

Fan Type




F-6RCL-E/F-6RST-E
Compact and free installation
Pinpoint neutralization
Decay time 3.0 sec or less



F120R-E
Butterfly louver realizes
high-speed neutralization
Decay time 1.5 sec or less



F120S-E
Silent fan model
with mild airflow
Decay time 2.5 sec or less



CF300-E
Wide area neutralization
Easy cleaning of needle electrode
Decay time 1.5 sec or less



L-90-E
Efficient static electricity removal
in the versatile application
Decay time 1.5 sec or less

Why is VESSEL's fan type our customer's top choice?

1

High neutralization performance through efficient ion generation

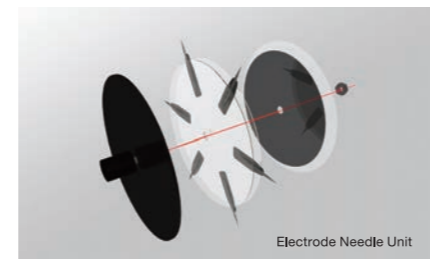
The high frequency piezoelectric transformer generates large volumes of ions, and eliminates losses caused by recoupling.



2

Advanced control technology with steady ion balance

The capacity coupling type electrode needle ensures a stable ion balance, and prevents static destruction of the semiconductor.



3

Louver cover improves serviceability

The cover can be easily removed allowing the electrode needle to be cleaned where it will not contaminate the work environment.



Ionizing Mini Fan with clip

Clip onto workbench or pillar for pinpoint neutralization

F-6RCL-E



Low noise Fan

EDP No.621662

High Voltage Transformer Piezoelectric high-frequency AC corona discharge	Ion balance within ± 10 V	Decay time 3.0 sec or less
Power supply DC24V	Fan Speed HI/LOW	LED illumination
AC adapter 100-240V included	Needle electrode unit replacement	ALARM FAN LOCKUP
		ALARM H.V.

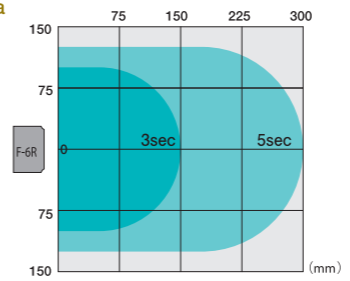
- ▶ Install anywhere
- ▶ Easily remove louvers
- ▶ Confirm operation status and electrode tip contamination with built-in light.



Specifications

Model No.	F-6RCL-E
Ionizing method/Applied voltage	Piezoelectric high-frequency AC corona discharge/AC 3.5kV
Power supply and current consumption	DC24V $\pm 5\%$ / 210mA(typ.)
Ion balance	within ± 10 V (150mm at front)
Decay time	3 sec or less (150mm at front)
Operating distance	150 mm to 600 mm
HxWxDmm	H254xW77xD108mm(clip included)
Weight	514g
Airflow	0.78m ³ /min (Maximum flow rate)
Noise level	HI 53 d BA / LO 42 d BA
Ozone production	0.05ppm or less (measured 50mm)
Operating environment temperature and humidity	5°C to 40°C/35% to 65% RH (with no dew condensation or freezing)
Accessories	AC adapter AD24-ITF6E, AC cable (1.8m)

Decay area



Accessories
AC Adapter **AD24-ITF6E** EDP No.806138
I/P : AC100V-240V 0.4A
O/P : DC24V 0.75A

Ionizing Mini Fan with stand

Compact fan can be installed anywhere for pinpoint neutralization

F-6RST-E

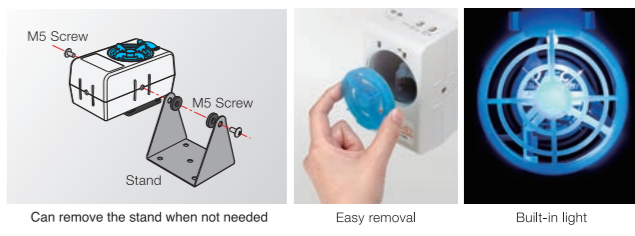


Low noise Fan

EDP No.621663

High Voltage Transformer Piezoelectric high-frequency AC corona discharge	Ion balance within ± 10 V	Decay time 3.0 sec or less
Power supply DC24V	Fan Speed HI/LOW	LED illumination
AC adapter 100-240V included	Needle electrode unit replacement	ALARM FAN LOCKUP
		ALARM H.V.

