



# FöGE

Industrial Equipments

STATIC ELIMINATORS  
IONISED AIR BLOWERS  
ANTISTATIC AIR GUNS  
ANTISTATIC DUST REMOVAL

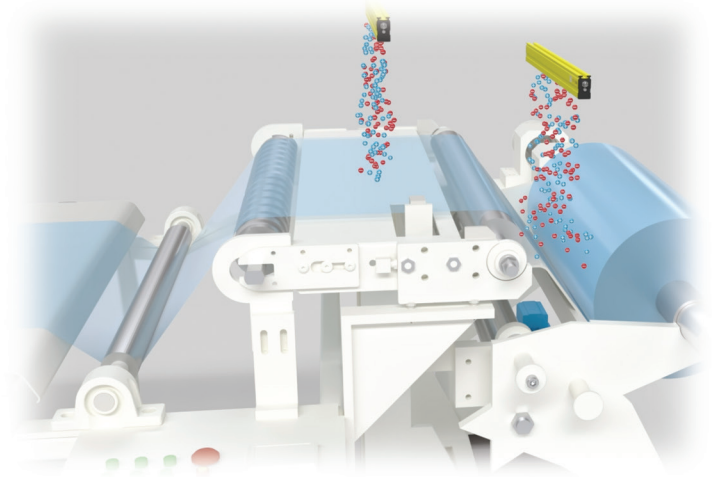
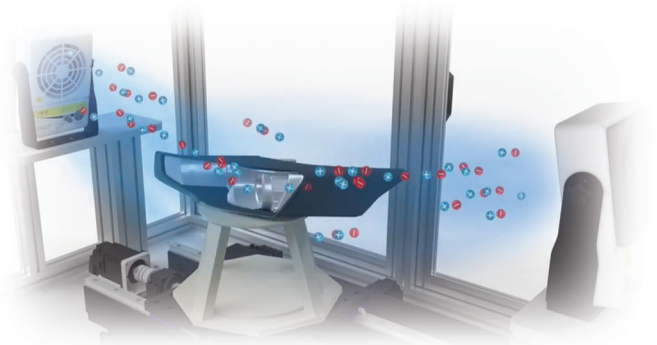
**PRODUCT CATALOGUE**

[www.fogegmbh.com](http://www.fogegmbh.com)



## Static Electricity Problems in Production

- Dust cannot be fully removed only with air because of static charge
- On winding and unwinding applications materials stick and cause damage to material stop the machine
- The static electric charge may damage electronic circuits and devices
- High charges maybe dangerous for operators, electrical shock may damage health
- Static charge effect printing quality
- Electrostatics discharge may cause fire depending on the material and ink or solvent used on the machine
- Materials with static charge may cause reject from customers



## Applications

- |                                      |   |   |
|--------------------------------------|---|---|
| Packaging Industry                   | : | Packaging is the most popular industry for static eliminators because of the materials used. Film production, cutting, winding and unwinding, lamination and label production.                                  |
| Plastics Industry                    | : | Injection press machines, bottles, plastic parts, thermoform machines, sheet material production, extrusion machines, automotive spare part painting, medial parts.   |
| Printing and Press Industry machines | : | Digital printing machines, Flexo printing machines, rotogravure machines, screen printing, offset printing  |
| Paper Industry                       | : | Cardboard production, printing papers, tissue production, towel production  |
| Wood Industry                        | : | PVC lamination on wood, dust removal, side tape production  |
| Food Industry                        | : | Chocolate moulds, food packaging machines, shrink packaging, cleaning plastic caps, bottle ionization   |
| Pharmaceuticals                      | : | Blister packaging, clean room applications, pharmaceutical packaging  |
| Medical Industry                     | : | Syringe production, blood bags, medical plastic parts, hoses  |
| Automotive Industry                  | : | Car body dust removal, plastic part painting, headlight ionization and dust removal, assembling lines, car indicator production, electronics production, airbag assembling, tire production, automotive textile |
| Electronics                          | : | Static discharge on electronic circuits, PCB assembly machines, LCD panel production  |
| Textile Industry                     | : | Ram machines, coating machines, printing on textile   |
| Glass Industry                       | : | Cleaning glass before printing, PVB cleaning (used for automotive glass lamination)   |
| Optics                               | : | Cleaning lens, optical parts ionization, fiberoptic cable production  |
| General Applications                 | : | Conveyors, disposable diaper parts unwinding waste handling   |

## SE-SFM-030 Static Electric Fieldmeter

The SE-SFM-030 Static Electric Fieldmeter has been developed to enable industrial engineers to investigate static electricity problems.

Its accuracy, stability and ease of use make it the leading instrument in its class.

### PERFORMANCE

- The SE-SFM-030 measures static electricity on the surface of a material or body at a distance of 100 mm.
- The meter can show where and how the static is generated, its magnitude and its polarity.
- It can measure static electricity levels up to 200,000 V.

### ESSENTIAL QUALITIES

- Two ranges which are selected automatically:
  - 0 - 20 kV with a resolution of 10 V.
  - 20 - 200 kV with a resolution of 100 V.
- Accuracy at calibration: +/- 5 %.
- There is a 'hold' facility to freeze the reading on the display.
- Comes complete with carrying case, battery and earth cord.

### APPLICATIONS

- Static electricity is a difficult area to investigate without a method of measurement.
- The SE-SFM-030 is an important quality and safety tool. It enables the engineer to investigate static problems, monitor the effectiveness of solutions and set standards for acceptable levels – whether in the process or on the product.



### SPECIFICATION

**Construction:**  
Anodised aluminium case with recessed stainless steel sensing plate for maximum integrity and accuracy.

**Range / Resolution / Accuracy:**  
0 V - 20 kV / 10 V increments and 20 kV - 200 kV / 100 V increments.  
Automatic range selection. Measurement at 100 mm. Accuracy at calibration is better than +/- 5 %.

**Drift:**  
<0.1% in 10 seconds.

**Calibration:**  
On a 150 mm x 150 mm charge plate. Can be calibrated on other charge plate sizes to meet country standards e.g 450 mm x 450 mm for China.

**Operation:**  
Click button to zero and make readings. Click button again to 'hold' the reading. Click again to resume readings. Automatic switch-o after 60 seconds. Low volt indicator shows condition of battery.

