

Clean Air System

ELECTROSTATIC PRECIPITATOR

Technical skills and know-how
cannot be acquired in one day.



Head office : 41, 17-gil, Galhyeon-dong, Yeonseo-ro, Eunpyeong-gu, Seoul, Korea (Previously 489-6)
TEL : +82-2-389-2556 FAX : +82-2-389-1903
Factory: 648 Seobusaet-gil, Geumcheon-gu, Seoul, Korea (Previously 49-6 Gasan-dong)
www.senics.com

Printed in Sep. 2014



20 years of promoting a clean and healthy environment!

Because of the company's unparalleled technology and know-how that has captured the trust of many people for a long time now, Sejin has received various certificates, including ISO 9001 / KSA 2001, as well as patents for its new device and for the design of its electrostatic precipitator, among others. With this notable achievements, the company continues to exemplify its best to realize better innovative quality development, creative customer-oriented responsibility management, as well as advanced global market expansion.

Sejin promises to pursue its efforts and consistently meet the expectations of various clients and affiliated companies worldwide. It pledges to step up its game in the business to become the No.1 company in the environmental industry and high-voltage power supply equipment area.

From all of the managers and employees of Sejin Electronics



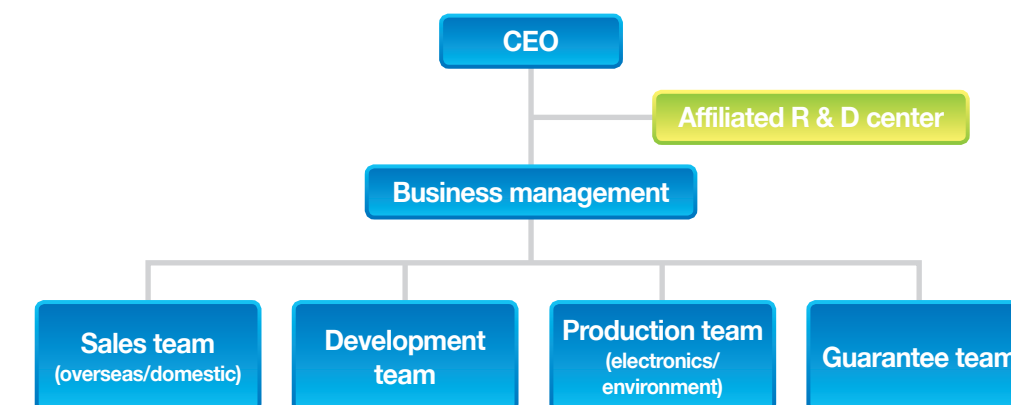
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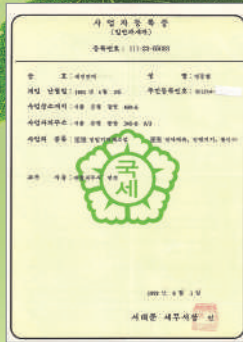
Corporate History

- 1991 Apr. Establishment of Sejin Electronics
- Dec. Registration of trade and commercial business
- 1994 May Registration of trademark for powermax
- 1998 Oct. Registration of factory
- 2001 Apr. Registration of patent on a new device, E.P
- 2002 Jun. Registration of the design of electrical connector's terminal box
- 2003 Oct. Registration of the design of electronic dust collector March Received ISO 9001: 2000 certification
- 2005 Aug. Registration of patent for a new device
- 2006 Apr. Received CE for power pack
- Jul. Registration of patent for a new ozonizing device
- 2007 Sep. Received the Certificate of Clean Workplace
- Dec. Registration of patent for E.P
- 2008 Jan. Received the confirmation of being a technologically innovative small and medium business (INNO-BIZ)
- Mar. Participated in the overseas market development project of the Small and Medium Business Administration
- Aug. Registration of venture business
- Oct. Registration of the design for E.P
- Dec. Registration of patent for D.E.P
- 2009 Jan. Registration of patent for W.E.P
- 2010 Jun. Selected in the export business project of the Small and Medium Business Administration
- 2011 Mar. Participated in the International Environment Expo / International Fair Trade Association (IFAT) in Shanghai, China
- Apr. Selected in the export business project of the Small and Medium Business Administration
- May Selected as E-biz business by the Korea Environmental Industry Promotion Institute
- Sep. Participated in the Korea International Machine Industry Expo (KOMAF)
- 2012 Aug. Established an enterprise-affiliated R & D center
- Oct. Released cigarette smoke remover (Smoking Table), Applied for the patent and design of practical utility
- 2013 Mar. Registered as the clean workplace support supplier