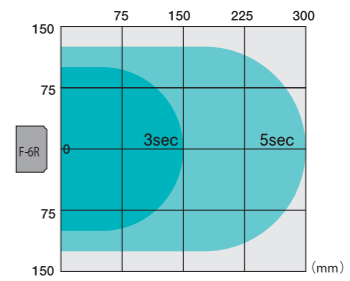
- ▶ Install anywhere
- ▶ Easily remove louvers
- ▶ Confirm operation status and electrode tip contamination with built-in light.



Specifications

Model No.	F-6RST-E
Ionizing method/Applied voltage	Piezoelectric high-frequency AC corona discharge/AC 3.5kV
Power supply and current consumption	DC24V $\pm 5\%$ / 210mA(typ.)
Ion balance	within ± 10 V (150mm at front)
Decay time	3 sec or less (150mm at front)
Operating distance	150 mm to 600 mm
HxWxDmm	H142xW90xD81mm(stand included)
Weight	460g
Airflow	0.78m ³ /min (Maximum flow rate)
Noise level	HI 53 d BA / LO 42 d BA
Ozone production	0.05ppm or less (measured 50mm)
Operating environment temperature and humidity	5°C to 40°C/35% to 65% RH (with no dew condensation or freezing)
Accessories	AC adapter AD24-ITF6E, AC cable (1.8m)

Decay area



Accessories
AC Adapter **AD24-ITF6E** EDP No.806138
I/P : AC100V-240V 0.4A
O/P : DC24V 0.75A

Ionizing Fan

Butterfly louver, for neutralization in a wide area

F120R-E



EDP No. 621651

High Voltage Transformer Piezoelectric high-frequency AC corona discharge	Ion balance within ± 10 V	Decay time 1.5 sec or less
Power supply DC24V	Fan Speed HI/MD/LO	AC adapter 100~240V included
Needle electrode unit replacement	ALARM FAN LOCKUP	ALARM H.V.
External grounding terminal		

- ▶ Butterfly Louver. Press outer side to disperse air. Press center to let air out straight.
- ▶ Apparent indication of operating status: 2-color LED illuminates red when errors or malfunction occurs.
- ▶ Easy maintenance. The needle electrode unit is set into the front cover.

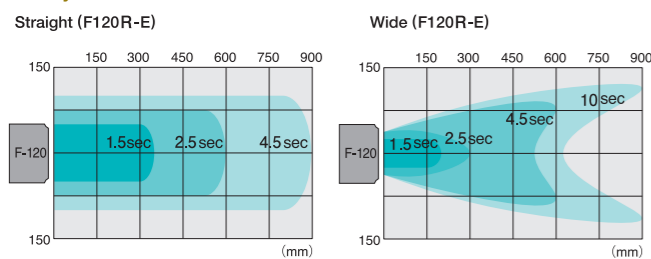


Butterfly Louver RUN lamp LED Front cover with needle electrode

Specifications

Model No.	F120R-E
Ionizing method/Applied voltage	Piezoelectric high-frequency AC corona discharge/AC 10kV (p-p)
Power supply and current consumption	DC24V $\pm 5\%$ / 700mA(max.)
Ion balance	within ± 10 V
Decay time	1.5 sec or less
Operating distance	150 mm to 900 mm
HxWxDmm	H198xW162xD70mm
Weight	0.9kg
Airflow	3.66m ³ /min (Maximum flow rate)
Noise level	HI : 55dBA / LO : 49dBA
Ozone production	0.05ppm or less (measured 50mm)
Operating environment temperature and humidity	5°C to 40°C/35% to 65% RH (with no dew condensation or freezing)
Accessories	AC adapter AD24-ITE AC cable (1.8m)