**Equipment:**  
Supplied with carrying case, 9 V PPS battery, earth lead and certificate of calibration.

**Environmental:**  
70 % rH non-condensing max.

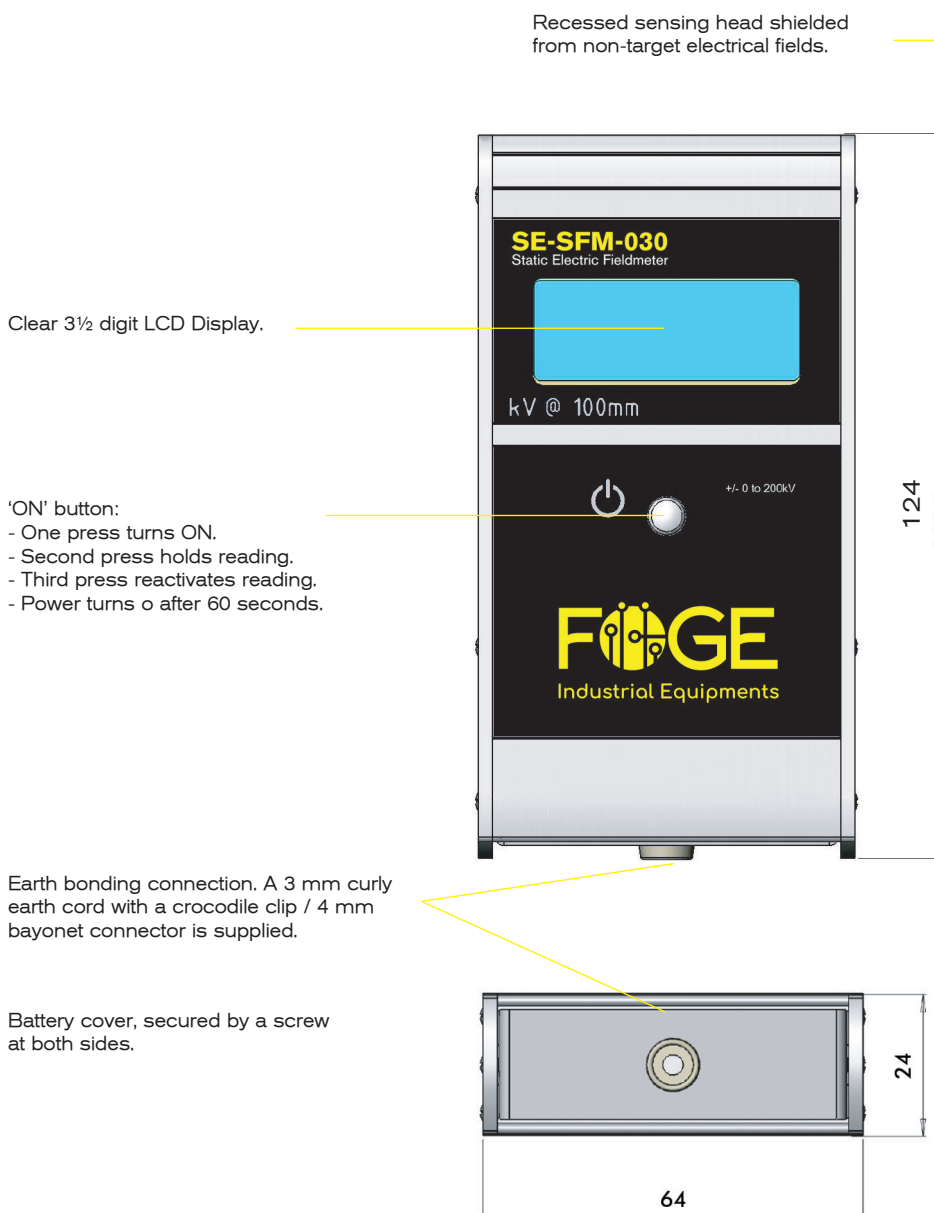
**Certification:**  
CE. EN-500081-1 (EMC) and BS7506-2 (Construction).

## HOW IT WORKS

Static electricity is a potential problem in many industrial areas. It slows production, reduces product quality, attracts contaminants and gives shocks to operators. The SE-SFM-030 enables the engineer to investigate these static electricity problems scientifically. Static is a coulombic charge - forming current when it moves, but difficult to measure when it is not moving. The SE-SFM-030 measures the surface voltage using  $Q=CV$ : the 100 mm reading distance is the constant capacitance which allows the voltage to vary directly with the charge.

### DIMENSIONS AND CONSTRUCTION

Dimensions: 124 mm x 24 mm x 64 mm  
Weight: 175 g



## PulsedDC Antistatic Bar (11kV) for Long Range Ionisation with 24VDC Supply

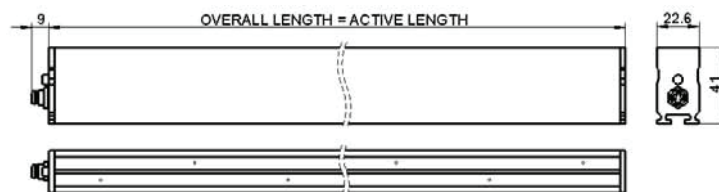
- 24VDC supply, no high voltage transformer needed
- Excellence ionisation performance thanks to pulsedDC design
- High power for long range applications – up to 600mm
- Shockless design
- Tungsten pins for long lifetime
- Standard M8 4 pin connection
- LED for status display



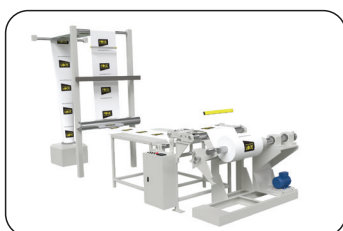
Compact design, ideal for most ionisation applications

Technical Information		
Product	SE-DCF-110-XXXX	SE-DCL-110-XXXX
Power	24VDC1A Power Supply	
Effective working distance (mm)	25-100	100-600
Output	11kV Shockless	
Length for ordering(mm)	300 - 4500	
Power Supply	SE-PSU-24-C-M8	
Power Connector	M8 4 pin (device side male)	
Environment	0 - 55 °C, 70 % rH non-condensing max. IP66. Fully sealed.( with suitable cable)	
Safety	Shockless, pin current <250µA	
Standards	2014/30/EU EMC Directive	
	2014/35/EU Low Voltage Directive	

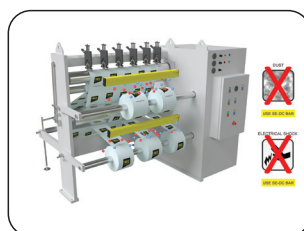
### Drawing / Dimensions



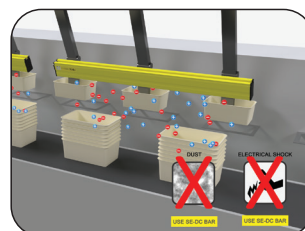
### Applications



Blown Film Extrusion Machine



Film Slitting Machine



In-Mould Labelling



Wicket Bag Making Machine

# PulsedDC Antistatic Bar with Compressed Air (11kV) for Long Range Ionisation and 3D Part Ionisation with 24VDC Supply

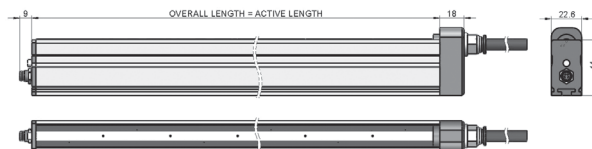
- 24 VDC supply, no high voltage transformer needed.
- Excellence ionisation performance thanks to pulsedDC design
- High power for long range applications - up to 1000 mm
- Shockless design
- Tungsten pins for long lifetime
- Standard M8 4 Pin connection
- LED for status display compact design, ideal for most ionisation applications
- Compact design, ideal for most ionisation applications



## Technical Information

Product	SE-DCA-110-XXXX-S	SE-DCA-110-XXXX-L
Air Connection	Ø8mm Straight Fitting	Ø8mm L Type Fitting
Air pressure - dry filtered air	2 bar (7 bar max.)	
Electrical Input	24 V DC (21-28 V), maximum current required 0.5 A.	
Effective working distance (mm)	25 - 1000	
Output	11kV Shockless	
Length for ordering (mm)	Available Lengths: minimum order length 300 mm, then in 100 mm steps to 2000 mm	
Power supply	SE-PSU-24-C-M8	
Power connector	M8 4 pin (device side male)	
Environment	0 - 55 °C, 70 % rH non-condensing max. IP66. Fully sealed.( with suitable cable)	
Safety	Shockless, pin current < 250µA	
Standards	2014/30/EU EMC Directive 2014/35/EU Low Voltage Directive	

## Drawing / Dimensions



## Accessories

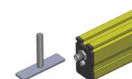
FG-AC-0005	180° Adjustable Mounting Bracket	
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## Mounting

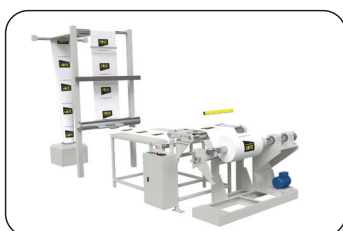
"Each 'T' fixing has one M6 x 40 mm stud and flange nut.