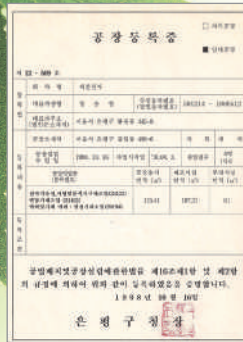
Organization



Certifications



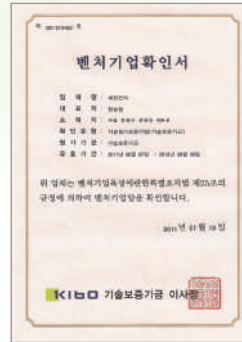
Business Registration



Certificate of Factory Registration Certificate



Sejin Electronics ISO 9001



Confirmation of Venture



Business Trademark Registration Certificate



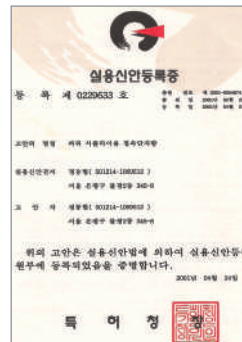
Acknowledgement of enterprise-affiliated R & D center



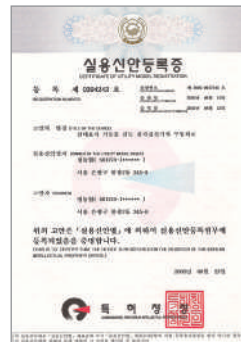
INNOBIZ



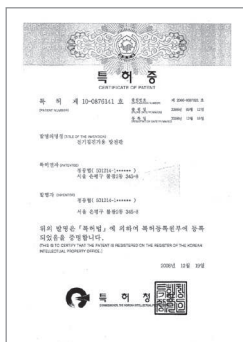
Design of practical utility



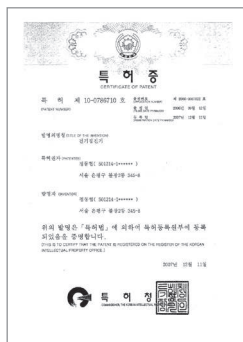
Design of practical utility



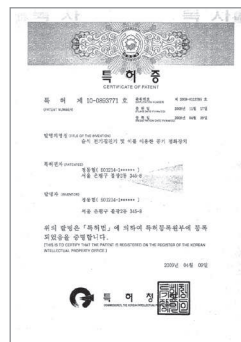
Design of practical utility



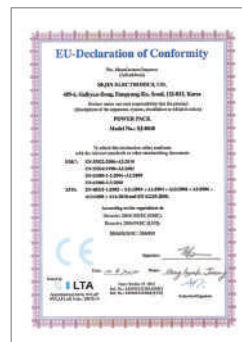
Patent (discharging panel)



Patent (E.P.)



Patent (W.E.P.)



CE (SJ-8040)



CE (SJ-1260ASN)



CE (SJ-1260AN)



CE (SJ-1015)



