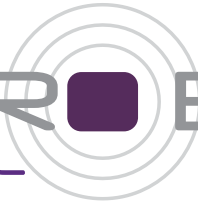




IONISER-PRO BLOW

STATIC NEUTRAL



Manual

IONISER-PRO BLOW

STATIC NEUTRAL

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Static Elimination Technology

Static electricity is an imbalance of electrical charges which can build up within a or on the surface of a material and in the atmosphere. The charge remains until it is able to move away by means of an electric current or electrical discharge.

Static electricity is named in contrast with current electricity, which flows through wires or other conductors and transmits energy.

A static electric charge is created whenever two surfaces contact and separate and at least one of the surfaces has a high resistance to electric current and is therefore an electrical insulator i.e. plastic, paper etc. The simple act of moving through air can create a static charge.

Static electricity is generally undesirable in industry as it usually attracts dust and other unwanted particles. It is also known to repel print, sprays and powder coatings, thus compromising their physical and aesthetic suitability.

A static electricity build up in dusty environments can result in ignition and explosion as sparks can be produced upon discharge.



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Introduction:

Models covered by this operating manual are:

- Ioniser-Pro Blow
- Ioniser-Pro Blow *F* fine particulate filter version

Ioniser-Pro Blow is a DC ionising blower unit designed as an easily mountable package. Ioniser-Pro Blow is supplied with 'Easy Mount' adjustable wall brackets. This enables the easy incorporation of the unit into packaging, printing, and clean room areas.

The Ioniser-Pro Blow & Ioniser-Pro Blow *F* can be mounted anywhere but it has been designed to match a standard door width to promote an even flood of ions and better protect your environment whilst the room is being accessed.

The power supply has been designed to be extremely durable and provide long trouble free service using a standard 3 pin plug.

The Ioniser-Pro Blow & Ioniser-Pro Blow *F* are two speed, twin fan units designed for the fast flooding of your work area with static eliminating ions.

The Ioniser-Pro Blow *F* has been designed with a special fine particulate filter capable of removing microscopic airborne dust and pollen particles to further improve your work areas whilst effectively managing static levels.



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Unpacking & Inspection:

Your Ioniser-pro Blow was carefully packed in a container designed to protect it from damage. We recommend careful examination of the packaging before fully unpacking.



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Safety

- Ioniser Pro Blow units are sold as sealed units and as such there are no user serviceable parts. Other than changing the fuse, users or installers should not attempt to remove covers, modify or repair in any way.
- Ioniser Pro Blow units should be disconnected from the power supply before installation or maintenance.
- A pre-installation visual inspection should be performed to ensure the main unit, power cable, plugs and mounting brackets are free from damage.
- Periodic visual inspection should be performed to ensure the main unit, power cable, plugs and mounting brackets remain free from damage. The mounting/adjustment knobs should also be checked periodically to ensure they remain tight.
- Ioniser Pro Blow products are designed to eliminate electrostatic build up only and should not be used for any other purpose.
- Improper use, modification or damage to the Ioniser Pro Blow product will invalidate any warranty and nullify EMC & CE approval.
- Ioniser Pro Blow products should only be connected to the input voltage as specified on the unit.



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Safety Continued

- Please note emitter spikes are very sharp. Care should be taken when handling the unit.
- Refrain from placing objects into and around fan areas as this may cause damage to the operation of the unit.
- Ensure the unit is securely mounted when placing above doors or areas where operatives may be working below.
- Fan / filter intake area must remain uncovered / free from obstruction to prevent unit from over heating and to prevent damage to unit.



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Features of your Ioniser-pro:

Plug and Play Design:

Your Ioniser-Pro product has been designed to be maintenance free and requires minimal set-up. Simply mount as per instructions, plug it in and switch on!

One button on

Your Ioniser-pro has only one button to operate the device. Its ease of use is as simple as On or Off.

Speed Control

Your Ioniser-Pro Blow has two speeds, normal (low) economical setting and a high speed (Turbo Boost) function for high volume static elimination or quick static charge neutralising..

Slots on mount

The unit is fitted with two mounting plates, each with three slots for effective mounting in the optimal location.

Twist and Tilt

Your Ioniser-pro Blow has two easy release knobs two allow swift angling and tightening of the unit to the desired direction of operation.