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

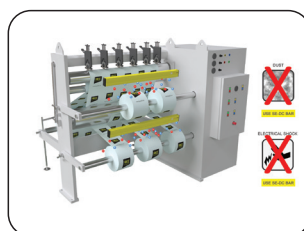
The 'T' fixings slide into the slot in the bottom of the bar.



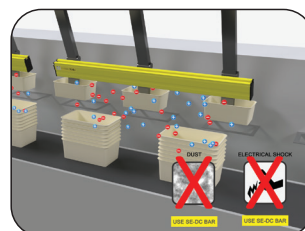
## Applications



blown film extrusion machine



film slitting machine



in-mould labeling



wicket bag making machine

## High Speed AC Antistatic Bar for High Speed Ionisation

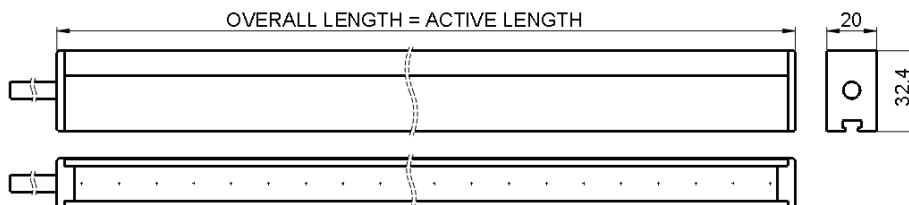
- Compact economical design OEM bar
- Up to 500m/min speeds ionisation
- Ionisation range up to 100mm
- Stainless steel pins for long lifetime
- Screened HFFR protected cable
- Shockless design
- Washable design
- Up to 4 ioniser bar connection to 1 power unit



### Technical Information

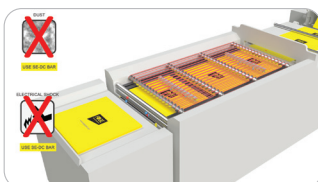
Product	SE-ACB-55-XXXX
Power Unit	SE-PAC-55-2-C, SE-PAC-55-4-C
Effective working distance (mm)	25-100
Output	5.5kV shockless
Length for ordering(mm)	100 - 4500
Cable	C2: 2mt HFFR protected cable with HV connector
Environment	60 °C maximum temperature. 70 % rH non-condensing max. IP66. Fully sealed
Safety	Shockless, pin current <50µA
Standards	2014/30/EU EMC Directive 2014/35/EU Low Voltage Directive

### Drawing / Dimensions

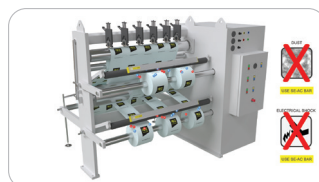


SE-CAB-AC-1: Non standard option 1mt cable can be ordered up to 12mt.

### Applications



Side Seal Bag Making Machine  
Ver.24.04.001



Film Slitting Machine



Textile Machines



Vertical Filling Machine

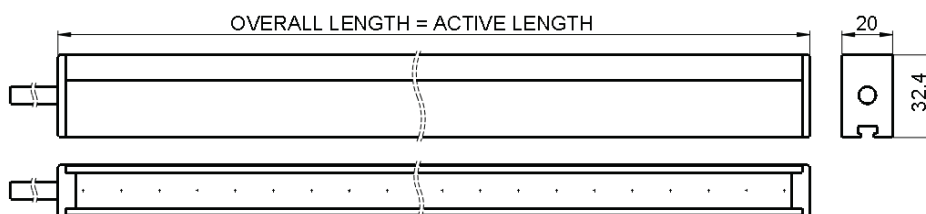
## High Power AC Antistatic Bar (8kV) for Longer Range Ionisation

- Up to 700m/min speeds ionisation
- Ionisation range up to 250mm
- Stainless steel pins for long lifetime
- Screened HFFR protected cable
- Shockless design
- Washable design
- Up to 4 ioniser bar connection to 1 power unit



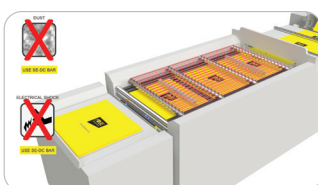
Technical Information	
Product	SE-ACB-80-XXXX
Power Unit	SE-PAC-80-2-C, SE-PAC-80-4-C
Effective working distance (mm)	25-250
Output	8kV shockless
Length for ordering(mm)	100 - 4500
Cable	C2: 2mt HFFR protected cable with HV connector
Environment	60 °C maximum temperature. 70 % rH non-condensing max. IP66. Fully sealed
Safety	Shockless, pin current <100µA
Standards	2014/30/EU EMC Directive
	2014/35/EU Low Voltage Directive

### Drawing / Dimensions

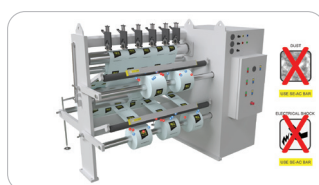


SE-CAB-AC-1: Non standard option 1mt cable can be ordered up to 15 mt.

### Applications



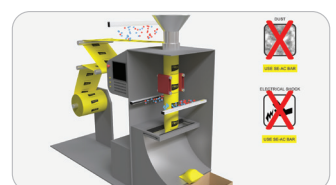
Side Seal Bag Making Machine



Film Slitting Machine



Textile Machines



Vertical Filling Machine



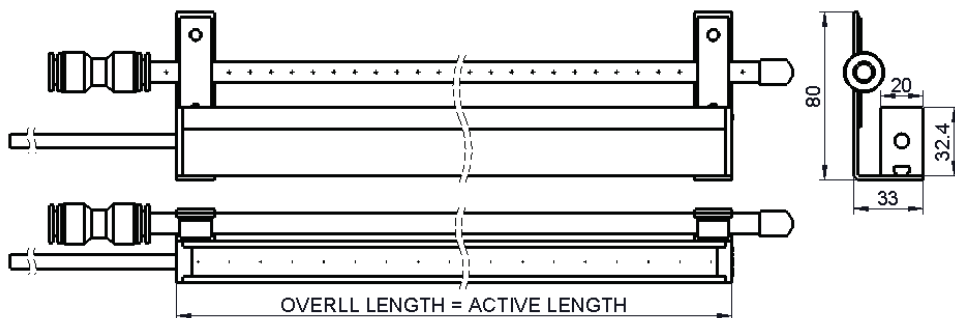
## Long Range AC Antistatic Bar with Air for Long Range and 3D Part Ionisation

- Up to 500m/min speeds ionisation
- Ionisation range up to 400mm
- Stainless steel pins for long lifetime
- Screened HFFR protected cable
- Shockless design
- Washable design
- Up to 4 ioniser bar connection to 1 power unit



Technical Information		
Product	SE-ACA-55-XXXX	SE-ACA-80-XXXX
Air Connection	10mm hose	10mm hose
Air pressure - dry filtered air	2 bar(3,5 bar max)	2 bar(3,5 bar max)
Air Consumption (liter/min)	on request	on request
Power Unit	SE-PAC-55-2-C, SE-PAC-55-4-C	SE-PAC-80-2-C, SE-PAC-80-4-C
Output	5,5 kV	8 kV
Cable	C2: 2mt HFFR protected cable with HV connector	
Environment	60 °C maximum temperature. 70 % rH non-condensing max. IP66. Fully sealed	
Safety	Shockless, pin current <250µA, transformer current max 5 mA (with fuse)	
Standards	2014/30/EU EMC Directive 2014/35/EU Low Voltage Directive	2014/30/EU EMC Directive 2014/35/EU Low Voltage Directive

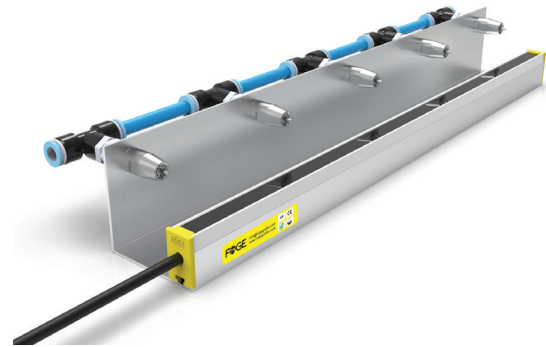
### Drawing / Dimensions



SE-CAB-AC-1: For all non-standard cable lengths: 1 metre extra cable  
(Can be ordered up to 12m total length for power units with 5.5 kV, up to 15 m total length with 8 kV).