CE_TUV NORD_SA-60D



CE_TUV NORD_SA-15

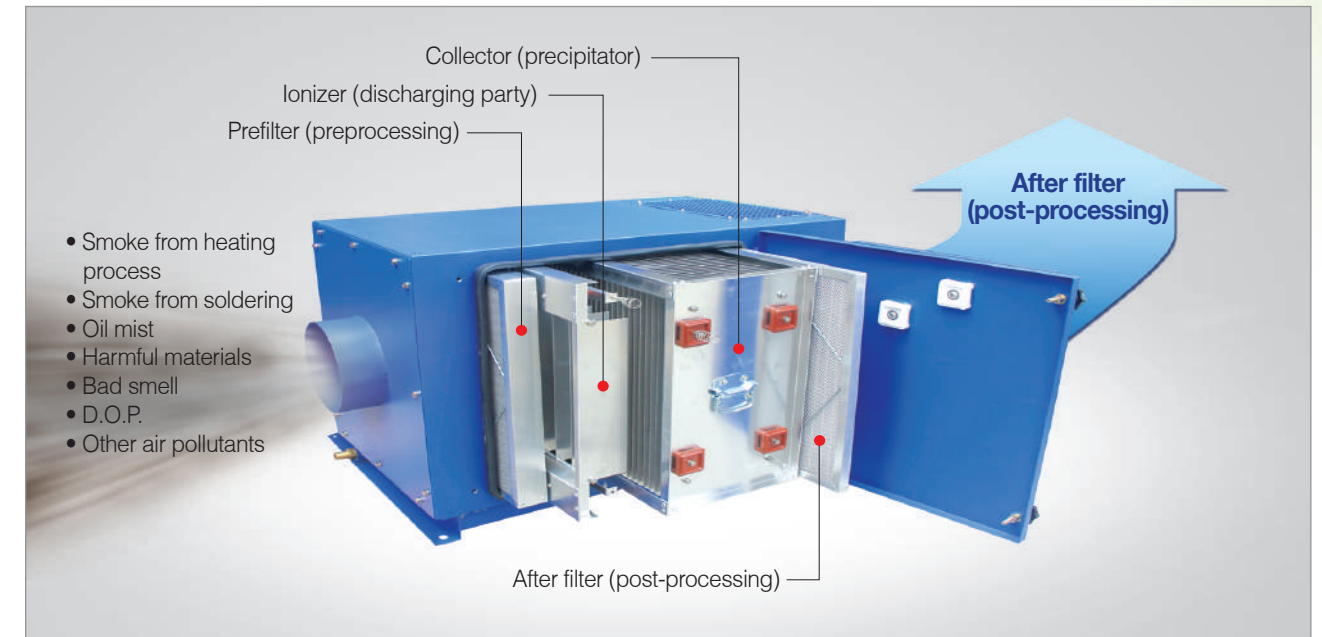


CE_TUV NORD_SA-30

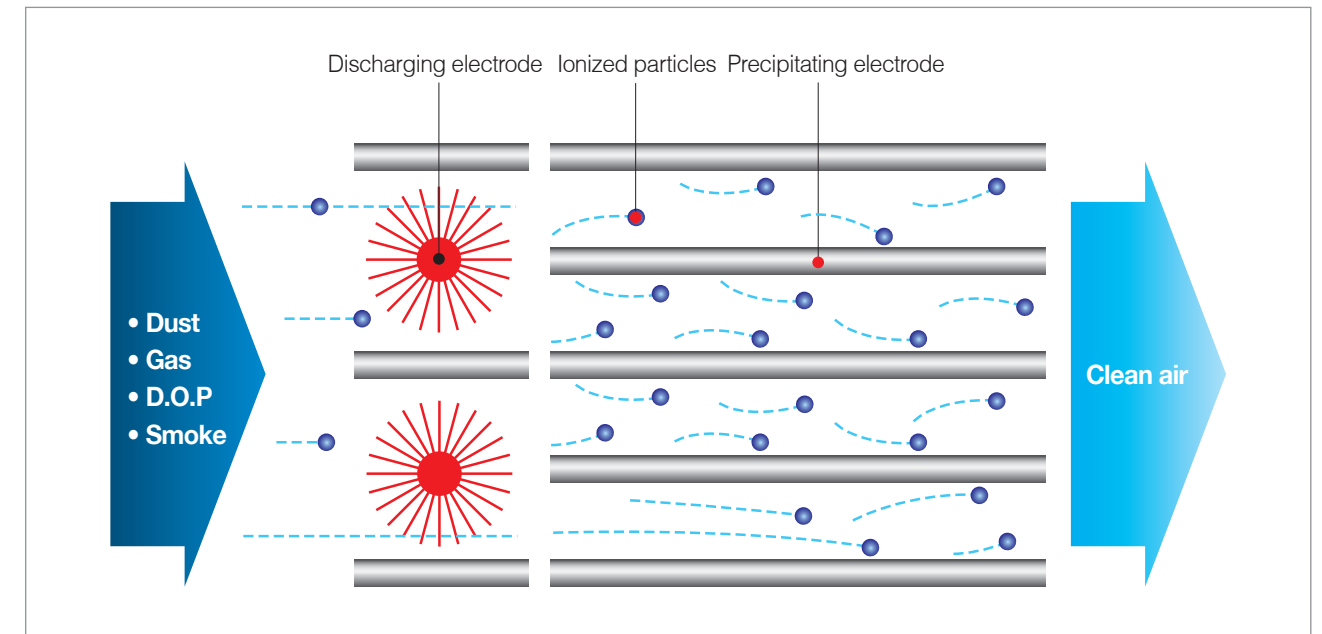
The principle of electrostatic precipitator, efficiency, and special features

What is electrostatic precipitator?

