

Product Informations

Our Product Lineup

HDC-AC type



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Feature of the product

HDC-AC technology provides stable and long-term static elimination capabilities. We have designed an ionizer that does not require cleaning over the long term.

- 1) 30% increase in capabilities
- 2) Long-term stability of static elimination capabilities
- 3) Decrease in emitter needle abrasions
- 4) Ultra low ozone
- 5) Superior ion balance
- 6) Minimum flow type nozzle
- 7) Cleaning timer
- 8) Emitter needle variations
- 9) Safety features

-30% improvement in static elimination times and product sizes (compared to Shishido Electrostatic's existing products)

The CABX is the next generation of Shishido Electrostatic's existing CABX model. A 30% improvement over the existing product has been achieved with increased static elimination times and downsizing of the product. This is the industry's leading static elimination ionizer.

-Simplified low-flow type emitter needle nozzle for air consumption

Two types of emitter needle nozzles are available: the usual nozzle for air consumption and a low-flow type nozzle for compressed air consumption.



High-flow type H nozzle (4 holes) Low-flow type L nozzle (2 holes)

Nozzles can be easily replaced.



Exchange of the emitter needle (Image)

-Cleaning timer function that indicates the cleaning time

An LED will light up when the timer had been set in advance and will indicate the cleaning time. The client can set the time when the light will appear. (9 patterns, 100-1000 hours and option not to set the light.)

-Emitter needle variations

We provide needles that collect less dust, glass emitter needles and silicon emitter needles to respond to static elimination in environments in which little dirt is permitted.

-Maintaining safety

Safety is maintained during use through the detection of minute electrical discharges and the low-voltage wiring input of the DC24V.

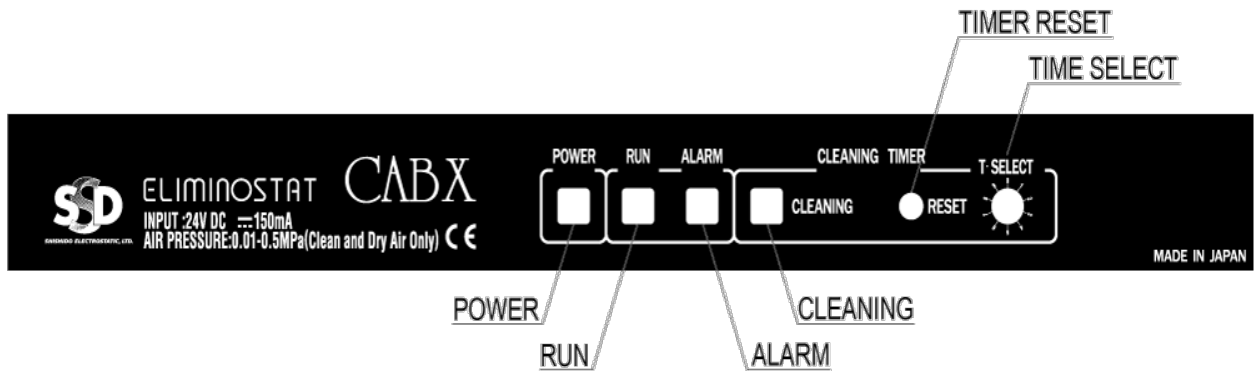
-Safety features detect abnormal discharges and sparks

This safety feature automatically detects abnormal high-voltage discharge and shuts down the input such as when there is a short circuit in the ionizer's emitter needle.



*** Image ***

Indicator Panel



Display explanation

POWER	The LED is lit while the power is turned on.
RUN	The LED is lit under normal operations.
ALARM	The LED lights up when a minute electrical discharge occurs in the emitter needle of the high-voltage main body or when an in-circuit current surge occurs.
CLEANING	When the approximate operating time exceeds that set using T•SELECT, a yellow LED lights up. It will stay lit until the RESET button is pressed.
TIMER RESET	To turn off the CLEANING LED.
T•SELECT	To select the approximate operating time before the CLEANING LED lights up.

Models according to electrode dimensions



Please state the length of the electric pole and type of emitter needle required, along with the product model when placing your order with Shishido Electrostatic.