## Nozzle AC Antistatic Bar for Dust Removal and Ionisation

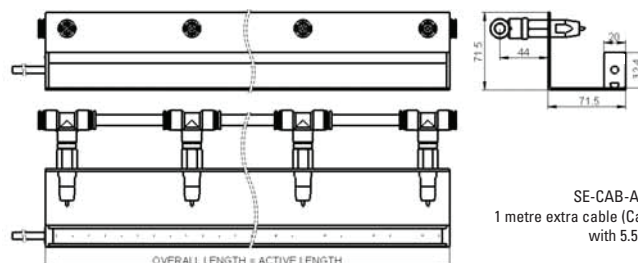
- Dust removal, cleaning
- Up to 500m/min speeds ionisation
- Ionisation range up to 600mm
- Stainless steel pins for long lifetime
- Screened HFFR protected cable
- Shockless design
- Washable design
- Up to 4 ioniser bar connection to 1 power unit



### Technical Information

Product	SE-ACN-55-XXXX	SE-ACN-80-XXXX
Air Connection	10mm hose	10mm hose
Air pressure - dry filtered air	5 bar (8 bar max)	5 bar (8 bar max)
Air Consumption (liter/min)	on request	
Air flow speed(m/s)	10	10
Power Unit	SE-PAC-55-2-C, SE-PAC-55-4-C	SE-PAC-80-2-C, SE-PAC-80-4-C
Output	5,5 kV	8 kV
Cable	C2: 2mt HFFR protected cable with HV connector	
Environment	60 °C maximum temperature. 70 % rH non-condensing max. IP66. Fully sealed.	
Noise level	on request	on request
Safety	Shockless, pin current <250µA, transformer current max 5 mA (with fuse)	
Standards	2014/30/EU EMC Directive	2014/30/EU EMC Directive
	2014/35/EU Low Voltage Directive	2014/35/EU Low Voltage Directive

### Drawing / Dimensions



SE-CAB-AC-1: For all non-standard cable lengths:  
1 metre extra cable (Can be ordered up to 12m total length for power units with 5.5 kV, up to 15 m total length with 8 kV).

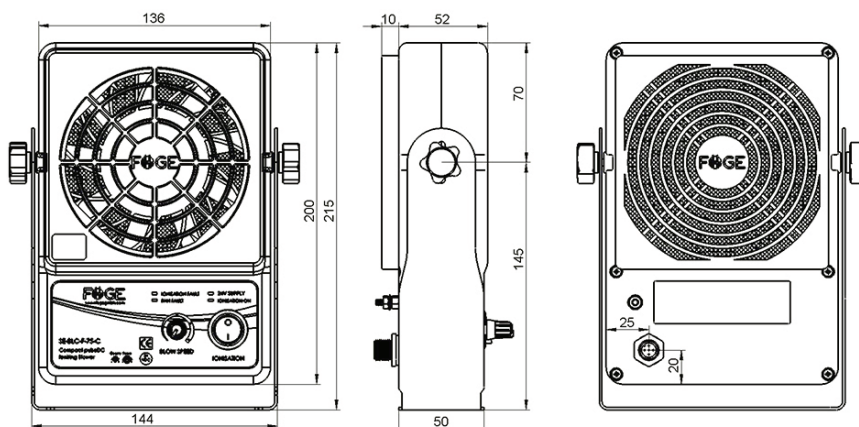
## 24VDC Supply pulsedDC Ionising Air Blower for Ionisation of 3D Parts, Electronics, Operator Work Areas

- pulsedDC Ionisation
- Adjustable double ball bearing long lifetime lightweight fans
- Fan, ionisation fault LEDs
- Flexible mounting thanks to compact design

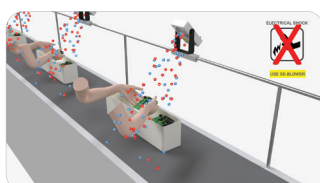


Technical Information	
Product	SE-BLC-F-75-C
Power Supply	24V DC supply via M12 connector, 0.4A, Max 9W
Ionisation Performance	1kV to 100V in less than 7secs distance 1000mm
Fan Speed Adjustment	Via Pot on the panel
Environment	0-60°C, %70rH max.
Noise level (Measured at 1000mm)	<60 dBA
Safety	Shockless,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

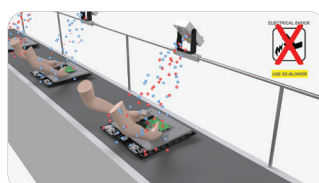
### Drawing / Dimensions



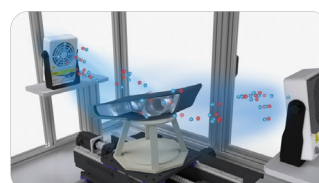
### Applications



Electronic Card Assembly Air C.



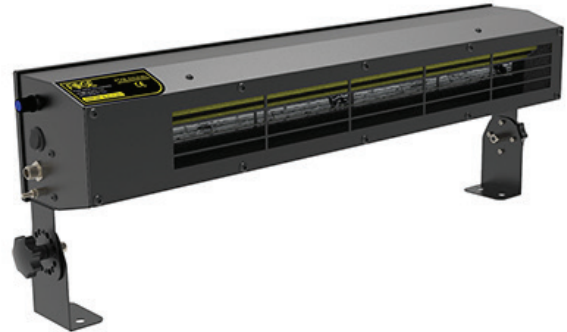
Electronic Card Assembly TV



Y-L-FÖGE Compact Blower

## Laminar Air Blower Ioniser

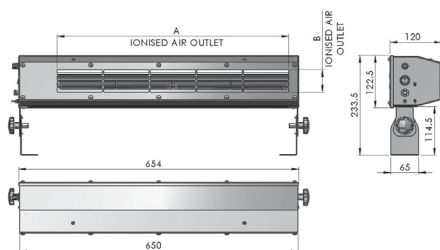
- Air adjustment for different application with various working distances.
- Integrated high-power, high-speed DC ioniser
- Silent operation, slim design (38dB)
- Ionisation range up to 1000 mm
- Tungsten pins for extreme high lifetime
- Shockless design
- LED Fault/Warning/Power indicators
- Replaceable ioniser assembly
- Easy and flexible installation with different angles makes suitable for different ionising tasks
- Replaceable foam filter, 10 ppi
- Adjustable 2-way mounting bracket



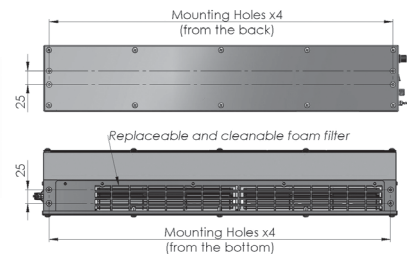
### Technical Information

Product	SE-BLL-F-530-C	SE-BLL-F-700-C	SE-BLL-F-1055-C	SE-BLL-F-1420-C	SE-BLL-F-2130-C
Power Supply	SE-PSU-24-C-M12				
Ionisation Performance	1kV to 100V in less than 7secs distance 1000mm				
Fan Speed Adjustment	Via Pot on the panel				
Air flow speed (m/s) (Measured at 1000)	1,6m/s	2,1m/s	3,1m/s	2,1m/s	3,1m/s
Environment	0 - 60 °C, %70 rH max.				
Noise Level (Measured at 1000)	38dB	39dB	40dB	40dB	40dB
Safety	Shockless, pin current <250µA				
Standart	2014/30/EU EMC Directive				
	2014/35/EU Low Voltage Directive				
Power Consumption	18W	21W	19W	31W	39W
Product Body Weight	On request				