The electrostatic precipitator is a machine that collects dust by using static electricity that is generated from the corona discharge using high-tension direct current to electrify particles. The said machine is available in one-layer type and two-layer type. The one-layer type has the discharging part and the precipitator in one body and is called Cottrell. The two-layer type has the discharging part and the precipitator separately and generates less harmful gas. It is mainly used for industrial purposes or as an air cleaner and requires high-tension direct current of either DC 10 – 12 KV or DC 5 – 6 KV. The picture and the graph shows the typical two-layer type. It is designed to be perfectly suitable for industrial or air cleaning purpose and is applied in a wide range of uses.



Principle and structure of electrostatic precipitator



SA-15



Internal components and control



Installation case



Specification

Model	Power	Power consumption	Air volume	Noise	Constant pressure	Weight
SA-15	AC 230V±10% 50/60Hz 1Ø	320W	15CMM	65dB	-	about 55kg

* Power consumption (including the motor)

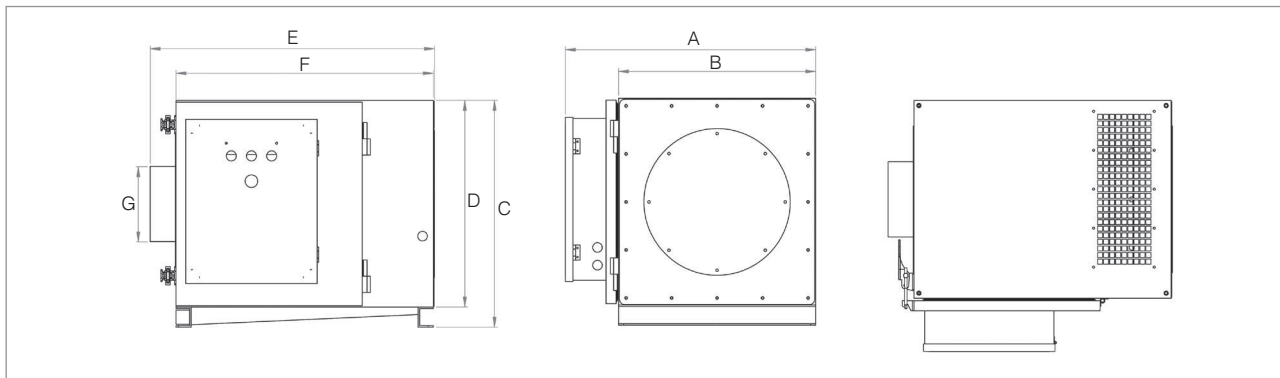
Size

A	B	C	D	E	F	G
460	380	480	430	523	380	200

* The specification can be changed according to the customer's request.

* The design and specification can be changed according to the circumstance even without a notice from the head office.

Illustration



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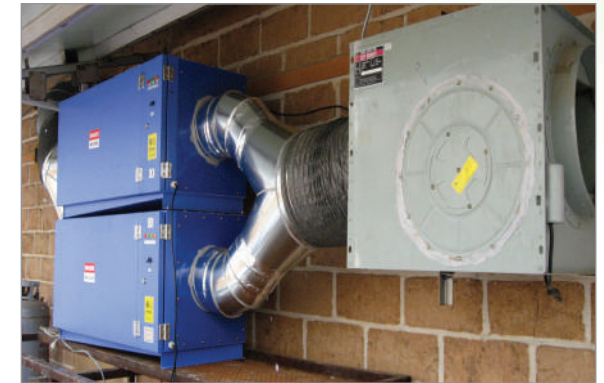
SA-15D



Internal components and control



Installation case



Specification

Model	Power	Power consumption	Air volume	Noise	Constant pressure	Weight
SA-15D	AC 230V±10% 50/60Hz 1Ø	320W	15CMM	65dB	-	about 55kg

* Power consumption (including the motor)

