

ESD ANTI-STATIC

E8001 PRECISION POINT IONISER

The E8001 is designed to neutralise and clean electrostatically charged surfaces and small products using compressed, balanced ionised air.

Precision point static neutralisation using 24 V DC. Applications can include ESD zones in controlled environments within telecommunications, electronics, printed circuit board, semiconductor and medical device manufacturing industries.



- > Precision point ionisation with elevated level of control.
- > Exceeds the requirements of ANSI ESD STM 3.1.
- > Typical offset voltage < +/- 20 V.
- > Interchangeable nozzles for precision, shower and flexible reach ionisation.
- > 3 kV of ionisation power.
- > Cleanroom compatible to ISO Class 4.
- > Emitter made from tungsten for best long-term performance.
- > LED operational status indication on product for ease of use.
- > Remote monitoring of operational status and cleanliness through 24 V signals.
- > Standard M8 4-pin connector.
- > Protected against under-voltage, overload and reverse polarity wiring.

Specification

- Electrical Supply:** Input: 24 V DC (21 - 28 V), max current 0.1 A.
M8 x 4-pin male connector.
M8 x 4 core cable to be ordered separately.
100 - 250 V AC PSU also available.
- Air Supply:** 0 - 5 Bar max. 0.5 - 2.0 Bar optimum.
Quick release connector M5, 6 mm ID.
- Construction:** Dimensions 123 mm x 25 mm x 32 mm. 80 g.
PVC body, stainless steel base, tungsten emitter.
- System Monitoring:** LEDs on body: Green = all OK
Yellow and Green = attention/needs cleaning
Red = fault
Remote monitoring makes this information available with a 24 V signal from the ioniser to a PLC or other destination. This voltage is taken from the ioniser - no additional power source is required. Compatible with IEC 61131-2 'Type 3' PLC inputs. Signal protected against shorting and miswiring.
- High Voltage Output:** Up to 3 kV supply integrated into the ioniser. 65 - 70 kHz.
- Environmental:** 0 to 55 °C, Maximum Humidity 70 % non-condensing.
- Standards:** CE

Applications

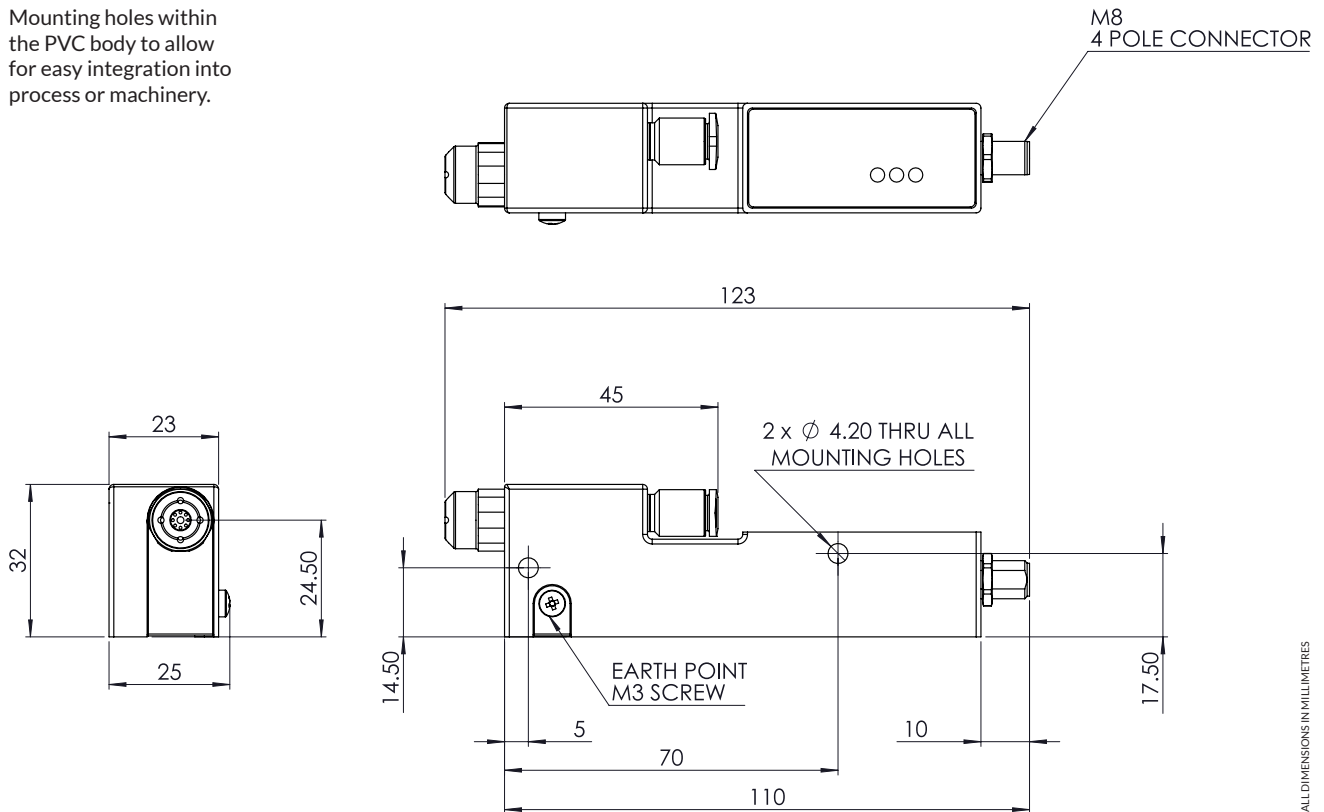
The E8001 Precision Point Ioniser has been designed for use in fixed applications on manufacturing lines, equipment and tool applications in the telecommunications, consumer electronics, semiconductor and medical device manufacturing industries.

