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Industrial Equipments

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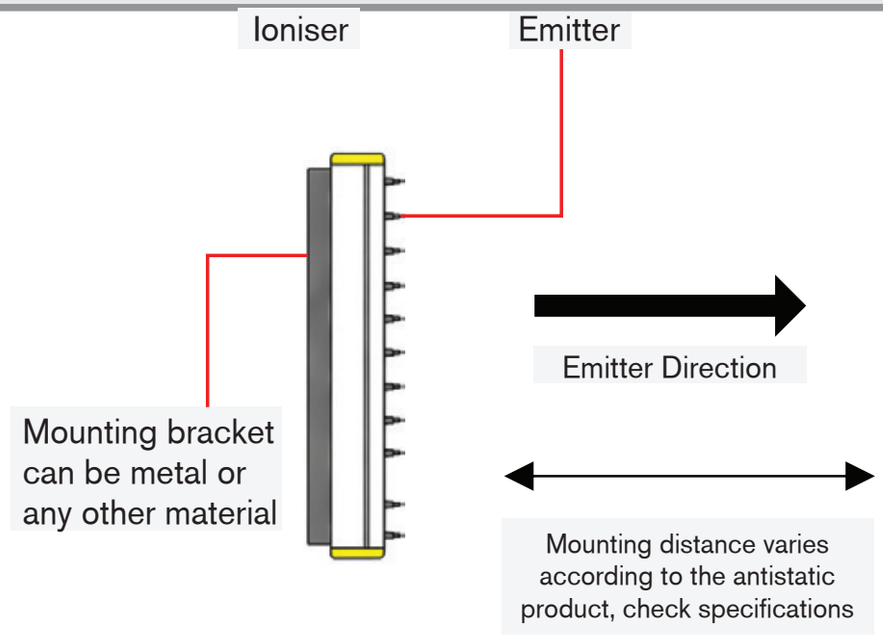
Instruction Manual

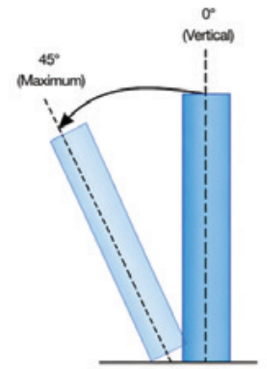
Product: SE-BLC Series
Compact Antistatic Blower

IMPORTANT

Attention: When assembling ionisers without air, always emitter direction should look towards the part. Tilt mounting up to 45 degrees would be ok but be informed that higher than this angle will effect ionisation in negative way.