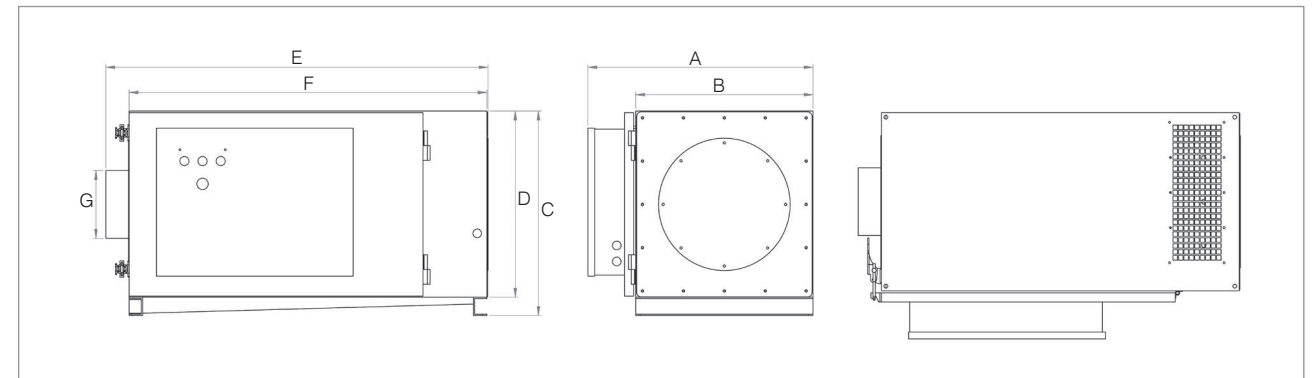
Size

A	B	C	D	E	F	G
460	380	480	430	870	700	200

* The specification can be changed according to the customer's request.

* The design and specification can be changed according to the circumstance even without a notice from the head office.

Illustration



SA-30



Internal components and control



Installation case



Specification

Model	Power	Power consumption	Air volume	Noise	Constant pressure	Weight
SA-30	AC 230V±10% 50/60Hz 1Ø	435W	30CMM	67dB	-	about 65kg

* Power consumption (including the motor)

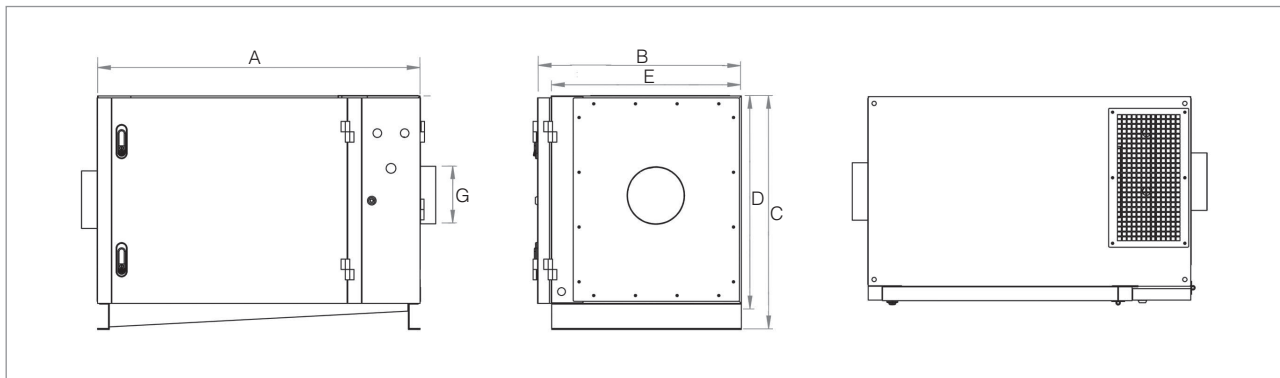
Size

A	B	C	D	E	F	G
825	650	640	600	600	510	200

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Illustration



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SA-30D



Internal components and control



Installation case



Specification

Model	Power	Power consumption	Air volume	Noise	Constant pressure	Weight
SA-30D	AC 230V±10% 50/60Hz 1Ø	150W	30CMM	-	-	about 85kg

