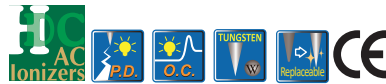


Bar type Ionizer

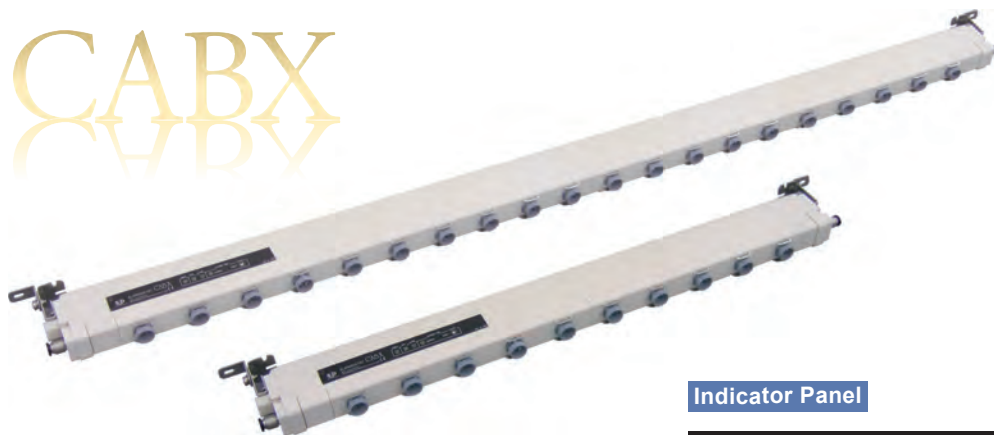
HDC-AC with build-in high-voltage power supply



Bar type Ionizer ELIMINOSTAT CABX

HDC-AC technology ensures the long-term stability of static elimination while reducing the cleaning frequencies. Achieves 30% improvement in static elimination time and product size compared to our conventional products!

CABX



Main Features

HDC-AC technology provides a stable static elimination capability with the feature of unrequiring cleaning over a long period of time.

- 1 Increase in capacities
- 2 Long-term stability of static elimination
- 3 Reduce the abrasions in emitter needle
- 4 Ultra low ozone
- 5 Superior ion balance
- 6 Minimum flow type nozzle
- 7 Cleaning timer
- 8 Emitter needle variation
- 9 Safe features

- **30% improved in both static elimination time and size**
(compare to conventional products)
Improved static elimination time and miniaturized product size both in 30% and more.

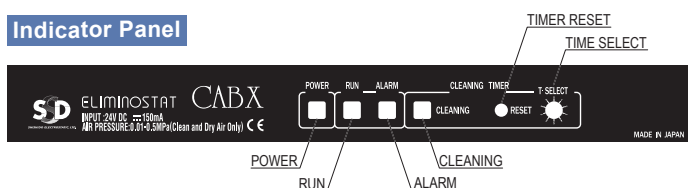
- **Small flow type discharge needle nozzle with low air consumption is also available**
Two types of discharge needle nozzles are available, normal flow nozzles and small flow nozzles (used for reduced compressor air consumption). Easy to replace nozzles. Please see our website for air flow data.

- **Pre-set cleaning schedule on timer**
The LED lights up to notify the cleaning time of the discharged needle based on the preset light up schedule. The schedule can be preset by the timer. There are 9 patterns can be set between 100 to 10000 hours. It is also possible to preset as light off.

- **Variation of the discharge needle**
The silicon discharge needle can be used for an environment where it does not allow small amount of dust.

- **Safety features**
Slight discharge detection with low voltage of DC 24V input ensure safety during operation.

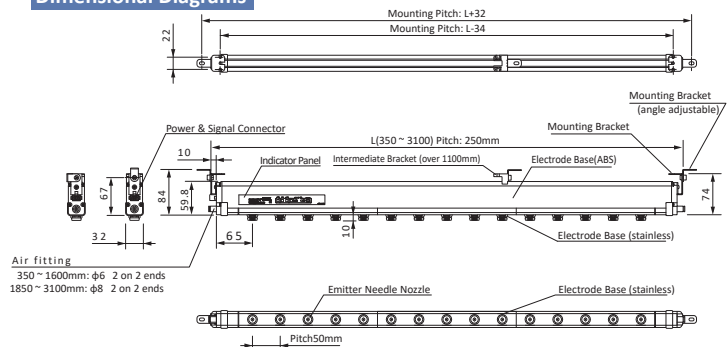
Indicator Panel



Function

- POWER** : When power turns on, Green LED lights up.
- RUN** : Under normal operation, Green LED lights up.
- ALARM** : When an overcurrent occurs in the main circuit or slight discharge occurs at the high voltage, RED LED lights up.
- CLEANING** : When the accumulated operation time set by T-SELECT is over, Yellow LED lights up. To release, press the RESET button.
- TIMER RESET** : The button to turn off CLEANING LED
- T-SELECT** : To preset the accumulated operation time for CLEANING LED to light up.