No need for an additional power supply. The E8001 comes with electronics and 3 kV High Frequency AC fully integrated.

A selection of interchangeable nozzles is available that can extend the precision spot ionisation over a wide range of distances and into many hard to access areas. Please see Page 3.

Dimensions

Mounting holes within the PVC body to allow for easy integration into process or machinery.



Power Accessories and Spare Parts

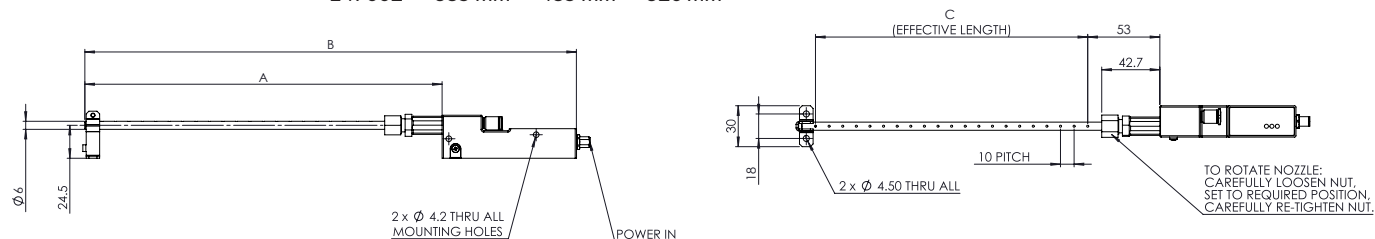
Description	Part No.	Description	Part No.
3 m cable with 180° connector	80892	3 m cable with 90° connector	80933
5 m cable with 180° connector	80930	5 m cable with 90° connector	80934
7.5 m cable with 180° connector	80931	7.5 m cable with 90° connector	80935
10 m cable with 180° connector	80932	10 m cable with 90° connector	80936
AC to 24 V DC power supply	E3024-PSU	Spare standard nozzle	470002
Spare emitter assembly	47012	Spare nozzle holder assembly set	47013

Cables must be ordered separately in addition to the ioniser.
The cables have standard M8 4-pin female connectors.

