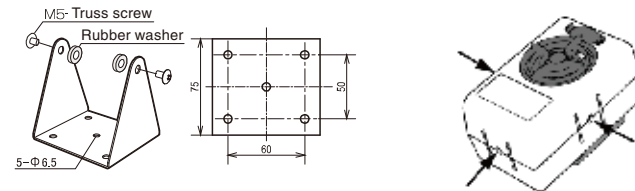


**How to mount**

- 1 The unit can be mounted onto structures or cell-production benches by the 5 screw holes (φ6.5mm) on the bottom of the stand.
- 2 If the stand is detached, there are screw holes (M5 x P0.8) on the three surfaces of the unit. It can be mounted by a jig or other means.



**Specifications**

Model No.	No.F-6BF-E
Ionizing method	High voltage AC corona discharge
Applied voltage	3.5kV AC
Input voltage/Currency	24 V DC ±5% 180mA (typ.)
Dimensions	H 131 x W 77 x D 81 mm (not including stand)
Weight	360g (not including stand)
Air speed	HI 0.36m/s LO 0.19m/s (Measured at 300mm)
Noise	HI 44.5dB LO 40.0dB (A-weighting, Measured at 300mm)
Decay time	Airflow HI ±1000V→±100V within 8.0sec. (Measured at 300mm) Airflow LO ±1000V→±100V within 16.3sec. (Measured at 250mm)
Ion balance	Within ±10V (At the time of factory shipment. Measured at 150mm)
Operating distance	150~300mm
Place of use	Indoor, Non-hazardous place
Generated ion volume	0.05ppm or less (Measured at 50mm)
Display lamps	Operation Lamp (Yellow LED), Stop due to fan lock (Red LED), High voltage alarm (Red LED)
Protective function	Over current protection fuse (1.0A) Reverse-current connector protection diode (60V/1A)
Safety function	Fan motor rotation monitoring function (Detecting rotation lock) High-voltage output shut down function (overload detection) Front cover safety device (circuit cut off when open)
Operating temp./humidity	5~40°C/35~65%RH (No dewing or freezing)
Storage temp./humidity	0~60°C/35~85%RH (No dewing or freezing)
JAN	4907587031679
Code No.	621677

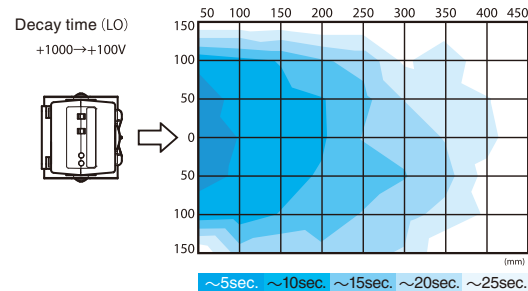
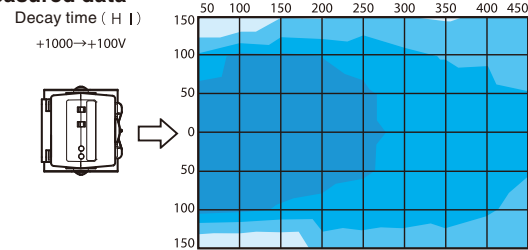
**Materials**

Casing	Frame-retardant ABS resin
Louver	Frame-retardant PC resin
Stand	Stainless steel
Discharge needle	Inconel

**Accessory AC Adapter No.AD24-ITF6E**

Rated input voltage	100VAC - 240VAC (50/60 Hz) 0.4A
Rated output voltage	24VDC 0.75A
Working temp./humidity	0~40°C·10~85%RH (No dewing or freezing)
Cable length	DC output cable: approx.1.8 m AC input cable: approx.1.8m
Weight	122g

**Measured data**



※The measurement values were obtained under our measurement conditions. The actual values may differ depending on the environment.

**Warning**

- For your safety, read the instruction manual carefully before using this product.
- Never use this product in hazardous area requiring explosion proof measures.
- A high voltage is applied on this product. Make sure that water, oil, etc., do not come in contact.
- Avoid condensation as it can result in electric shock or product damage.
- Keep away metal objects such as tools or wires, or body parts such as fingers, hands, or face from the discharge needle due to applied high voltage.

**VESSEL Co., Inc.**

17-25,Fukae-Kita 2-chome,Higashinari-ku, Osaka 537-0001 JAPAN  
Tel:+81(0)6 6976 7778 Fax:+ 81(0)6 6972 9441  
E-mail:export@vessel.co.jp URL:www.vessel.co.jp/english/

**VESSEL EUROPE**

contact@vessel-europe.com  
www.vessel-europe.com

**Distributed by**

●Specifications, dimensions, and others may be subject to change without prior notice. 23090023.000

Exquisite wind for secure ion transfer without scattering dust.

Very Silent  
**44.5**  
dBA or less

Measured value (Airflow: HI): A-weighting, Measured distance: 300mm  
40dBA (Airflow: LO)

**STAT-CLEAN F-6BF-E**

**Ionizing Mini Fan**

**No.F-6BF-E**

Code No.621677



*Light Breeze*






Exquisitely balanced wind transferring ions to the charged products but not scattering dust.