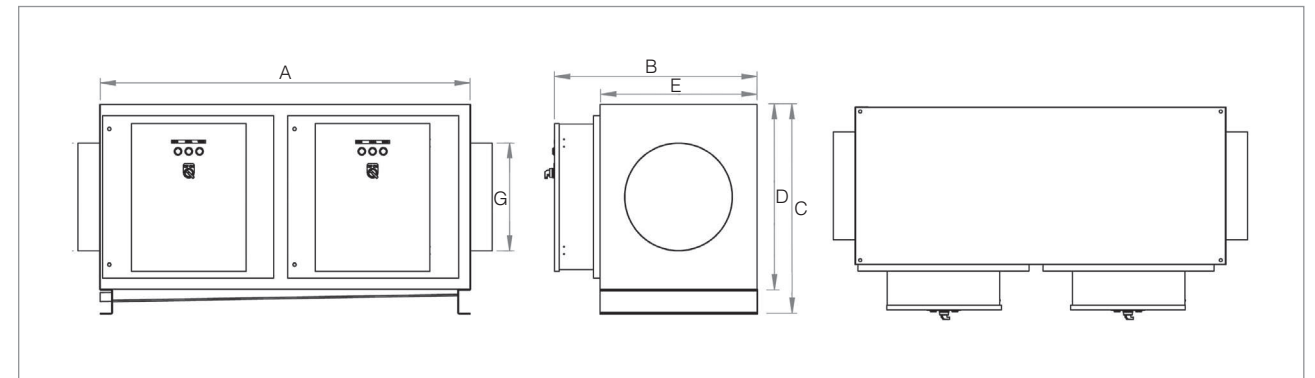
Size

A	B	C	D	E	F	G
1200	650	640	600	510	-	350

* The specification can be changed according to the customer's request.

* The design and specification can be changed according to the circumstance even without a notice from the head office.

Illustration



SA-60D



Internal components and control



Installation case



Specification

Model	Power	Power consumption	Air volume	Noise	Constant pressure	Weight
SA-60D	AC 230V±10% 50/60Hz 1Ø	150W	60CMM	-	-	about 150kg

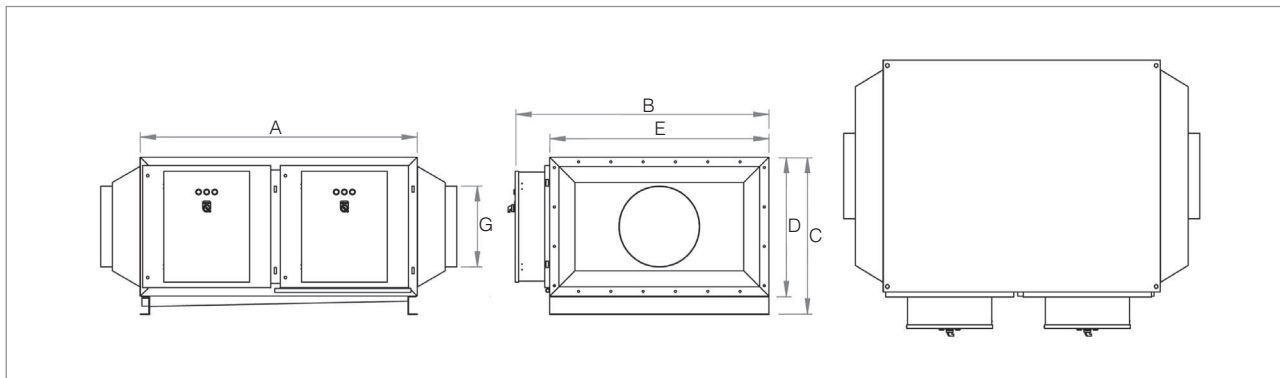
Size

A	B	C	D	E	F	G
1200	1100	640	600	950	-	450 or Option

* The specification can be changed according to the customer's request.

* The design and specification can be changed according to the circumstance even without a notice from the head office.

Illustration



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SA-120D



Internal components and control



Installation case



Specification

Model	Power	Power consumption	Air volume	Noise	Constant pressure	Weight
SA-120D	AC 230V±10% 50/60Hz 1Ø	300W	120CMM	-	-	about 250kg