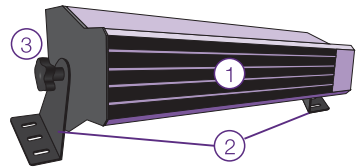
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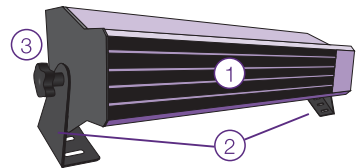
Mounting:

Your Ioniser-Pro Blow should only be mounted using the brackets supplied. The mounting area should be free of obstruction front and rear and should be mounted away from any loose or hanging items.



When mounting your unit please take care as the emitters at the front of the unit are very sharp.

If space is limited, the mounting brackets can be reversed to save space.



1. Emitters
2. Brackets
3. Obstruction Free Area
4. Minimum Clearance to rear



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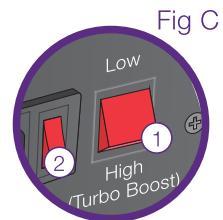
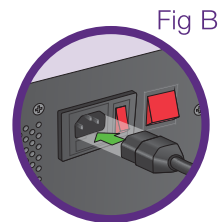
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Installation:

Your Ioniser-Pro Blow should only be mounted using the brackets supplied. The mounting area should be free of obstruction front and rear and should be mounted away from any loose or hanging items. Please visit www.ioniser-pro.co.uk for options.

1. Securely attach mounting brackets to wall to the dimensions shown on page 14 of your manual. *Please note: the Ioniser-Pro Blow & Ioniser-Pro Blow F are substantial units, accordingly please ensure your mounting point is suitable.*
2. Slide the unit between the mounting brackets and attach using the mounting knobs. *Please note: the Ioniser-Pro Blow & Ioniser-Pro Blow F are substantial units and you may require assistance to lift and hold in place whilst mounting.*
3. Please ensure your chosen mounting position is clear of obstruction and any loose/hanging items.
4. Plug the power cable into the rear of the power unit Fig B.
5. Select speed. Fig C. -1
6. Activate unit using power button Fig C. -2



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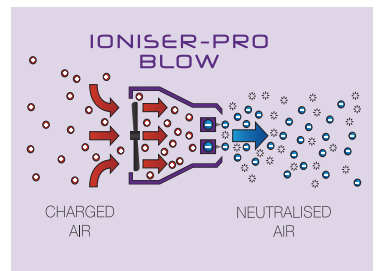
How it works:

The Ioniser-Pro Blow & Ioniser-Pro Blow *F* eliminate static by blowing charged air over specially designed DC static elimination bars using two high powered fans, neutralising the air as it passes through the unit.

The added benefit of the Ioniser-Pro Blow *F* is that it is equipped with a special fine particulate filter which removes potentially problematic dust particles from the air being neutralised.

The ioniser-Pro Blow is supplied as standard with a High (Turbo Boost) function for the fast flooding on static eliminating ions. Switched on, the turbo boost function will allow static elimination in large work areas.

It also allows quick elimination in small areas and helps manage elimination in high air flow work areas.



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Maintenance:

It is important to keep your ioniser-pro clean to ensure the performance is not inhibited. The emitter pins will become contaminated over time and with usage and therefore you will need to clean them. The image top right shows a typical example of the type of build up you will see with regular usage.

To ensure optimum performance you should clean the emitters every 3 months using the Ioniser-Pro cleaning kit.

Ioniser-Pro Blow F filters should be replaced every 6 months.

Before commencing cleaning of the device ensure it is turned off.

The emitter bar and pins should be cleaned using the Ioniser-pro cleaning kit available at www.ioniser-pro.co.uk.

Allow the surface to dry fully before turning it back on.

CAUTION: Exposed sharp points



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Trouble Shooting

The Ioniser-Pro Blow & Ioniser-Pro Blow F have been designed to be as maintenance free as possible. However, the emitters should be cleaned every 3 months using the Ioniser-Pro cleaning kit available from www.ioniser-pro.co.uk.

If your Ioniser-Pro ceases to work:

- Check the power cord is plugged in correctly at both ends.
- Unplug the unit from the mains & check the fuse in the power cord plug.
- Unplug the unit from the mains & check the fuse in the Ioniser unit.
- If your unit still does not work, please return it to the supplier for investigation.

Never attempt to remove covers or disconnect the ioniser bar from the power supply.



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Repairs & Warranty

Your Ioniser-Pro Blow is warranted by Ioniser-pro to the original purchaser against defects in the construction materials and workmanship for one year after the date of purchase.