CABX□□□□-□□

Length and nozzle type

- Lengths are 350-3100mm (250mm pitch)
- Nozzle flow H or L
- Emitter needle material W, S or G

Examples

Length 1850mm,
high flow tungsten emitter needle:
CABX1850-HW
Length 600mm,
low-flow silicon emitter needle:
CABX600-LS

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

Optional parts to support easy static elimination

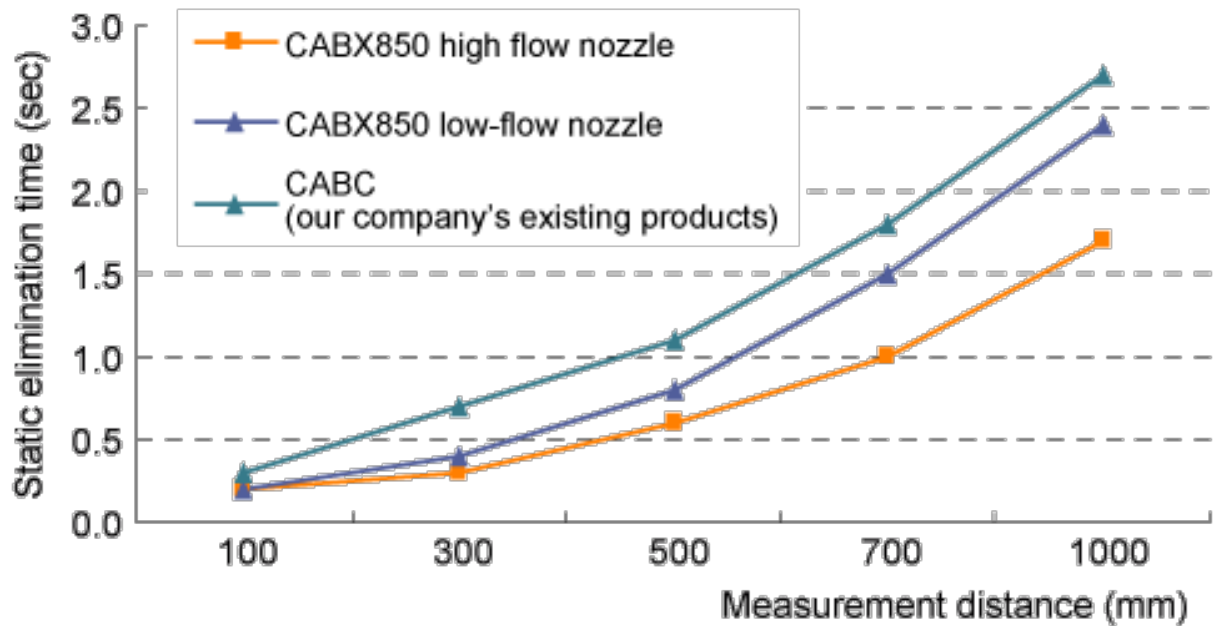
Optional parts to support easy static elimination	
CABX custom AC adapter	OCAB-DA2 (input voltage AC100V-240 V)
Intermediate bracket	OCABX-SUSP-A (over 1100 mm comes as standard equipment)
Power supply and signal extension cable	OCABX-ENC3M (length : 3 m)
Low-flow type L nozzle	Tungsten emitter needle type : OCABX-NDL-LW01 Silicon emitter needle type : OCABX-NDL-LS01 Glass emitter needle type : OCABX-NDL-LG01
High-flow type H nozzle	Tungsten emitter needle type : OCABX-NDL-HW01 Silicon emitter needle type : OCABX-NDL-HS01 Glass emitter needle type : OCABX-NDL-HG01