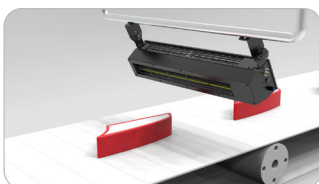
### Drawing / Dimensions



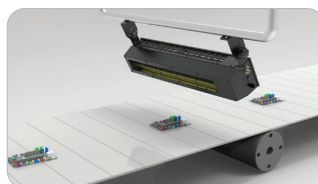
Ionised Air Outlet	A(mm)	B(mm)
SE-BLL-F-530-C	541	53
SE-BLL-F-700-C	711	53
SE-BLL-F-1055-C	1066	53
SE-BLL-F-1420-C	1431	53
SE-BLL-F-2130-C	2141	53



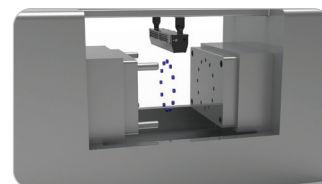
### Applications



Headlamp



Electronic Card



Injection Molding

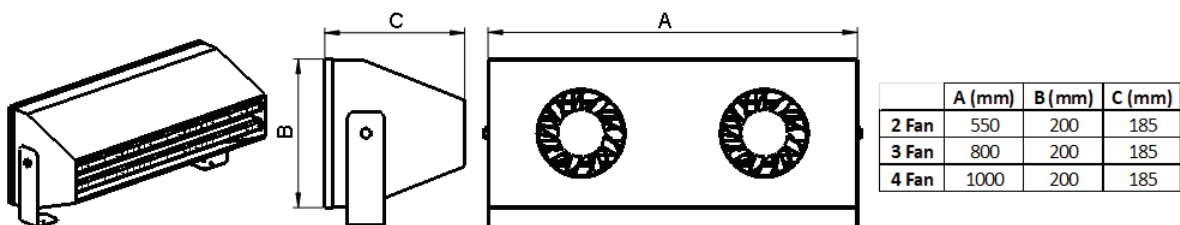
## Air Blower Static Eliminator AC Type with Air Blowing Fans for Long Range and 3D Part Ionisation

- High performance balanced
- Air adjustment for different applications
- Excellent performance on 3D object with high air volume
- Stainless Steel ionisation pins for long lifetime shockless design



Technical Information	
Product	SE-BLA-F-XXXX
Order Length (mm)	550-800-1000
Power Supply	220VAC 50hZ
Ionisation Performance	1kV to 100V in less than 7secs distance 1000mm
Fan Speed Adjustment	Via Pot on the panel
Environment	0-60°C, %70rH max.
Noise level	on request
Safety	Shockless, pin current <250µA
Standards	2014/30/EU EMC Directive
	2014/35/EU Low Voltage Directive

### Drawing / Dimensions



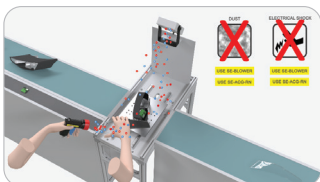
## AC Type Antistatic Airgun for Dust Removal and Ionisation



- World's first Integrated Ioniser Rotary Nozzle Airgun
- Most effective dust cleaning thanks to rotating nozzle with 7
- Tungsten ionising pins
- Compact, lightweight, ergonomic integrated ioniser
- Shockless design

Technical Information						
Product	SE-ACG-55-RN-C3		SE-ACG-55-SN-C3			SE-ACG-55-NN-C3
Nozzle	Rotating Nozzle		Standard Nozzle			Without Nozzle
Air Connection	8 mm hose					
Air pressure - dry filtered air	3 bar (4.5 bar max)		5 bar (7 bar max)			Acc.To Nozzle Used
Air Consumption (liter/min)	3 bar	4.5 bar	3 bar	5 bar	7 bar	
	170	200	230	260	280	
Air flow speed (m/s)	9	12	11	14	16	
Power Unit	SE-PAC-55-2-C, SE-PAC-55-4-C					
Cable	3m. HFFR protected with HV connector. (up to 12m optional)					
Environment	60 °C maximum temperature. 70 % rH non-condensing max. IP66. Fully sealed.					
Noise level (Measured at 1000mm)	80 to 85 dB		80 to 90 dB			Acc.To Nozzle Used
Safety	Shockless, pin current <250µA, transformer current max 5mA (with fuse)					
Standards	2014/30/EU EMC Directive					
	2014/35/EU Low Voltage Directive					
ESD Compatibility	According to tests done from 300mm distance with air(4-7bar) ion balance on he surface is below ±35V					

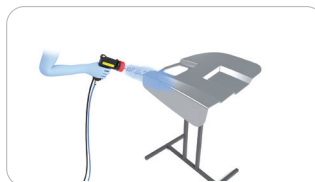
### Applications



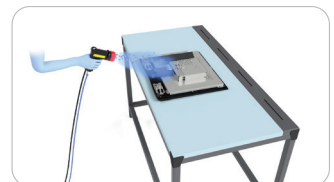
Headlight Mounting Table



Headlight Cleaning With Airgun



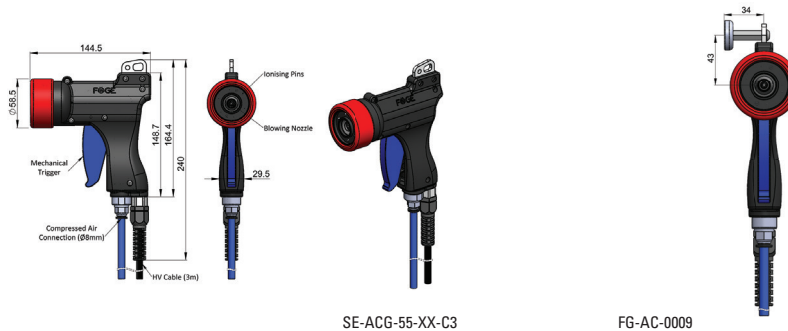
Plastic Parts Ionisation



Electronic Card Assembling Tv App.

# AC Type Antistatic Airgun for Dust Removal and Ionisation

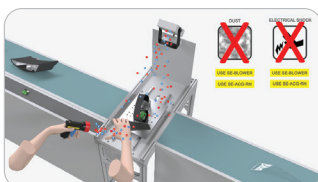
## Drawing / Dimensions



## Accessories

SE-ACG-55-AC01	Air Gun Ionising Ring	
SE-ACG-55-AC02	Air Gun Body R&L	
SE-ACG-55-AC03	Air Mechanism (Trigger, Hose, Valve)	
SE-ACG-55-AC05	Protective Cap	
SE-ACG-55-AC08	Protective cap, Extension ring	
FG-AC-0009	Magnetic mounting bracket for air gun	
FG-AC-0010	HP Connector Set	
FG-AC-0011	Nozzle with 8 air output hole with 1mm dia	
FG-AC-0012	Nozzle with single air output hole with 3mm dia	
FG-AC-0013	LT Series R1/8" Aluminum Body Nozzle	
FG-AC-0014	CT Series R1/8" Brass Body Nozzle	
SE-CAB-AC-1	Non standard option 1mt cable can be ordered up to 12 mt.	