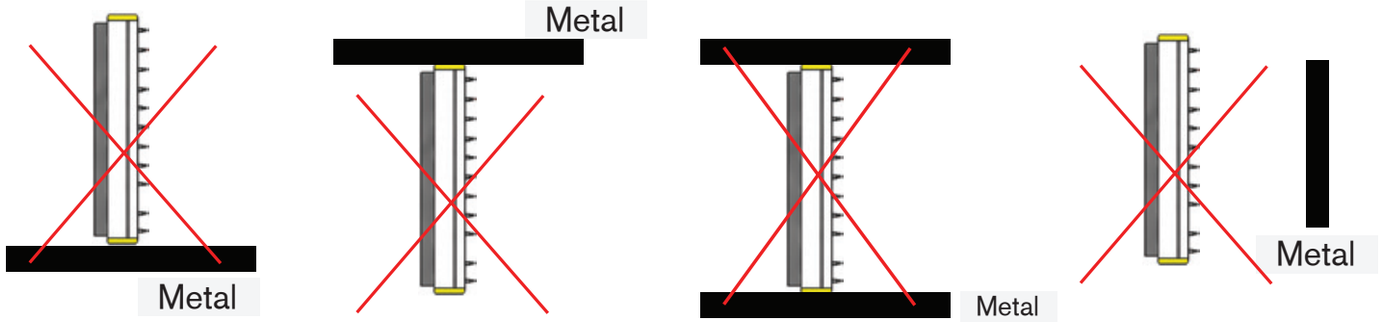
Emitter Direction



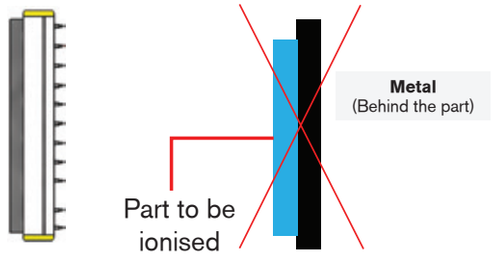
Part to be ionised

0^0 (Vertical) to 45^0 is acceptable. Higher than 45^0 will effect ionisation in negative way.

Attention: Do not cover the ioniser with metal or attach metal close to the emitter pins of the ionisers.



Attention: Never put metal behind part to be ionised. This will cause static eliminator unable to neutralize the part.



1. Intended Use

SE-BLC Series Compact Antistatic Blower is designed for use in industrial areas. Purpose of the product is neutralizing the charged plastic, glass, fabric or any parts which are not conductive. Airflow from the ionizer will carry negative and positive ions which will ionize the part and eliminate static electricity which causes quality and safety problems.

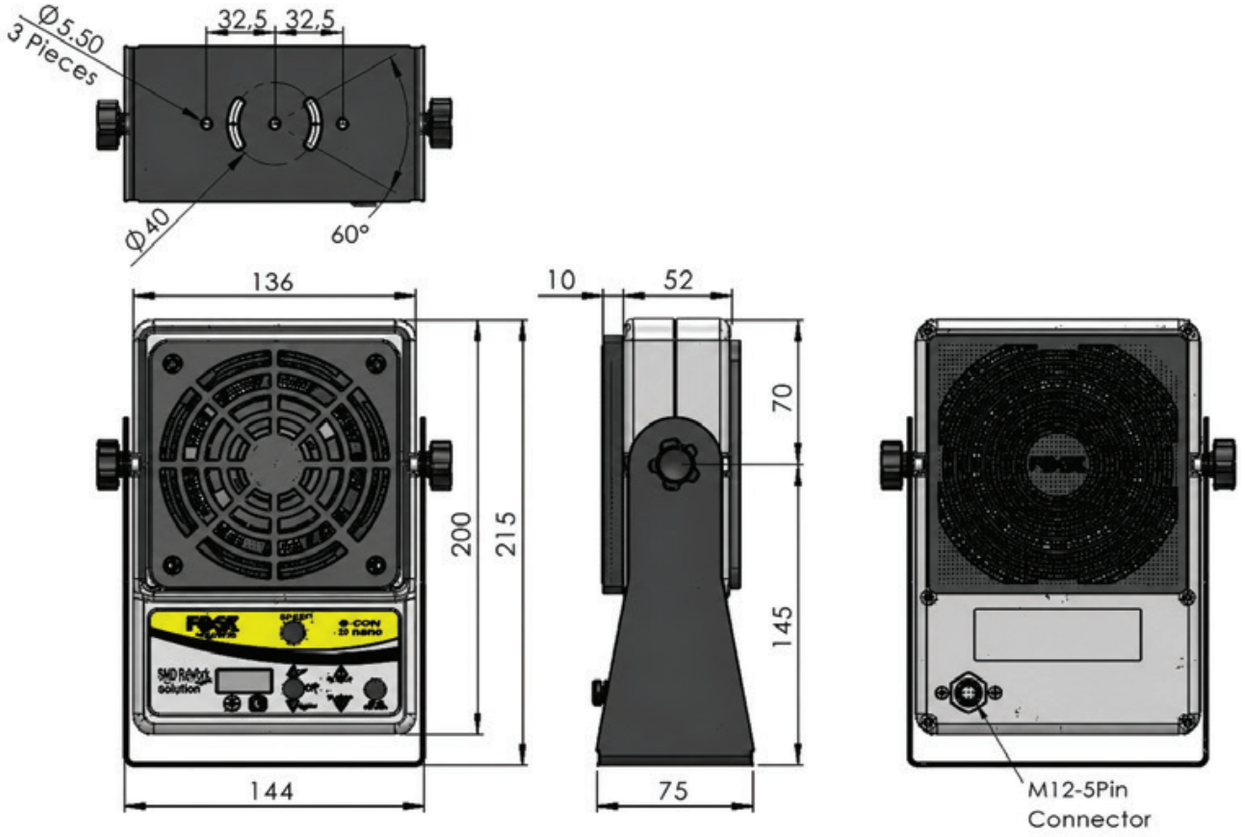
The system must be operated within the limits specified in technical data and used according to technical specifications as well as installation instructions. The system must be used in such a way that no person are in danger or machines and other material goods are damaged in the event of malfunction or total failure of the system. Take additional precautions for safety and damage prevention in case of safety related applications.