Intermediate bracket

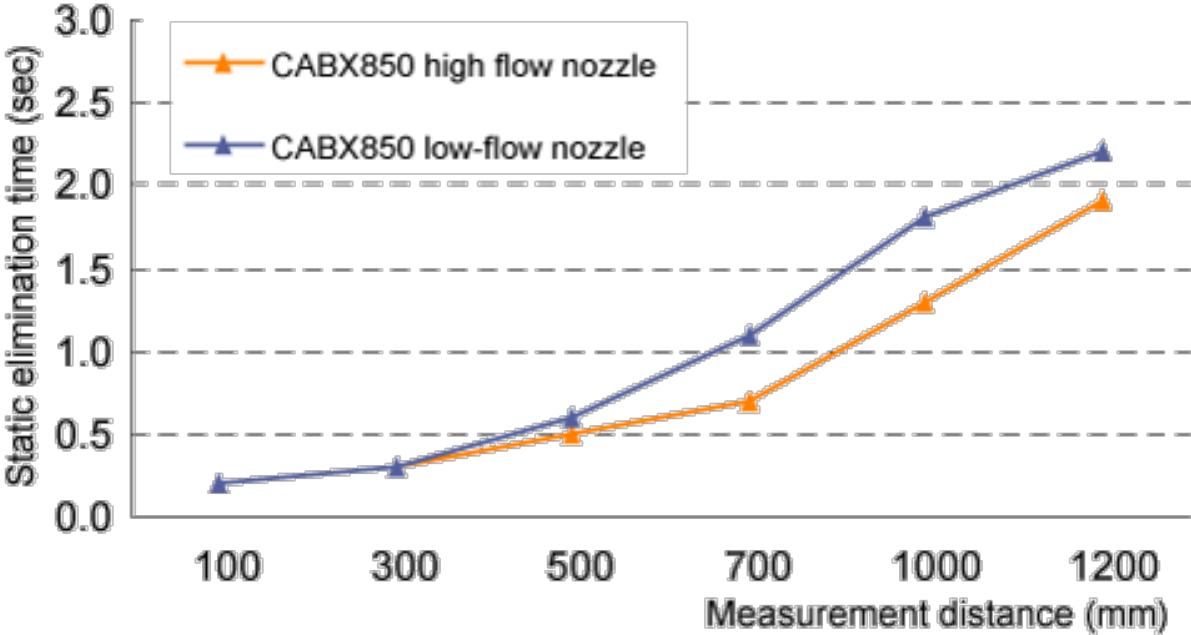
Static Elimination Features

CABX850mm, air pressure: 0.3 MPa



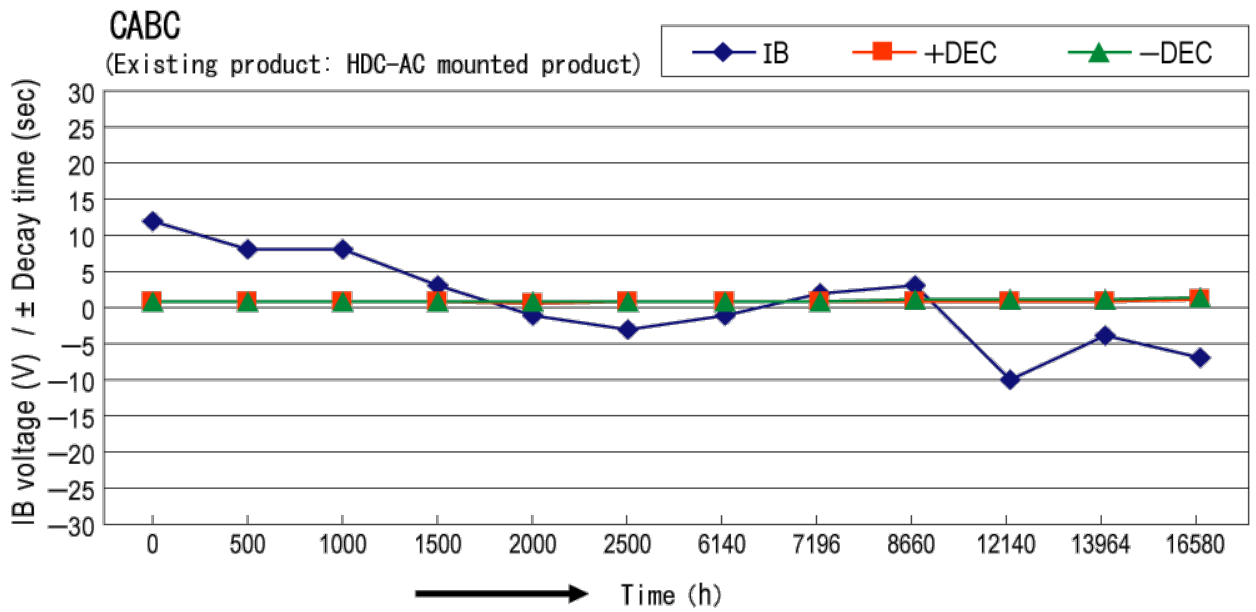
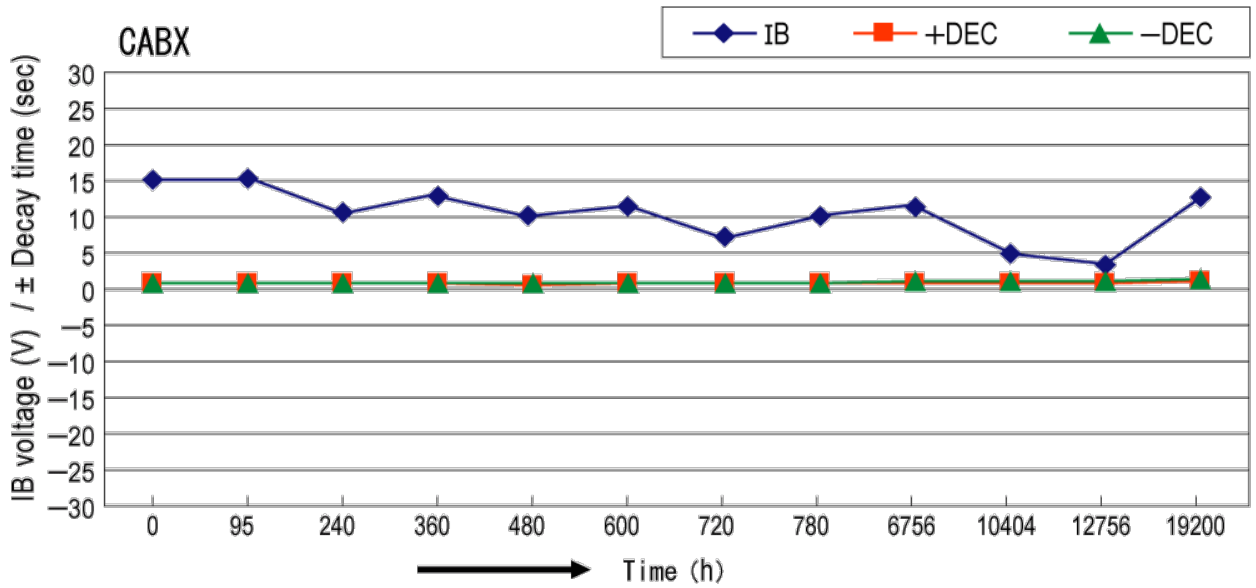
Measurement distance (mm)	100	300	500	700	1000
CABX high flow nozzle	0.2	0.3	0.6	1.0	1.7
CABX low-flow nozzle	0.2	0.4	0.8	1.5	2.4
CABC (our company's existing products)	0.3	0.7	1.1	1.8	2.7

CABX850mm, air pressure: 0.5 MPa



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

Running Data



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Specification

CABX

Model	ELIMINATOR CABX
Ion generation method	Corona discharge method (HDC-AC)
Input power supply	DC24 V \pm 5 %
Output voltage under abnormal circumstances	No voltage contact output (by normal close MOSFET relay)
Unit dimensions	350 to 3100×92×29 mm (W×H×D)
Air supply range	Less than 0.5 MPa
Ion balance	Within \pm 30 V (distance 300 mm, air pressure 0.3 MPa at time of supply)
Operating environment	Surrounding temperature: 5 to 40 °C , surrounding humidity: 15% to 85% (no condensation) Air supply: clean dry air
Accompanying items	Operation manual, mounting bracket, power supply and signal connector cable (3 m), intermediate bracket (over 1100 mm)