## Applications



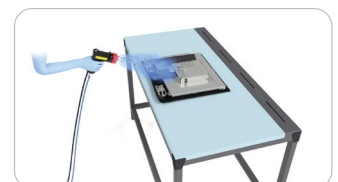
Headlight Mounting Table  
Ver.24.04.001



Headlight Cleaning With Airgun



Plastic Parts Ionisation



Electronic Card Assembling Tv App.

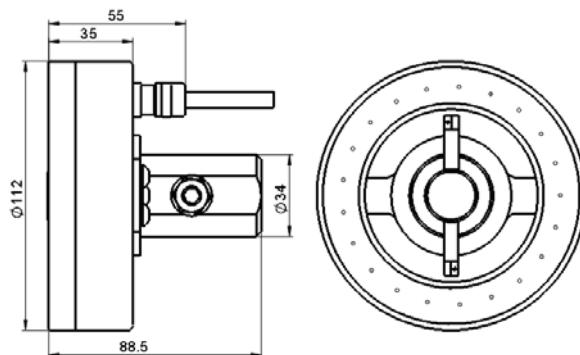
## Rotary Nozzle with AC Static Eliminator for Dust Removal and Ionisation

- Wide area coverage by rotating the nozzle with high speed
- Tungsten pins for extreme high lifetime
- Cleaning areas by using multiple heads
- Can be used on robot for specific area cleaning
- Easy and flexible installation makes suitable for different dust cleaning or ionising tasks

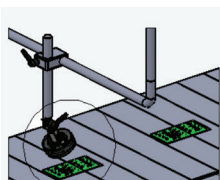


Technical Information			
Product	SE-ARN-80-112-C3		
Air Connection	8mm hose		
Air pressure - dry filtered air	2 bar (3.5 bar max)		
Air Consumption (liter/min)	1bar	2 bar	3.5bar
	70	110	190
Power Supply	SE-PAC-80-2-C, SE-PAC-80-4-C		
Cable	3m. HFFR protected with HV connector. (up to 10m optional)		
Environment	Clean, dry and oil-free environment. 60 °C maximum temperature. 70 % rH non-condensing max. IP66. Fully sealed.		
Noise level (Measured at 1000mm)	<61dBA	<67dBA	<75dBA
Safety	Shockless, pin current <250µA, transformer current max 5mA(with fuse)		
Standards	2014/30/EU EMC Directive		
	2014/35/EU Low Voltage Directive		

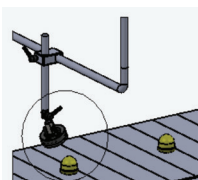
### Drawing / Dimensions



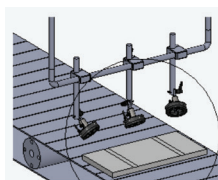
### Applications



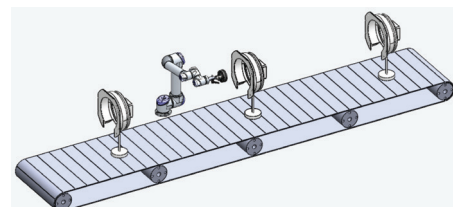
Electronic Card



Headlamp



Wood Processing



Robotic Production

SE-CAB-AC-1: Non standard option 1mt cable can be ordered up to 15 mt.



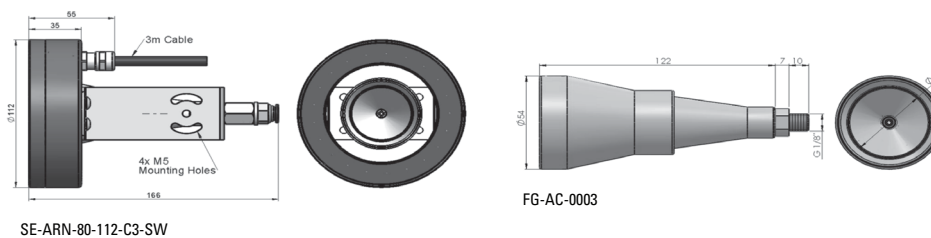
# Shock Wave Rotary Nozzle with AC Static Eliminator for Dust Removal and Ionisation

- Wide area coverage by rotating the nozzle with high speed
- Tungsten pins for extreme high lifetime
- Cleaning areas by using multiple heads
- Can be used on robot for specific area cleaning
- Easy and flexible installation makes suitable for different dust cleaning or ionising tasks



Technical Information	
Product	SE-ARN-80-112-C3-SW
Air Connection	8mm hose
Air pressure - dry filtered air	4 bar
Air Consumption (liter/min)	100 ~ 110
Power Supply	SE-PAC-80-2-C, SE-PAC-80-4-C
Cable	C3: 3m. HFFR protected with HV connector. (up to 15 m optional)
Environment	Clean, dry and oil-free environment. 60 °C maximum temperature. 70 % rH non-condensing max. IP66. Fully sealed.
Noise level (Measured at 1000mm)	on request
Safety	Shockless, pin current < 250µA, transformer current max 5mA(with fuse)
Standards	2014/30/EU EMC Directive 2014/35/EU Low Voltage Directive

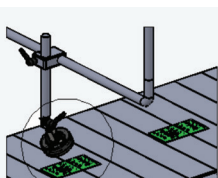
## Drawing / Dimensions



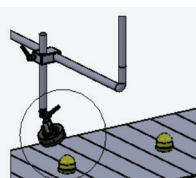
## Accessories

SE-ARN-80-112-AC01	ionizing ring	
FG-AC-0003	Shock Wave Rotary Nozzle (Body: Ø40mm, Nozzle Hole: Ø1.5mm)	
FG-AC-0004	Shock Wave Rotary Nozzle Air Tube (Body: Ø40mm, Nozzle Hole: Ø1.5mm)	
FG-AC-0010	HP Connector Set	
SE-CAB-AC-1	Non standard option 1mt cable can be ordered up to 15 mt.	

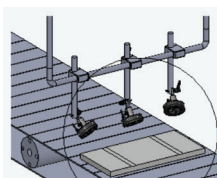
## Applications



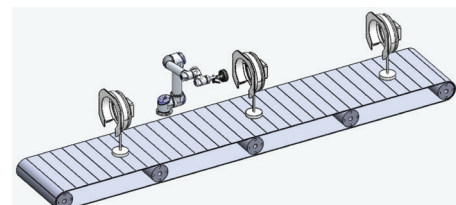
Electronic Card



Headlamp



Wood Processing



Robotic Production

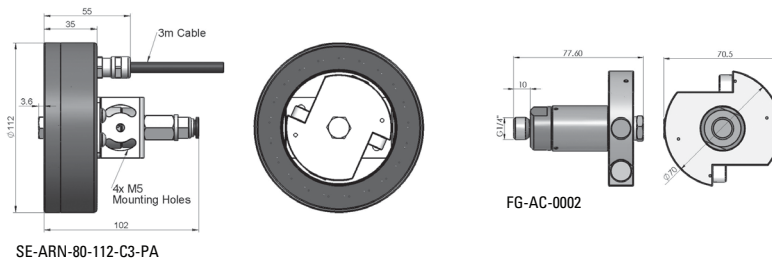
# Pulsed Air Rotary Nozzle with AC Static Eliminator for Dust Removal and Ionisation

- Wide area coverage by rotating the nozzle with high speed
- Tungsten pins for extreme high lifetime
- Cleaning areas by using multiple heads
- Can be used on robot for specific area cleaning
- Easy and flexible installation makes suitable for different dust cleaning or ionising tasks