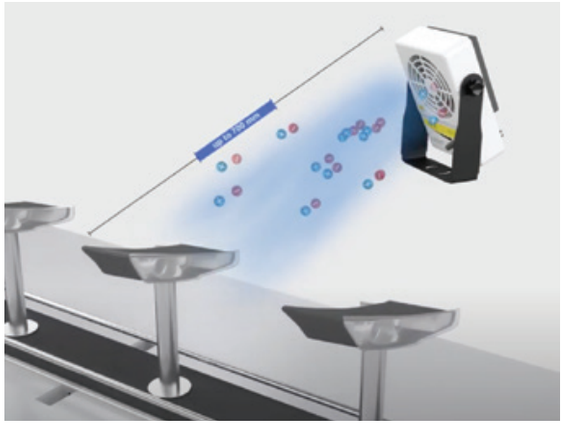
2. Technical Information

Technical Information	
Product	SE-BLC-F-75-C
Power Supply	24V DC supply via M12 connector, 0.4A, Max 9W
Ionisation Performance	1kV to 100V in less than 7secs distance 1000 mm
Fan Speed Adjustment	Via Pot on the panel
Environment	0-60˚C, %70rH max.
Noise Level (Measured at 1000mm)	<60 dBA
Safety	Shockless, pin current <250µA
Standards	2014/30/EU EMC Directive
	2014/35/EU Low Voltage Directive

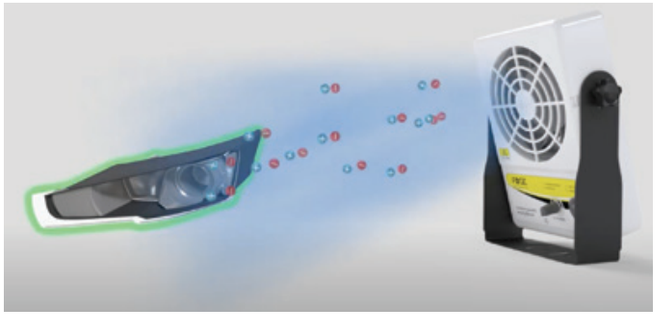
3. Dimensions / Installation

System operation assumes knowledge of the assembly instructions. The symbols used for safety is shown in section 9(Safety) of manual.





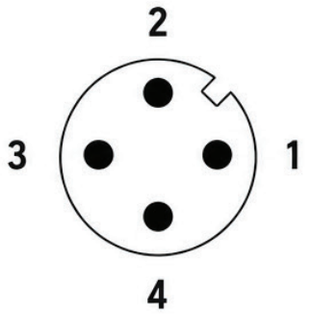
Air blow direction should be towards the charged parts within 700mm distance to neutralize the part highest effectiveness.