Should any problems with your Ioniser-pro please contact Ioniser-pro on 01937 586987 where a customer services representative will assist you. If required they will issue you with a returns number enabling you to ship your unit directly to Ioniser-pro. Your Ioniser-pro should be packaged satisfactorily to prevent further issues or damage and sent prepaid.

All returns should be shipped along with an authorisation number. For prompt service response, please display the authorisation code clearly on the packaging.

Please include a description of the issues you are experiencing giving as many details as possible.

Please also include instructions on how to return your Ioniser-pro to you.

Your Ioniser-Pro Blow requires a constant 220v – 240v mains AC supply to function correctly. Should this not occur, unwarranted damage will result.



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Construction and Technical Details

Dimensions (L x W x D)	- 650mm x 180mm x 258mm
Length bar (600)	- 600mm
Weight (Unit)	- 10.5kg
Weight (Packaged)	- 12.5kg
Mounting	- Brackets with 1/4" slots for bolts
Emitters	- Titanium pins
Input Voltage	- 230V AC mains
Frequency	- 50Hz
Output Voltage	- 6000V
Output Current	- 0.1A
Electrical Connection	- Standard IEC Connector (supplied)
Fuse 'A'	- T1AH 250V
'B'	- 3 Amp
Max Operating Temperature	- +50°C
Ozone Emission	- < 0.1ppm



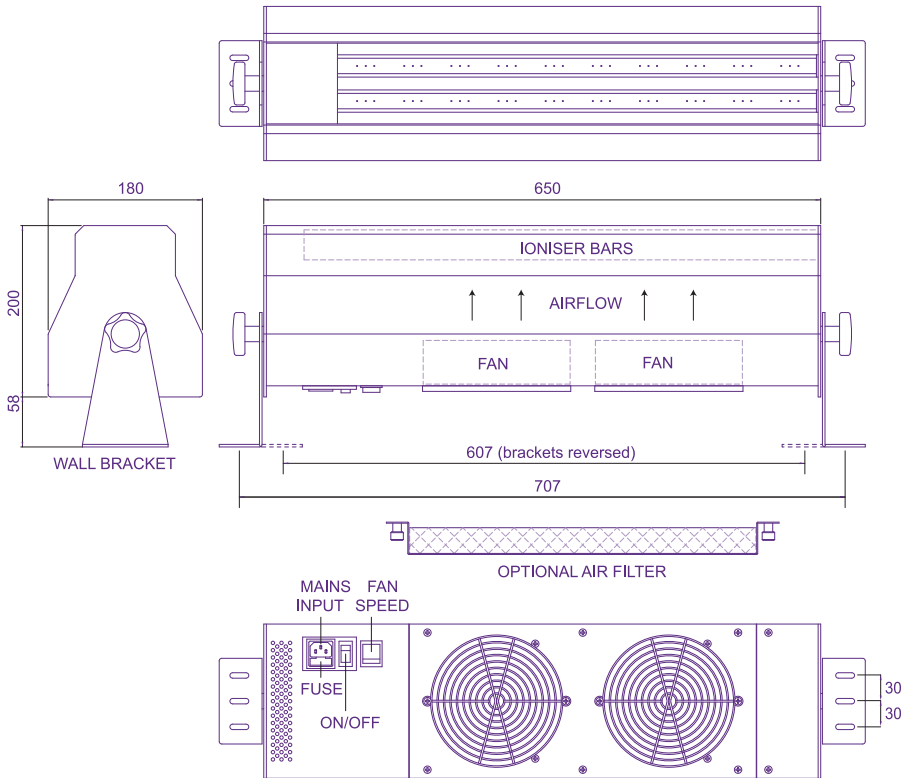
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Construction and Technical Details cont'd



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EN 61010-1: 2010 Safety testing

EN61326-1: 2013 Electromagnetic compatibility

EN55011: 2009 +A1: 2010 Conducted emissions, AC mains port

EN55011: 2009 +A1: 2010 Radiated emissions

EN61000-3-2: 2006 +A1:2009 + A2:2009 Harmonic current emissions

EN61000-3-3: 2008 Flicker

EN61000-4-2: 2009 ESD

EN61000-4-3: 2006 +A1:2008 + A2:2010 Radiated immunity

EN61000-4-4: 2004 +A1:2010 EFT/B

EN61000-4-5: 2006 Surge

EN61000-4-6: 2009 Conducted RF Immunity

EN61000-4-11: 2004 Voltage dips and Interruptions





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Ioniser-Pro is a trading name of GSM Valtech Industries Limited.
Made in UK