Decay area



Accessories



Ionizing Fan

Silent fan model with mild airflow

F120S-E



EDP No. 621646

High Voltage Transformer Piezoelectric high-frequency AC corona discharge	Ion balance within ± 10 V	Decay time 2.5 sec or less
Power supply DC24V	Fan Speed HI/MD/LO	AC adapter 100~240V included
Needle electrode unit replacement	ALARM FAN LOCKUP	ALARM H.V.
External grounding terminal		

- ▶ Butterfly Louver. Press outer side to disperse air. Press center to let air out straight.
- ▶ Apparent indication of operating status: 2-color LED illuminates red when errors or malfunction occurs.
- ▶ Easy maintenance. The needle electrode unit is set into the front cover.

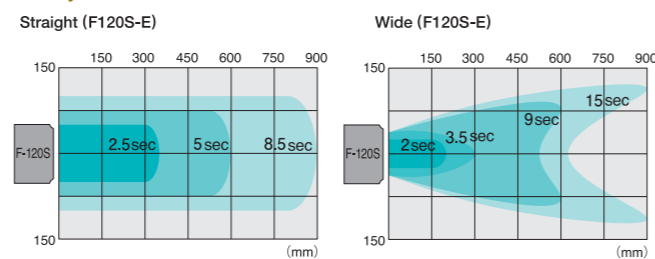


Butterfly Louver RUN lamp LED Front cover with needle electrode

Specifications

Model No.	F120S-E
Ionizing method/Applied voltage	Piezoelectric high-frequency AC corona discharge/AC 10kV (p-p)
Power supply and current consumption	DC24V $\pm 5\%$ / 500 mA (max.)
Ion balance	within ± 10 V
Decay time	2.5 sec or less
Operating distance	150 mm to 900 mm
HxWxDmm	H198xW162xD70mm
Weight	0.9kg
Airflow	2.21m ³ /min (Maximum flow rate)
Noise level	HI : 51dBA / LO : 44dBA
Ozone production	0.05ppm or less (measured 50mm)
Operating environment temperature and humidity	5°C to 40°C/35% to 65% RH (with no dew condensation or freezing)
Accessories	AC adapter AD24-ITE AC cable (1.8m)

Decay area



Accessories



Ionizing Cross-Flow Fan

Wide area neutralization Evenly, straight, and far

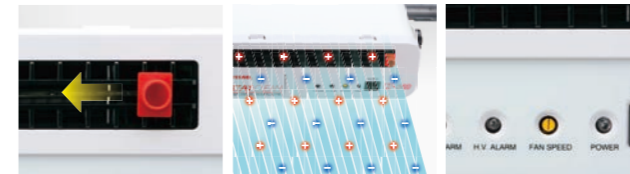
CF300-E



EDP No. 621657

High Voltage Transformer Coiled transformer AC corona discharge	Ion balance within ± 10 V	Decay time 1.5 sec or less
Power supply DC24V	No-step airflow volume changeover	AC adapter 100~240V included
ALARM FAN LOCKUP	ALARM H.V.	External grounding terminal

- ▶ Superior ionizing performance with a combination of a cross-flow fan for neutralization in a wide area and of a front cover for straight neutralization.
- ▶ Easy maintenance of needle electrode with a brush that can be slid by a finger.