4.Electrical Connection

M12 FORM A

4 POLE CONNECTOR



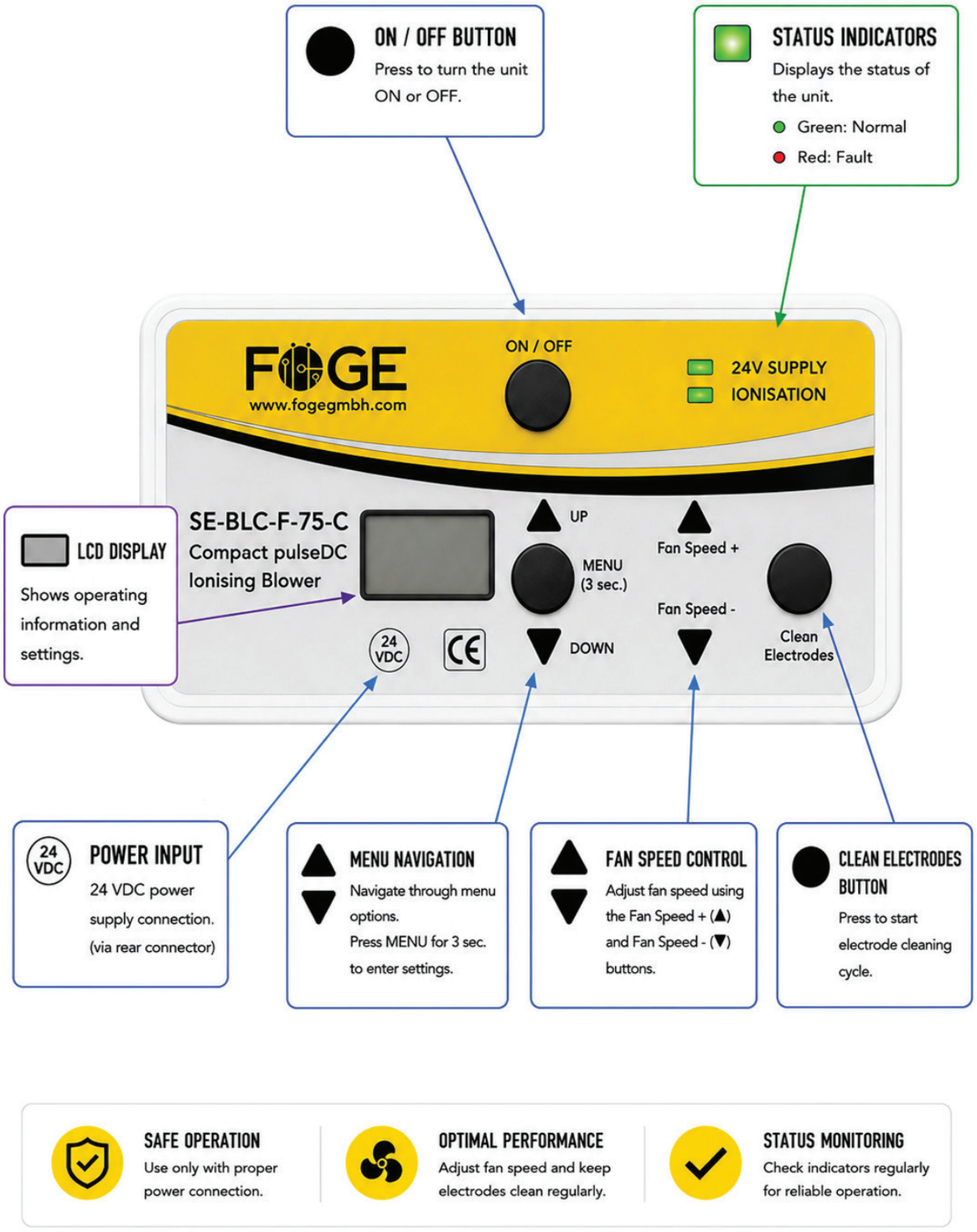
1 : 24V SUPPLY

2 : N.C.