# Ionizing mini fan suitable for use on a desk!

The controls are located on the top surface.

- Power switch / Failure display

When the power switch of the main unit is turned on, the operation lamp (yellow) inside the unit lights up and the ion air blow starts.



※ Ion air blow can be switched between two different air speeds (HI/LO) with the air volume switch.

Reduces performance deterioration

- Rear filter

A filter on the back reduces dust adhesion to the inside of the fan and to the needle electrodes, reducing the frequency of needle cleaning.



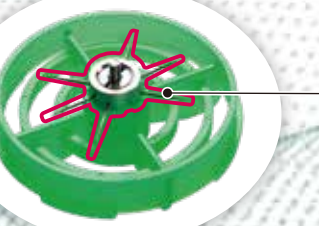
- Can change the airflow direction upward or downward.
- Palm-size

Safety function

- Stopper

The machine will not operate unless the stopper is mounted, because of the safety mechanism.

6 needles



Special needle structure

- Needle electrode unit

Instead of the conventional equally spaced 4-needle structure, it has a 6-needle structure with a special arrangement like cat's whiskers. Sufficient static elimination performance can be ensured even at low wind speeds, which are normally difficult to achieve.

Width 83 mm  
Depth 81 mm  
Height 142 mm (Stand is included)

## Users' voice

- Small plastic workpieces no longer fly off during conveyance, and the equipment no longer stops due to conveyance failure.
- Unlike the conventional fan type with which the operator may feel cold during operation, there is no sensation of wind with this new model, so the operator no longer has to change the airflow direction or operate the power supply.
- The compact width allows the product to be placed anywhere on a desk, and it is easy to grab and change the mounting place.
- The inspection process requires the concentration of all five senses, so even the slightest vibration or noise is distracting, but with this product, this is no longer an issue at all.

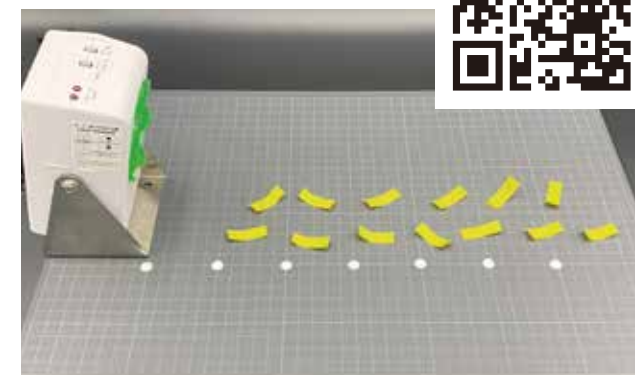
## Differences from conventional models

- Can be used at a short distance of 250mm "on the work desk" in the product inspection process, etc.
- Wind and noise are reduced compared to the conventional model (F-6RST) by using a "DC fan" with less than half the air volume.
- The color of LEDs has been changed to yellow, which is less tiring to the eyes even after long hours of viewing and which reduces the burden on the eyes.
- Needle electrode unit is changed to a six-needle type with a special arrangement so that it can work well even at low wind speeds.


Dust adhesion

## Light breeze reduces dust diffusion.

Not only static electricity, but also wind from the fan will cause dust to adhere to on the workpiece. The light breeze reduces dust diffusion and improves the defect rate, which is a concern with fan-type ionizers.



See demo video.



Airflow

## Dry eyes, debris in eyes, chilly wind, movement of workpiece... No more complaints!

Airflow, which is uncomfortable for workers, is "reduced by about 60% compared to the conventional model (F-6RST)!" Prevents the problem that workers turn off the ionizer or change the airflow direction without permission due to the discomfort caused by the wind.



Noise

## Surprisingly silent! Noise level 45dBA or less

As quiet as a library, the machine noise is not bothersome even when used in the inspection process.

Very Silent  
44.5 dBA or less



ESD countermeasure

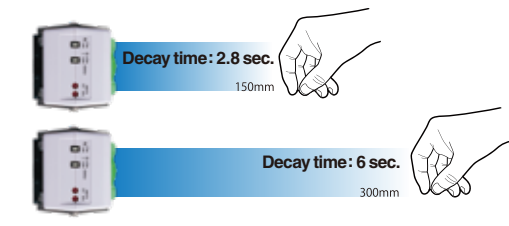
## For measures against ESD that causes malfunctions! Ion balance within ±10V

Can be used at sites where not only high static elimination performance but also good ion balance is required for ESD countermeasures.



## Reliable ionizing performance! Sufficient ionizing capability at short distances

Eliminates the static electricity at a distance of 150 mm in 2.8 seconds and at a distance of 300 mm in 6.0 seconds. (Reference values when airflow is HI)



## Comes with a stand perfect for tabletop! Small size. Light breeze. Can be placed anywhere.

Conventionally, fan type requires careful consideration of placement location to prevent wind from blowing on workers, but this compact type with less unpleasant wind can be placed at any desired location on a tabletop.



※ For the installation distance, please refer to the measurement data of the straight airflow.