Technical Information			
Product	SE-ARN-80-112-C3-PA		
Air Connection	8mm hose		
Air pressure - dry filtered air	4 to 8 bar		
Inlet pressure	4 bar	6 bar	8 bar
Air Consumption (liter/min)	215	290	375
Power Supply	SE-PAC-80-2-C, SE-PAC-80-4-C		
Cable	C3: 3m. HFFR protected with HV connector. (up to 15 m optional)		
Environment	Clean, dry and oil-free environment. 60 °C maximum temperature. 70 % rH non-condensing max. IP66. Fully sealed.		
Noise level (Measured at 1000mm)	73 to 83 dB		
Safety	Shockless, pin current < 250µA, transformer current max 5mA(with fuse)		
Standards	2014/30/EU EMC Directive 2014/35/EU Low Voltage Directive		

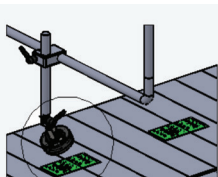
## Drawing / Dimensions



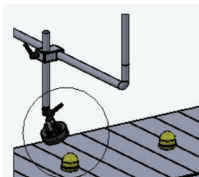
## Accessories

SE-ARN-80-112-AC01	Ionizing ring	
FG-AC-0002	Pulsed Rotary Nozzle (Body: Ø70mm, Nozzle Hole: Ø1.8mm)	
FG-AC-0010	HP Connector Set	
SE-CAB-AC-1	Non standard option 1mt cable can be ordered up to 15 mt.	

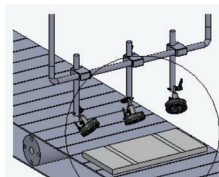
## Applications



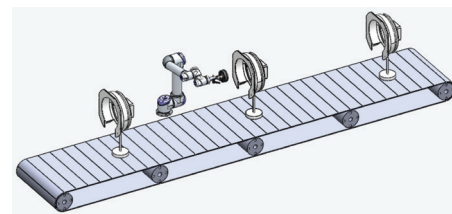
Electronic Card



Headlamp



Wood Processing



Robotic Production

# High Power Compact Spot Nozzle AC Static Eliminator for Dust Removal and Ionisation

- Dust removal, cleaning on a spot area
- Ionization range up to 1000 mm
- Tungsten pins for extreme high lifetime
- Shockless design
- Washable design
- Up to 4 ioniser nozzle connection to 1 power unit
- Can be used on robot for specific area cleaning
- Easy and flexible installation makes suitable for different dust cleaning or ionising tasks

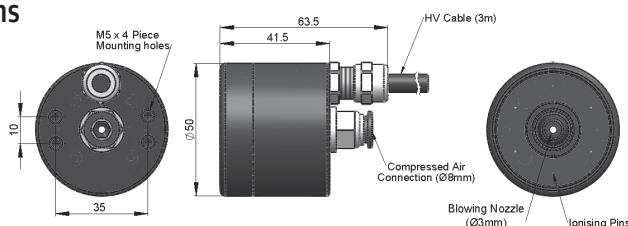


### Technical Information

Product	SE-ACS-55-50-C3		
Air Connection	8mm hose		
Air pressure - dry filtered air	4 to 6 bar		
Inlet pressure	4 bar		6 bar
Air Consumption (liter/min)	250		280
Power Unit	SE-PAC-55-2-C, SE-PAC-55-4-C		
Air flow speed (m/s) (Measured at 100mm)	18		20
Cable	C3: 3m. HFFR protected with HV connector. (up to 12 m optional)		
Environment	Clean, dry and oil-free environment. 60 °C maximum temperature. 70 % rH non-condensing max. IP66. Fully sealed.		
Noise level (Measured at 1000mm)	85 to 90 dB		
Safety	Shockless, pin current < 250µA, transformer current max 5mA(with fuse)		
Standards	2014/30/EU EMC Directive 2014/35/EU Low Voltage Directive		

According to tests done from 300mm distance with air(4-6bar) ion balance on he surface is below ±35V

### Drawing / Dimensions

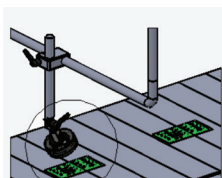


SE-ACS-55-50-C3

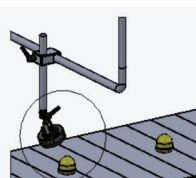
### Accessories

FG-AC-0023	Spot Nozzle 180° Adjustable Mounting Bracket	
FG-AC-0010	HP Connector Set	
SE-CAB-AC-1	Non standard option 1mt cable can be ordered up to 12 mt.	

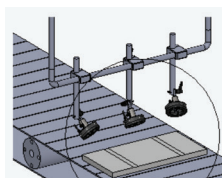
### Applications



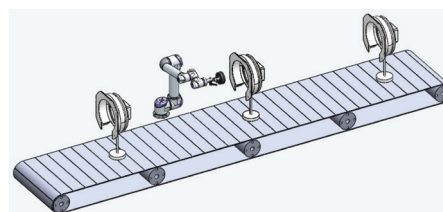
Electronic Card



Headlamp



Wood Processing



Robotic Production

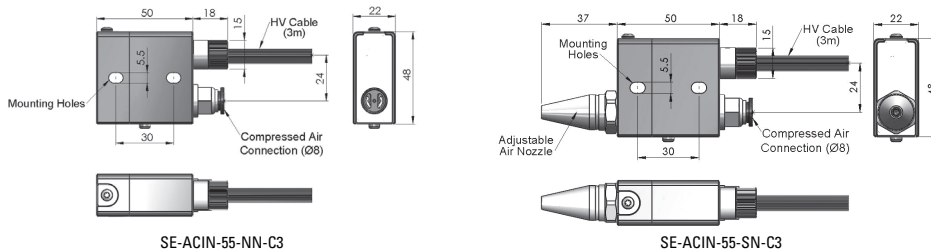
## AC Inline Air Ioniser Nozzle

- Dust removal, cleaning on a spot area with exchangeable nozzle
- Can be used with air gun for air ionisation
- Ionization range up to 300 mm
- Tungsten pins for extreme high lifetime
- Shockless design
- Up to 4 ioniser nozzle connection to 1 power unit
- Can be used on robot for specific area cleaning
- Easy and flexible installation makes suitable for different dust cleaning or ionising tasks



Technical Information		
Product	SE-ACIN-55-NN-C3	SE-ACIN-55-SN-C3
Air Connection	8mm hose	
Air pressure - dry filtered air	6 bar	
Inlet pressure	6 bar	
Compressed air consumption [L/min]	can be changed depending on the nozzle attached	320
Power Unit	SE-PAC-55-2-C, SE-PAC-55-4-C	
Air flow speed (m/s) (Measured at 300mm)	can be changed depending on the nozzle attached	14
Cable	C3: 3m. HFFR protected with HV connector. (up to 12m optional)	
Environment	Clean, dry and oil-free environment. 0 - 50° C, 70 % rH non-condensing max.	
Noise level (Measured at 1000mm)	can be changed depending on the nozzle attached	83dB
Safety	Shockless, pin current < 250µA, transformer current max 5mA(with fuse)	
Standart	2014/30/EU EMC Directive	
	2014/35/EU Low Voltage Directive	
Product Body Weight	315 gr	364 gr

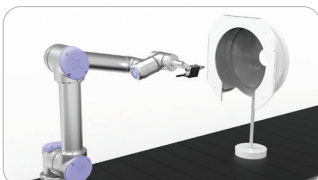
### Drawing / Dimensions



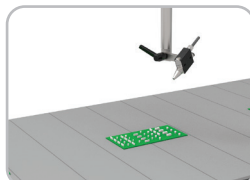
### Accessories

FG-AC-0025	CT-R Series G1/4" Aluminum Body Nozzle		FG-AC-0032	Ionisig Pin - 67.5mm (Ø 0,8x91)	
FG-AC-0026	CT-R Series G1/4" Stainless Body Nozzle		FG-AC-0010	HP Connector Set	
FG-AC-0027	Ionisig Pin - 9mm (Ø 0,8x32,5)		SE-CAB-AC-1	Non standard option 1mt cable can be ordered up to 12 mt.	
FG-AC-0029	Ionisig Pin - 57mm (Ø 0,8x80,5)				