Dimensional Diagrams



Model	ELIMINOSTAT CABX
Ion Generation Method	Corona Discharge Method (HDC-AC)
Input Voltage	DC24V± 5%
Electricity Consumption	3.6VA
Output Voltage	±10kVo-p
Abnormal Output	Non-Voltage Contact (Normal Close / MOS FET Relay)
Dimensions	29×92×350~3100mm (DxHxW)
Available Air Supply	0.01MPa~ 0.5MPa
Ion Balance	Within ±30V (Distance 300mm, Air Pressure 0.3MPa initial setting)
Environment	Temperature: 5~40°C, Humidity: 15%~85% (Without Condensation)
	Air Supply: Clean Dry Air
Accessories	Manual, Mounting Bracket, Power & Signal Cable(3m) Intermediate Bracket(over 1100mm), Emitter Needle Removal Kit

ELIMINOSTAT

Length

CABX350



CABX600



CABX850



CABX1100



CABX1350



CABX1600



CABX1850



CABX2100



CABX2350



CABX2600



CABX2850



CABX3100



★ Let us know the length of the electrode pole, type of emitter needle, and the product model when you place the order.

Such as: CABX□□□□□□

Length Nozzle Type

- Length 350~3100mm(250mm pitch)
- Nozzle Flow **H** or **L**
- Emitter needle material **W**(Tungstane) or **S**(Silicon)

(Example) Length 1850mm, High flow tungsten emitter needle,

CABX1850HW

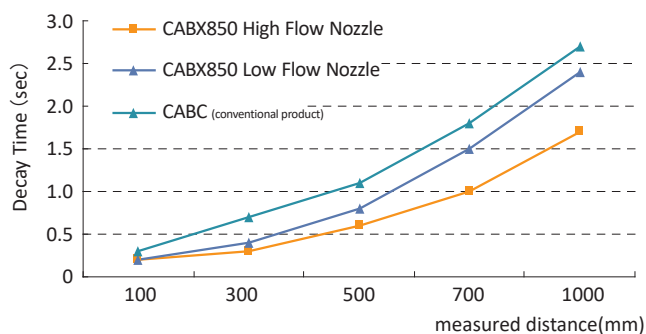
Length 600mm, Low flow silicon emitter needle,

CABX600LS

Lengths	Weights
350mm	450g
600mm	650g
850mm	860g
1100mm	1060g
1350mm	1260g
1600mm	1470g
1850mm	1670g
2100mm	1880g
2350mm	2080g
2600mm	2290g
2850mm	2500g
3100mm	2710g

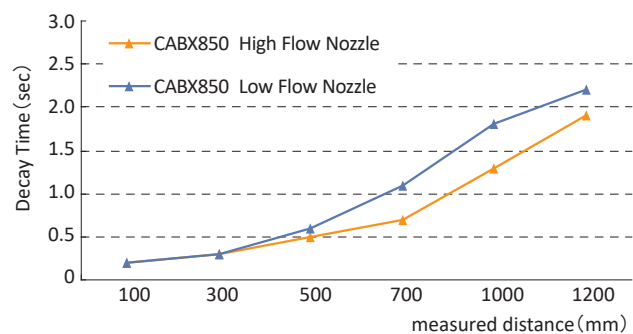
Features

CABX850mm, Air Pressure : 0.3MPa



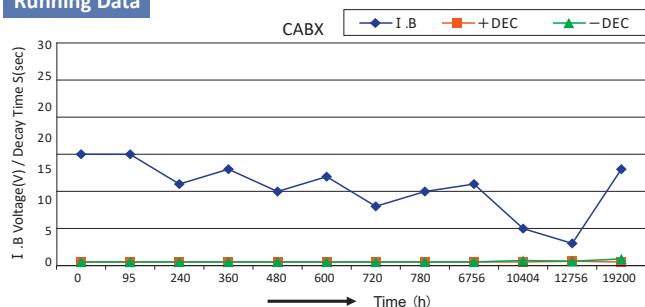
Measured Distance (mm)	100	300	500	700	1000
CABX high flow nozzle	0.2	0.3	0.6	1.0	1.7
CABX low flow nozzle	0.2	0.4	0.8	1.5	2.4
CABX (conventional product)	0.3	0.7	1.1	1.8	2.7

