Pneumatic and gravity transport systems handling trim, waste and similar material.



SPECIFICATION

Construction:
The Iontube consists of Fraser 1250 Static Eliminators mounted into housings welded around the circumference of a stainless steel tube. The welding is airtight. See overleaf for pipe sizes.

Cable:
2 m of HT Cable is standard, unless otherwise specified. This determines the distance between the Iontube and the Power Unit.

Power Unit:
Used with a Fraser HP Power Unit which converts the mains voltage to approx. 5.5 kV. It is current-limited with a maximum current output of 5 mA for safety.

Certification:
CE.

FRASER Anti-Static Techniques

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APPLICATIONS

Static electricity is generated by the interaction between the products, the air and the inner walls of the transport system. Generally plastics and very dry products are more susceptible to static generation. While plastic pipes will produce more static electricity than metal pipes, it is the nature of the product being transported which determines the severity of the problem.

The static generation is a continuous process in the transport system - so positioning of the 6000 Iontube is important. It should be positioned just before the problem area to prevent re-generation of the charge.

The 6000 Iontube is designed for internal use. Contact factory for additional options.

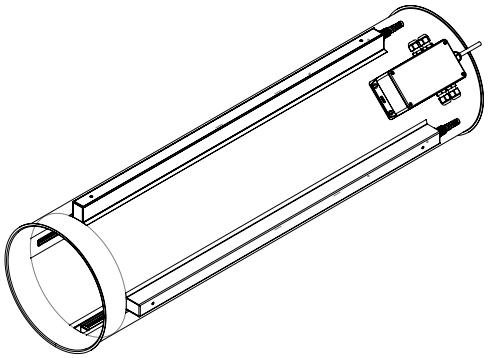
DIMENSIONS AND CONSTRUCTION

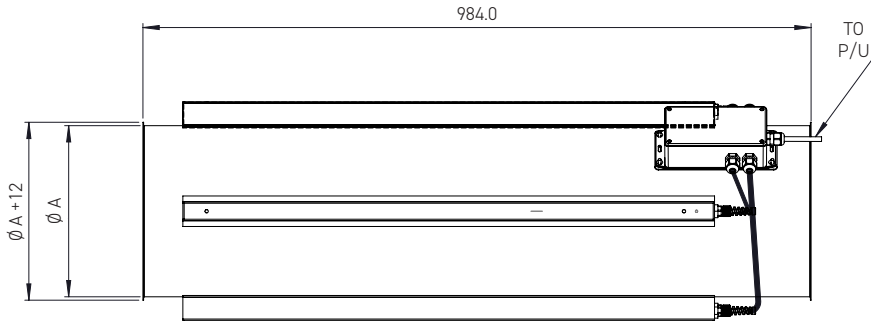
Fraser offers standard DIN pipe sizes with outside diameters of 50 mm, 80 mm and 100 mm, then in 50 mm increments to 350 mm. However, different sizes can be made or alternatively we can use pipes supplied or specified by the customer to ensure complete system compatibility.

Standard Sizes

Outside Diameter (A)	Nominal Length of Tube (B)	Number and Length of Static Eliminators
50 mm	984 mm	2 x 750 mm
80 mm	984 mm	2 x 750 mm
100 mm	984 mm	3 x 750 mm
150 mm	984 mm	3 x 750 mm
200 mm	984 mm	4 x 750 mm
250 mm	984 mm	4 x 750 mm
300 mm	984 mm	5 x 750 mm
350 mm	984 mm	6 x 750 mm

Other sizes and diameters are available - contact the factory for options.





There is a 6 mm flange at each end.