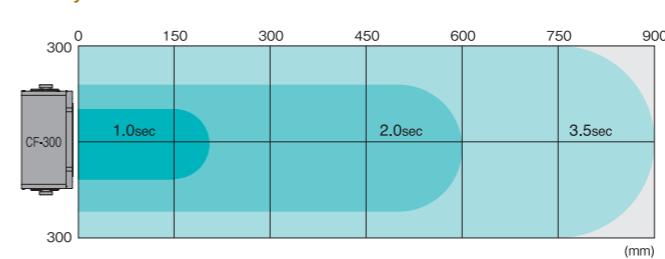


Cleaning Brush Cross-Flow Fan Stepless adjustment of fan speed

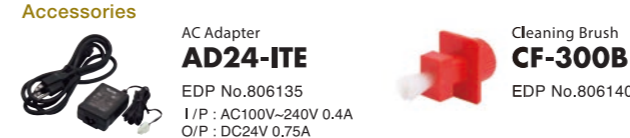
Specifications

Model No.	CF300-E
Ionizing method/Applied voltage	High voltage AC(20KHz) corona discharge / AC 9.2kV(p-p)
Power supply and current consumption	DC24V $\pm 10\%$ / 500 mA (max.)
Ion balance	within ± 10 V
Decay time	1.5 sec or less
Operating distance	150 mm to 900 mm
HxWxDmm	H157xW348xD165
Weight	2.9 kg
Airflow	2.5m ³ /min (Maximum flow rate)
Noise level	48dBA (at 1m, Maximum flow rate)
Ozone production	0.05ppm or less (measured 50mm)
Operating environment temperature and humidity	5°C to 40°C/35% to 65% RH (with no dew condensation or freezing)
Accessories	AC adapter AD24-ITE AC cable(1.8m) Cleaning brush

Decay area



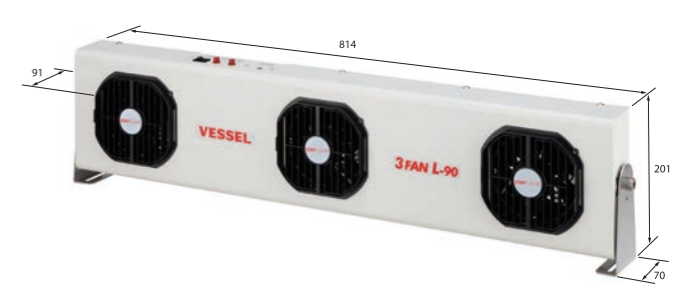
Accessories



Overbench Ionizing Fan

Efficient static electricity removal in the versatile application

L-90-E



EDP No. 621628

High Voltage Transformer Piezoelectric high-frequency AC corona discharge	Ion balance within ± 10 V	Decay time 1.5 sec or less
Power supply DC24V	No-step airflow volume changeover	AC adapter 100~240V included
Needle electrode unit replacement	ALARM FAN LOCKUP	ALARM H.V.
External grounding terminal		

- ▶ Butterfly louver for flexible setting of ionizing area.
- ▶ Unique capacitive-coupled needle electrode for stable and long-lasting ionizing performance.
- ▶ Easy maintenance.

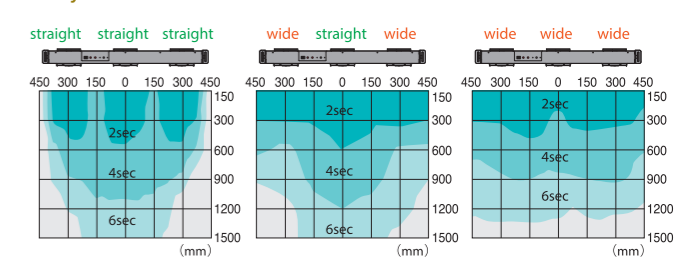


Butterfly louver Capacitive-coupled needle electrode

Specifications

Model No.	L-90-E
Ionizing method/Applied voltage	Piezoelectric high-frequency AC corona discharge/AC 9.5kV(p-p)
Power supply and current consumption	DC24V $\pm 5\%$ / 3.0A (max.)
Ion balance	within ± 10 V
Decay time	1.5 sec or less
Operating distance	150 mm to 900 mm
HxWxDmm	H182xW814xD91 (with stand : H201xW880xD91)
Weight	4.7kg
Airflow	7.1m ³ /min (a total of 3 fans) (Maximum flow rate)
Noise level	75.4 dBA (at 1m, Maximum flow rate)
Ozone production	0.05ppm or less (measured 50mm)
Operating environment temperature and humidity	5°C to 40°C/35% to 65% RH (with no dew condensation or freezing)
Accessories	AC adapter AD24-IT37E AC cable (1.8m)

Decay area



Accessories