Nozzles Accessories

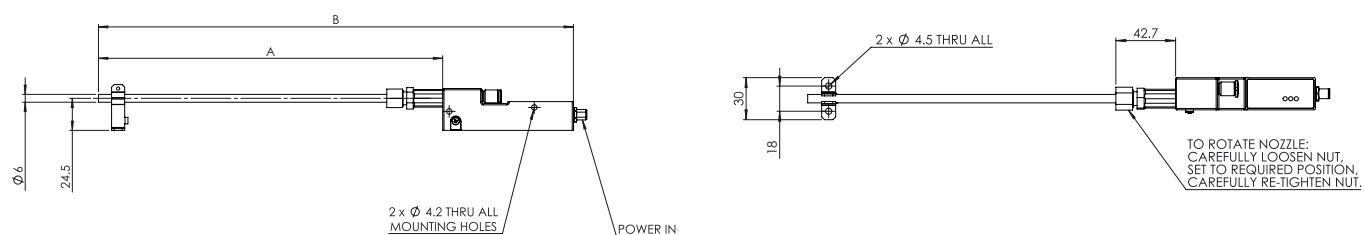
Ion Shower Nozzle

Part No.	A	B	C
E47001	266 mm	366 mm	200 mm
E47002	385 mm	485 mm	320 mm



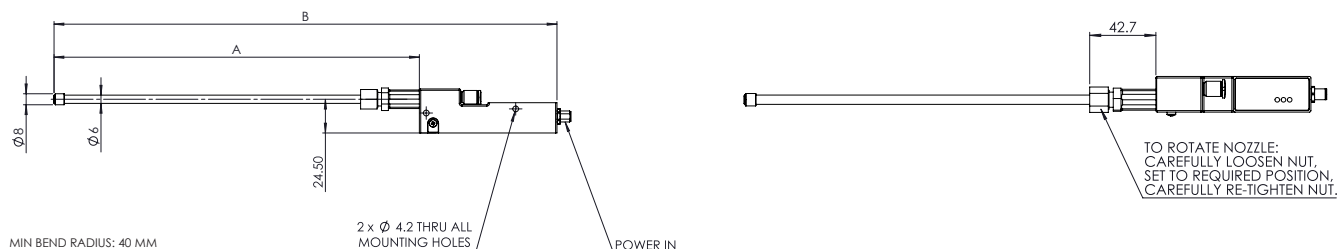
Fixed Precision Nozzle

Part No.	A	B
E47004	263 mm	363 mm
E47005	383 mm	483 mm

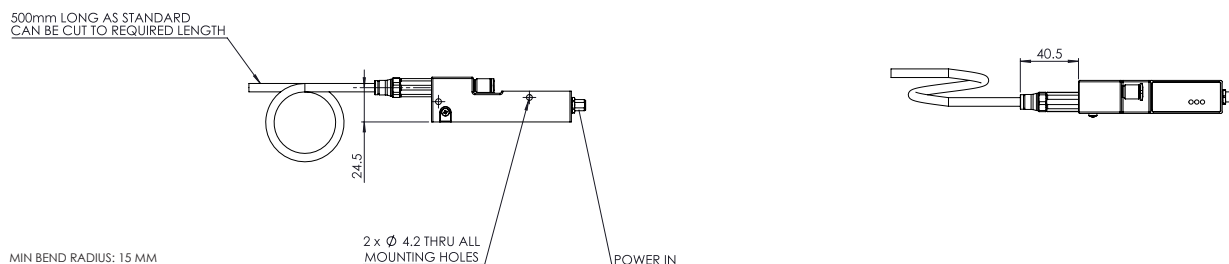


Flexible Shape Preserving Nozzle

Part No.	A	B
E47008	266 mm	366 mm
E47009	386 mm	486 mm
E47010	716 mm	816 mm



Conductive Flexible Tube Nozzle - Part No. E47007



Flexible Nozzle Extension - Part No. E47014