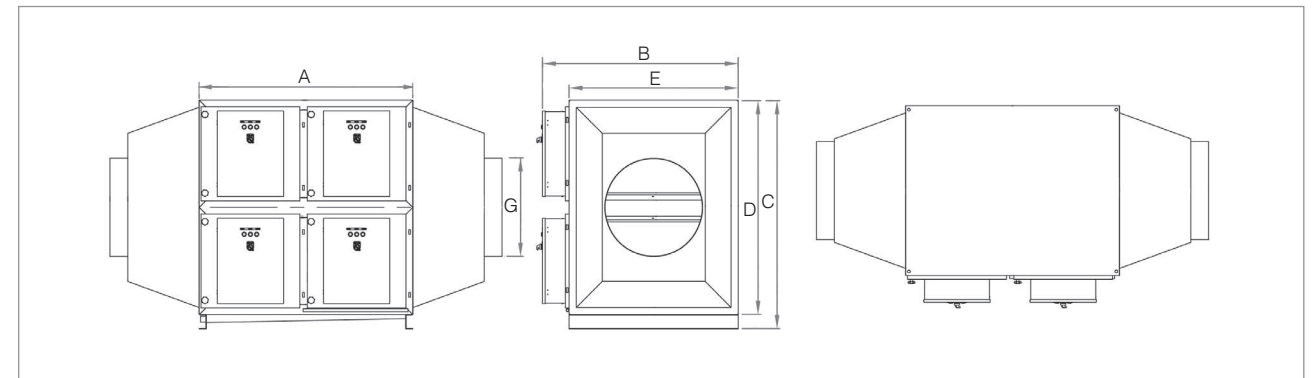
Size

A	B	C	D	E	F	G
1200	1100	1280	1200	950	-	550 or Option

* The specification can be changed according to the customer's request.

* The design and specification can be changed according to the circumstance even without a notice from the head office.

Illustration



MODULE (OPTION)



SA-30M

Specification

Power	AC 230V \pm 10%, 50/60Hz 1 ϕ %
Power consumption	75W
Air volume	30CMM
Size	600(W) \times 650(D) \times 680(H)
Weight	40 kg



SA-60L

Specification

Power	AC 230V \pm 10%, 50/60Hz 1 ϕ
Power consumption	75W
Air volume	60CMM
Size	620(W) \times 1200(D) \times 700(H)
Weight	80 kg



SA-60T

Specification

Power	AC 230V \pm 10%, 50/60Hz 1 ϕ
Power consumption	150W
Air volume	60CMM
Size	600(W) \times 650(D) \times 1280(H)
Weight	85 kg



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Installation Case

Restaurant

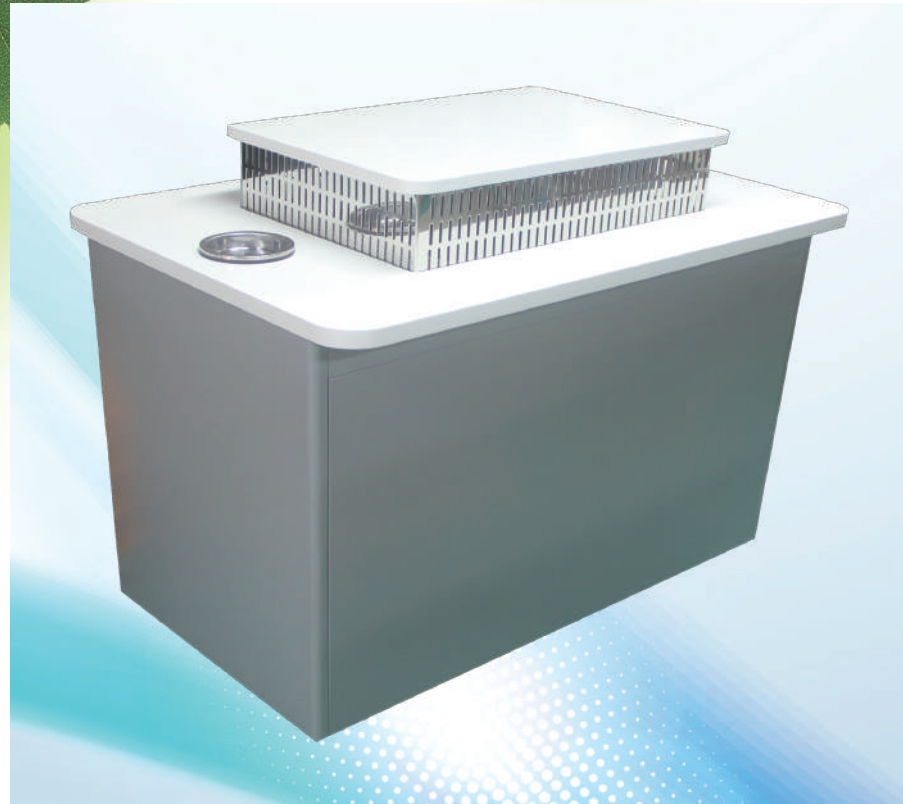


Industry



Cigarette smoke collector (smoking table)

This is a cigarette smoke purifier for a smoking booth or a smoker.
By collecting cigarette smoke efficiently, the smoking table guarantees clean indoor smoking area and protects nonsmokers by supporting correct smoking habit.