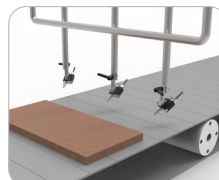
### Applications



Robotic Production



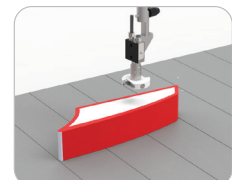
Electronic Card



Wood Processing



Airgun Application



Headlamp

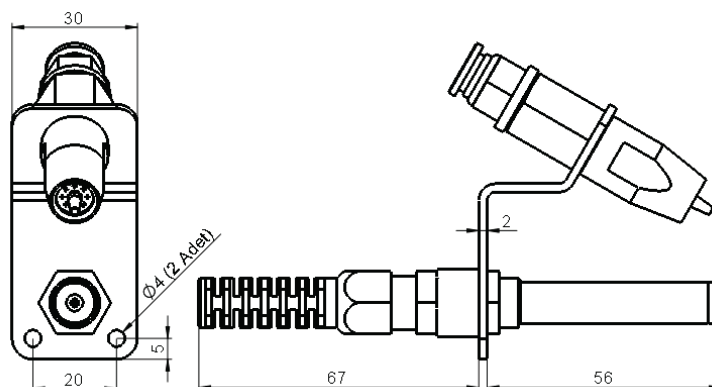
## Spot Nozzle AC Static Eliminator for Dust Removal and Ionisation

- Dust removal, cleaning on a spot area
- Ionisation range up to 500mm
- Stainless steel pins for long lifetime
- Screened HFFR protected cable
- Shockless design
- Washable design
- Up to 4 ioniser bar connection to 1 power unit



Technical Information			
Product	SE-ACS-55-C2		
Air Connection	8 mm hose		
Air pressure - dry filtered air	5 bar (7 bar max)		
Air Consumption (liter/min)	3bar	5bar	7bar
	168	224	270
Air push force	1.2N	1.9N	2.7N
	100 mm		
Air flow speed (m/s)	10		
Power Unit	SE-PAC-55-2-C , SE-PAC-55-4-C		
Cable	C2 : 2mt HFFR protected cable with HV connector		
Environment	0-60°C, %70rH max.		
Noise level	on request		
Safety	Shockless, pin current <250µA, transformer current max 5mA(with fuse)		
Standards	2014/30/EU EMC Directive		
	2014/35/EU Low Voltage Directive		

### Drawing / Dimensions



## Power Units – AC Type

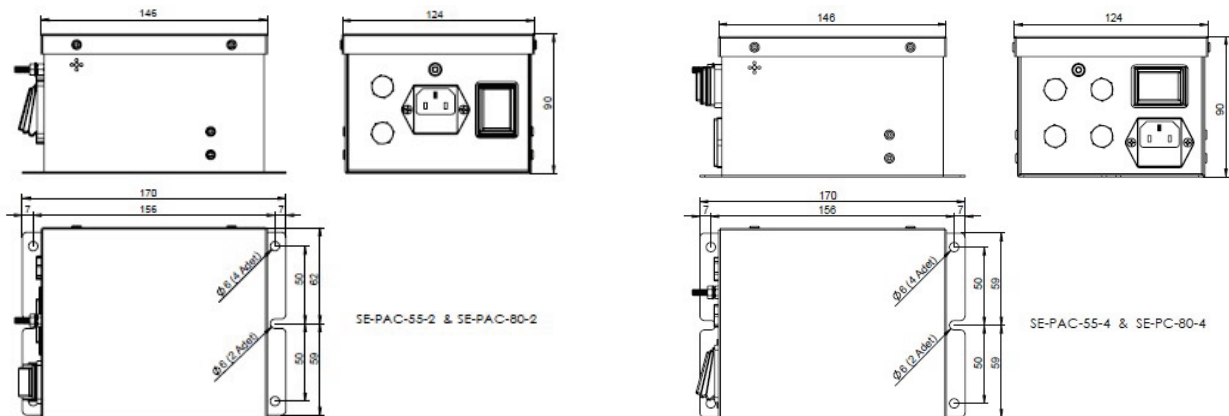
- Robust, short circuit protection, long life transformer
- Up to 4 antistatic equipment connection
- Compact design



### Technical Information

Product	SE-PAC-55-2-C	SE-PAC-55-4-C	SE-PAC-80-2-C	SE-PAC-80-4-C
Product Image				
Output Voltage	5.5kV	5.5kV	8kV	8kV
Number of Outputs	2	4	2	4
Power Supply	220VAC 50Hz			
Panel	On/off switch, power light, power connector			
Environment	50 °C maximum temperature, 70 % rH non-condensing max. Location should be dry and oil-free. IP54.			
Safety	Short circuit protection			
Standards	2014/30/EU EMC Directive 2014/35/EU Low Voltage Directive			

### Drawing / Dimensions



## Antistatic Products Maintenance Kit

It must be cleaned regularly to maintain the efficiency of the anti-static device.

Regular cleaning and maintenance will prolong the working life of the device and increase productivity.

FÖGE Antistatic Products Maintenance Kit is designed for the maintenance of Anti-static bars, Air blowers, anti-static air guns, and other anti-static devices.



Why anti-static products get dirty?

- The strong electric field naturally attracts airborne dust and contaminants.
- Carbonization of the air by the high voltage causes carbon to accumulate in the electrode body.
- In applications on fabric, ink or dirt may be contaminated from the fabric.

Dirty anti-static pins can cause circuit overload and short circuit. The dirtier the pins mean the lower the efficiency.

The special solution in it provides cleaning of dust and dirt on your anti-static products. It offers long-lasting use.

The cleaning solution is non-conductive and does not contain water. It consists of a mixture of solvent and cleaning chemicals to remove the most stubborn dirt. It is specially produced for FÖGE products and cleans without damaging the product. Evaporates without leaving any residue.

Brush measuring 225 x 35 x 22 mm is easy to hold and durable. The cleaning brush consists of nylon filaments with a diameter of 0.35 mm and a depth of 20 mm.



## You will need



**Safety Glasses**



**Protective gloves**



**FÖGE Maintenance Kit**

### Important:

Switch electrode OFF and do not switch ON until it is dry.

The frequency of cleaning depends on the process and environment.

The cleaning fluid can be poured directly onto the electrode or it can be applied with spray head.

### Usage Instruction:

- 1- Clean the static control device using the FÖGE cleaning brush.
- 2- Attach a spray head to the bottle containing the cleaning fluid.
- 3- Moisten a cloth with Cleaning Fluid and wipe the Static Control Device being careful around the emitters.
- 4- Repeat brushing and cleaning steps by making sure Static Control Device is clean.
- 5- Polish the pins carefully with a dry cloth.

### Safety:

Designed for regular cleaning of ionization systems. Evaporates without leaving any residue. Water-free and non-conductive. Use undiluted.

Ingredients: Solvent mixture. Contains isoparaffins. Free from halogenated and aromatic hydrocarbons.

### Hazard Statements:

H304: May be fatal if swallowed and enters airways.

H413: May cause long lasting harmful effects to aquatic life.

EUH066: Repeated exposure may cause skin dryness or cracking.



### Precautionary Statements:

P273: Avoid release to the environment.

P301 + P310: IF SWALLOWED Immediately call a POISON CENTER or doctor/physician

P331: Do NOT induce vomiting

P405: Store locked up

P501: Dispose of contents and container in accordance with local regulations.





# FÖGE

Industrial Equipments



[www.fogegmbh.com](http://www.fogegmbh.com)



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