

## High frequency ion fan

## KF-21AW-6P



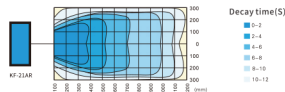
## Technical Parameters

Category	Parameters	Category	Parameters
Model	KF-21AW-6P	Air volume	2.44-5.1m³/min
Input voltage	DC24V	Ozone concentration	0.03ppm(distance 150mm)
Ion balance	Automatic ion balance system 0±20V	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-6P

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)

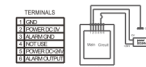
Discharge needle parts can be disassembled for replacement and maintenance. Tungsten alloy discharge needle with 99.99% tungsten content. Each needle produces both positive and negative ions, enabling an electronic balance system.

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

- 001 Adjustable fan air speed with seven levels-F-01-F-07
- 0999 Adjustable cleaning time setting from 0 hour to 999 hours-H000-H999
- 004 Lock function of the whole machine
- 005 Unlock function of the whole machine
- 0055 Cleaning of discharge needles
- 00555 Air volume and cleaning time settings switch
- 005555 Manual cleaning button
- 0055555 Press the button when immediate cleaning is needed. After fan reverses, cleaning ends.
- 00555555 Air volume increment button with 7 levels. Cleaning time setting: 0-999 hours
- 005555555 Air volume decrement button with 7 levels. Cleaning time setting: 0-999 hours
- 0055555555 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.