3024 STATIC ELIMINATOR

The ultimate static eliminator for machinery manufacturers: compact, with built-in electronics, 24 V DC supply and very powerful performance.

Static neutralisation to meet the requirements of high performance machinery. Available in two versions:

- **3024F** for distances from 25 – 150 mm.
- **3024L** for distances from 100 – 500 mm.

PERFORMANCE

- 11 kV of ionising power.
- 25 mm emitter pitch on 3024F for intense ionisation. 50 mm emitter pitch on 3024L for extended range.
- 3024F tested at speeds up to 1300 m/min.

ESSENTIAL QUALITIES

- Fully encapsulated electronics.
- Tungsten emitters guarantee an unlimited life.
- Shockless operation.
- No dead zone. Active ionisation length equals physical length.
- 24 V DC operation.

CONNECTIVITY AND CONTROL

- LED indication of operational status of bar.
- Duplicate remote signals for PLC or to power external lamps, relays.
- Remote on/off switching.

APPLICATIONS

- The 3024 is specified by hundreds of OEMs and used by thousands of manufacturers in countless industries worldwide.
- It is certified for use in cleanrooms to ISO Class 4.



SPECIFICATION

Construction:
FR-ABS industrial grade extrusion, epoxy resin, tungsten emitters.

Output Voltage:
Up to 11 kV supply integrated into bar.

Remote Monitor / Local Status Indication:
Signals available: 'Bar OK' and 'Fault'. Uses 24 V supply to send signal from the bar to the PLC or other destination. Bi-colour LED on endcap for local status indication.

Electrical Input:
24 V DC (21-28 V), maximum current required 0.5 A. M8 connector. The M8 x 4-core cable must be ordered separately.

Environmental:
0 - 55 °C, 70 % rH non-condensing max. IP66. Fully sealed.

Certification:
CE, CB and UL.

Options:
100 – 250 V AC-DC 24 V Power Supply (Part No: E3024-PSU).

FRASER Anti-Static Techniques

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TWO VERSIONS

3024F

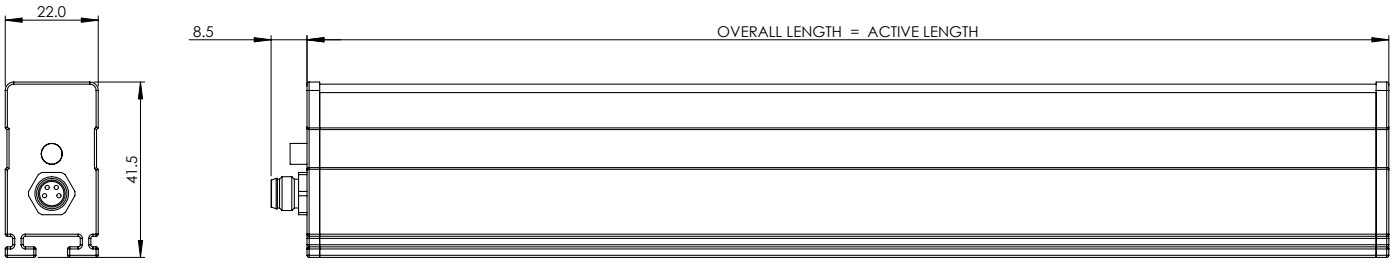
- Ideal for fast-moving materials.
- Minimum order length 250 mm, then in 50 mm steps to 5000 mm.
- Operating distance from 25 mm to 100 mm.

3024L

- Ideal for applications with changing geometry.
- Minimum order length 300 mm, then in 100 mm steps to 5000 mm.
- Operating distance 100 mm to 500 mm.

DIMENSIONS AND CONSTRUCTION

Weight: 1.1 kg/m.



Note: Overall length = order length + 6 mm (including endcaps).

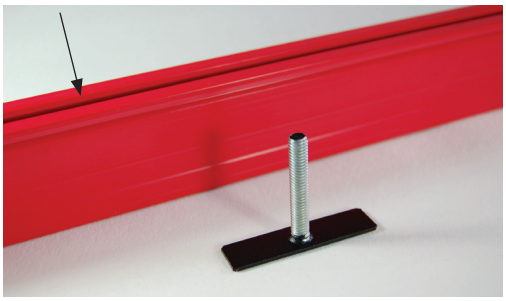
MOUNTING

Each 'T' fixing has one M6 x 40 mm stud and flange nut.

Two 'T' fixings are supplied for bars up to 1000 mm, plus 1 extra for every additional 500 mm.

Other stud lengths are available, contact the manufacturer for details.

The 'T' fixings slide into the slot in the bottom of the bar.



ACCESSORIES AND SPARES

Description	Part No.
3m cable with 180° connector	80892
5m cable with 180° connector	80930
7.5m cable with 180° connector	80931
10m cable with 180° connector	80932
Additional Mounting Set	30248
Universal AC-DC power supply*: 100 - 250 V AC, 24 V DC output fitted with 1.5m of cable	E3024-PSU

Description	Part No.
3m cable with 90° connector	80933
5m cable with 90° connector	80934
7.5m cable with 90° connector	80935
10m cable with 90° connector	80936
Fraser Ioniser Cleaning Kit	81220

Cables must be ordered separately in addition to the bar. They have standard M8 4-pin female connectors.

* Do not use ANY other standard power supplies with this product. Third party power supplies WILL cause damage and void warranty.