3 : GND

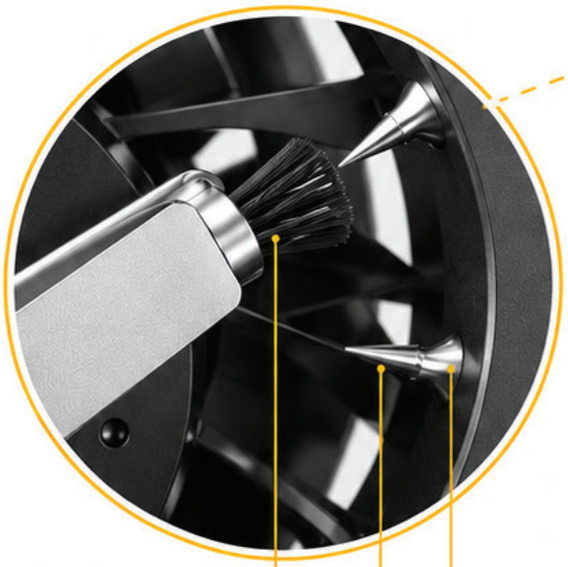
4 : N.C.

5.Display/Controls



6. Automatic Electrode Cleaning

The integrated motor-driven cleaning brush automatically removes dust and contamination from the tungsten emitter pins, helping maintain stable ionisation performance and reducing maintenance requirements.



ROTATING CLEANING BRUSH

TUNGSTEN EMITTER PIN

CLEANING AREA

REDUCED MAINTENANCE

Automatic cleaning reduces manual cleaning and downtime.

STABLE PERFORMANCE

Clean emitter pins ensure consistent ionisation and optimal efficiency.

LONGER SERVICE LIFE

Prevents dust build-up and extends the life of the ioniser.

7. Faults

In any of below cases or others do not open the product.

24V supply indicator

LED	
●	24VDC Power supply missing, check cable, connector or power supply.
●	Power supply OK.

Ionisation ON indicator

LED	
●	Ionisation OK
●	Checking device condition at start or ionization is OFF cause of fan or HV power unit.

Fan Fault:

LED	
●	Fan OK
●	Fan is not working, contact FÖGE.
✺	Fan is not working, make an eye check. If there is a part stuck inside fan, cut off the power to the device and remove the stuck part. Otherwise contact FÖGE.

Ionisation Fault

●	Ionisation OK
✺	Ionisation power unit is not working, make an eye check. If there is a part stuck inside fan, cut off the power to the device and remove the stuck part. Otherwise contact FÖGE.

8. Warnings

Connect the power supply and the display/output device according to the safety regulations for electrical equipment.
The supply voltage must not exceed the specified limits.
Avoid shocks and impacts to the sensor.
Protect the cable against damage.
Possible Results of Avoidance
Risk of injury by electric shock
Damage to or destruction of the sensor

9. Maintanence

Because of the nature of ionisation process particles in the air sticks to the emitter pins and carbonizes. This process have a negative effect on ionisation performance.
All AC and DC ionising bars should be checked regularly and cleaned. FÖGE Antistatic Bar Celaning Liquids and Brushes.

10. Safety

System operation assumes knowledge of the assembly instructions. The following symbols are used in these assembly instructions:

	Indicates a hazardous situation which, if not avoided, may result in minor or moderate injury.
	Indicates a situation that may result in property damage if not avoided.
	Indicates an electrical shock if not avoided or properly follow comments.

11.Liability for Material Defects

All components of the device have been checked and tested for functionality at the production facility. However, if defects occur despite our careful quality control, FÖGE or your dealer must be notified immediately.
The liability for material defects is 12 months from delivery.
Within this period, defective parts, except for wearing parts, will be repaired or replaced free of charge, if the device is returned to FÖGE with shipping costs prepaid. Any damage that is caused by improper handling, the use of force or by repairs or modifications by third parties is not covered by the liability for material defects. Repairs are carried out exclusively by FÖGE.
Further claims can not be made. Claims arising from the purchase contract remain unaffected. In particular, FÖGE shall not be liable for any consequential, special, indirect or incidental damage. In the interest of further development, FÖGE reserves the right to make design changes without notification.

12. Decommissioning, Disposal

Remove the power supply and output cable on the sensor.
Incorrect disposal may cause harm to the environment.
Dispose of the device, its components and accessories, as well as the packaging materials in compliance with the applicable country-specific waste treatment and disposal regulations of the region of use.