CABX850mm, Air Pressure : 0.5MPa



Measure Distance(mm)	100	300	500	700	1000	1200
CABX high flow nozzle	0.2	0.3	0.5	0.7	1.3	1.9
CABX low flow nozzle	0.2	0.3	0.6	1.1	1.8	2.2

Running Data



Bar type Ionizer

HDC-AC

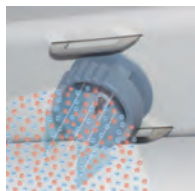
Built-in high-voltage power supply
Seperated high-voltage power supply

CABX
CABS

ELIMINOSTAT

Bar type ionizer ELIMINOSTAT CABX

Stable static elimination over the entire area



Our product can supply large amount of positive and negative ions evenly throughout the static elimination area, it is most suitable to use for electronic devices that needs delicate static elimination.

<image>

Detection on abnormal discharge and spark



The safety feature automatically shuts off the high voltage input when a short-circuit and abnormal high voltage discharge is detected from the emitter needle.

<image>

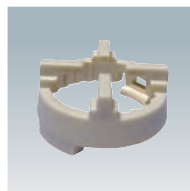
Improvement in Air Consumption

Small flow type nozzle reduces the air consumption by 60% comparing with other SSD products. It supports powerful and stable static elimination. The nozzle is replaceable and easy to install and detach from the device.

Optional Components

By using glass emitter needle and silicon emitter needle to operate in an environment where slight dust is not allowed.

- AC Adaptor : OCAB-DA2 (voltage AC100V ~ 240V)
- Intermediate Bracket : OCABX-SUSP-A (over 1100mm as a standard spec)
- Power/Signal Cable : OCABX-ENC3M (length : 3m)
- Emitter Needle Guard : KA13232
- Low Flow Type Nozzle L Nozzle
 - Tungsten type : OCABX-NDL-LW01
 - Silicon type : OCABX-NDL-LS01
- High Flow Type Nozzle H Nozzle
 - Tungsten type : OCABX-NDL-HW01
 - Silicon type : OCABX-NDL-HS01



Emitter Nozzle Guard



Image of replacing emitter needle

Bar type Ionizer ELIMINOSTAT CABS

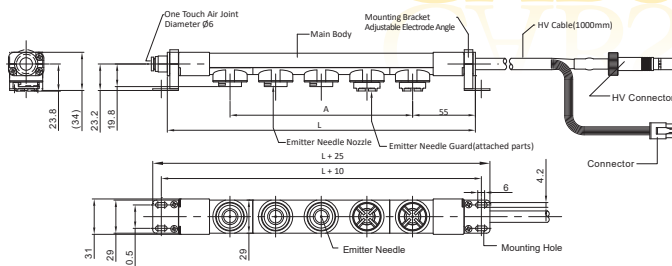


Main Feature

ELIMINOSTAT CABS can be used in a narrow area as the controller and HV power supply are separated.

- Equipped with new features of
 - emitter needle removal detection sensor (Needle Error)
 - signals out when emitter needle is detached during the exchange process.
 - detection of charged object detection sensor (Charge SNS)
- ION detection (Cleaning) notifies the decrease of static elimination performance.
- Electrodes can be manufactured in 110mm. increments and up to 1030mm in 40mm increments.
- More varieties available for products less than 1m.
- Optimized structure increased the static elimination performance by 30% (vs CABX) for the short-distance ionization.

Dimension Diagram



Specifications

Model	CABS-AW-y-z-**** y: CT-TR connection cable L 2:2m, 5:5m z: Power+Signal cable L 2:2m, 5:5m ****: Length of Bar L 110 ~ 1030mm (40mm/pitch)
System	Electrode CABS-D BW -xxxx < * 1 > Controller CABS-CT1 -xxxx < * 1 > HV Power Supply CABS-TR1
Ion Generation	Corona Discharge
Electrical Specification	Input Voltage DC24V±5% Electric Consumption 12VA Output Voltage ± 8kV _{0-p}
Air Tube Size	Diameter φ 6 Air Tube
Maximum Air Pressure	0.5MPa
Supplied Air	Clean Dry Air
Ion Balance	Within ±30V
Decay Time Performance	Within 1.0sec (Distance 300mm, Air Pressure 0.3MPa, Electrode Length 350mm)

<*1> Bar length included, and it is available for same length model controller.

Specifications

Sensor	Details
HV Error	minor electrical discharge or over current detected
Needle Error	emitter nozzle or needle detached
Cleaning	decrease of ion generation detected
ChargeSNS	detection of charged object

system configuration
controller dimension diagram
ionizing area

check our website
for details

