

## High frequency ion fan KF-21AW



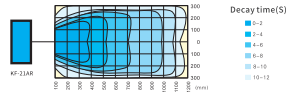
### Technical Parameters

Category	Parameters	Category	Parameters
Model	KF-21AW	Air volume	2.56-4.07m³/min
Input voltage	DC24V	Ozone concentration	0.03ppm(distance 150mm)
Ion balance	Automatic ion balance system 0±10V	Working temperature	0-40°C
Working voltage	AC method/±2200V	Working humidity	30-70%RH(No condensation or water droplets)

**Test conditions** working voltage:DC24V testing voltage: ±1000V ±100V Temperature: 23°C±2°C

Distance	Decay time (+/-)	Ion balance (+/-)
300mm	1.0s/-1.5s	0±5V
600mm	2.0s/-3.0s	0±10V
900mm	3.5s/-4.5s	0±20V

- Remark:**
1. Testing method: Using charged plate monitor to test.
  2. Decay time means with the maximum air volume from ±1000V to ±100V.
  3. Test in the central area of the front air window.

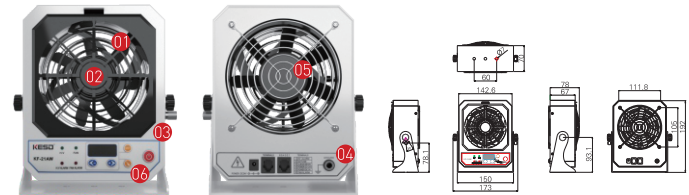


### Features

- 01 Automatic cleaning function for discharge needles and reverse fan design to avoid the recontamination after cleaning.
- 02 With wireless network monitoring, real-time monitoring via wireless receiver and transmitter (temporarily unused)
- 03 According to the workshop environment level, there is setting timer from 0-999 hours of automatic cleaning, as well as the LED display of setting time.
- 04 Automatic ion balance system, and the ion balance can be reached within 0±5V.
- 05 Lock function of the whole machine (refer to the button function description).
- 06 With abnormal operation alarm system.

### Ionizing air blower KF-21AW

Dimension /178×142.6×78mm(without stand) Weight /1.5kg (including stand)



#### 01 Front window (KF-21AW-BH)

The front window can be flexibly disassembled, then automatically power off. Built-in automatic cleaning discharge needle structure, maintenance-free. The brush made of special materials make cleaning more thorough.

Accessory, can be purchased separately.

#### 02 Discharge needle (KF-21AW-Z3)

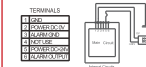
Discharge needle parts can be disassembled for replacement and maintenance. Tungsten alloy discharge needle with 99.99% tungsten content. Each needle produces both positive and negative ions, enabling an electronic balance system.

Accessory, can be purchased separately.

#### 03 Housing

Made of anti-static ABS material.

#### 04 Rear label



#### 05 Rear window

Metal window mesh can be easy disassemble.

#### 06 Operation panel and function setting buttons

- 1) Press the power switch after power on.
- 2) Restart after power off, no need to reset button.

- FAN fan normal operating condition
- HV fan abnormal operating condition
- HV NORMAL HV normal working condition
- FAN ALARM HV abnormal working condition

Adjustable fan air speed with seven levels- F-01-F-07

Adjustable cleaning time setting from 0 hour to 999 hours- H000-H999

Lock function of the whole machine

Unlock function of the whole machine

Cleaning of discharge needles

Air volume and cleaning time settings switch

Manual cleaning button  
Press the button when immediate cleaning is needed. After fan reverses, cleaning ends.

Air volume increment button with 7 levels. Cleaning time setting: 0-999 hours

Air volume decrement button with 7 levels  
Cleaning time setting: 0-999 hours

Press '+' and '-' for more than 5 seconds, the whole machine is automatically locked. Then press them for another 5 seconds at the same time, the whole machine is automatically released.