4300 IN-LINE AIR IONISER

The 4300 is an in-line compressed air ionising nozzle, for use where the ionisation of an existing air supply, in an ordinary compressed airline, is required.

This system can be used where compressed air is deployed to remove electrostatic contaminants or air separation systems are fitted to sheet feeding decks.

PERFORMANCE

- 5.5 - 6 kV of ionising power provided by 1265 Single Point Ioniser.

ESSENTIAL QUALITIES

- Ionises the air in flexible pipework.
- If positioned close to the discharge end, the recombination of ions will reduce and effectiveness increase.
- Used in lower pressure applications – the 4300 is not a high pressure fitting.

CONNECTIVITY AND CONTROL

- Wide choice of Fraser Power Units, including remote monitoring of operational status.

APPLICATIONS

- Easy to install. Standard air fitting is for 10 mm ID flexible airpipe. Alternatively, the ¼" BSP female thread could be used for the customer's air fittings and pipework.
- The air fittings and pipework must be plastic and as large as possible because ionised air does not have a long life in small pipes.
- Used typically on sheet feeders and air separation systems.



SPECIFICATION

Construction:
Stainless steel body. 1265 Ioniser has stainless steel body with PTFE insulation and nylon cable gland.

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

Safety:
5 mA maximum current from power unit. Ionisation system is shockless. Must be installed on discharge side of control valve, not closed within high pressure system.

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

Air Supply:
The air must be clean and dry. Moisture in the air will seriously interfere with the operation of the equipment and can cause irreparable damage.

Air Connection:
The air connector on the nozzles is ¼" BSP with connector for a 10 mm ID flexible pipe. The air flow from the In-Line Air Ioniser may be from either end.

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

Certification:
CE.

FRASER Anti-Static Techniques

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DIMENSIONS