* This portable cigarette smoke collector does not require separate installation.

Specification

Capacity	<ul style="list-style-type: none"> Strong : 15m³/min Medium : 12m³/min Weak : 10m³/min (Air volume can be controlled.)
Efficiency of collecting dust	90 %
Power	230V / 60Hz (50Hz /Option)
Power consumption	270W (Max)
Noise	57.8 dB
Main filter	Electrical dust collector cell
Filter	Active carbon filter
Capacity	4-5 people
Weight	68 Kg
Size	900 × 600 × 860(H)

* The main filter can be cleaned, used semipermanently, and does not require additional costs for maintenance and repair.
* The design (outer shape) and specification can be changed according to the customer's request.



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Clean air system related products (the specification to order is available for the below product)

Power pack | ion | cell

Power pack series



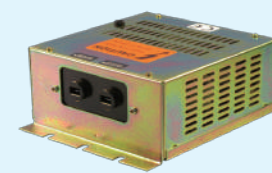
Model : SJ-1260 ASN

- Input voltage : AC 110 V / 220-230 V 50/60 Hz
- Output voltage : collector DC 5-6 kV adjustment
ionizer DC 10-12 kV adjustment
- Purpose : air cleaner, electrostatic precipitator for dust, oil mist, smoke, smog, etc.
- Size (WxDxH) : 105 × 160 × 73 mm



Model : SJ-8040 AN

- Input voltage : AC 110 V / 220-230 V 50/60 Hz
- Output voltage : collector DC 5-6 kV adjustment
- Purpose : air cleaner, electrostatic precipitator for dust, oil mist, smoke, smog, etc.
- Size (WxDxH) : 175 × 83 × 50 mm



Model : SJ-1260 AN

- Input voltage : AC 110 V / 220-230 V 50/60 Hz
- Output voltage : collector DC 5-6 kV adjustment
- Purpose : air cleaner, electrostatic precipitator for dust, oil mist, smoke, smog, etc.
- Size (WxDxH) : 155 × 150 × 77 mm



Model : SJ-1015

- Input voltage : AC 220 V / 220-230 V 50/60 Hz
- Output voltage : 10 kV, 20 kV, 30 kV (optional)
- Purpose : dust, air cleaner, electrostatic precipitator, other applied areas
- Size (WxDxH) : 105 × 160 × 73 mm



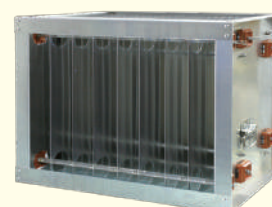
Ionizer (Model : SJ-1000)

- Input voltage : AC 110 V / 220-230 V 50/60 Hz DC 12 V, 24 V
- Output voltage : DC 6, 8, 10 kV
- Purpose : air cleaner, removal of static, air deodorizer
- Number of ion : over 2,000,000
- Size (WxDxH) : 60 × 40 × 28 mm



High-voltage power supply (Model : SJ-2015)

- Input voltage : AC 110 V / 220-230 V 50/60 Hz
- Output voltage : DC 0-20 kV adjustable / DC 0-30 kV (order available)
- Applied area : inspection equipment, test equipment, various test tools application collector, ionizer, for test, etc.
- Output capability : 50 W, 100 W, 150 W, 200 W, 300 W, 500 W
- Sensor : automatic block, constant voltage, constant current
- Purpose : tester, dust collector
- Display equipment : digital (V, mA) display
- Size (WxDxH) : 2,100 × 305 × 145 mm



Collector/cell (E.P)

- Composition : ionizer, collector
- Voltage : 5-6 kV / 10-12 kV
- Purpose : air cleaner, dust collector
- Size (WxDxH) : 465 × 465 × 360 mm