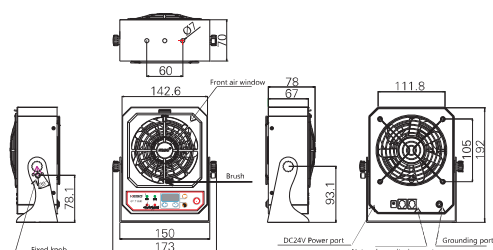


High frequency ion fan KF-21AW



1. Auto clean, maintenance free.
2. Have network monitoring function to conduct real time monitoring.
3. Can set auto clean time freely through the LED display.
4. Lock function for entire machine.
5. Automatic ion balance system can reach $0 \pm 10V$.

Appearance drawing



Function Introduction

- Auto clean for the discharge needle
- Seven segment air volume switch
- Shell electrostatic spraying treatment
- Lock function for entire machine
- Fan abnormal alarm
- High voltage alarm
- Set the status display window
- LED display

Specification

Technical parameters			
Product model		KF-21AW	
Input power supply		DC24V	
LED indicator	Fan normal operation	If the fan operates normally, the green indicator light is on.	
	Fan abnormal operation	If the fan operates abnormally, the red indicator light is on.	
	High voltage normal	If high voltage operates normally, the green indicator light is on.	
	High voltage abnormal	If high voltage operates abnormally, the red indicator light is on.	
Ion balance		Automatic ion balance system 0±10V	
Clean time set		Can be set within the range of 0-999 hours	
Voltage impose		High frequency AC method/±2200V	
Air volume		2.56-4.07m³/min	
Ozone concentration		Below 0.03ppm(distance 150mm)	
Environment temperature		0°C-40°C (no condensation)	
Environment humidity		30-70%RH(no water drop condensation)	
Overall size/mm		142.6×78×178(excluding bracket)	
Weight(kg)		1.5kg(excluding bracket)	

Anti-static test condition				
Operating voltage: DC24V Test voltage:±1000V-±100V Ambient temperature: 23°C±2°C				
Distance		300mm	600mm	900mm
Decay time	Positive	1.1s	2.6s	4.0s
	Negative	1.3s	3.3s	5.1s
Ion balance	Positive	< 0±10V		
	Negative			

KF-21AW

Destaticizing time(second)

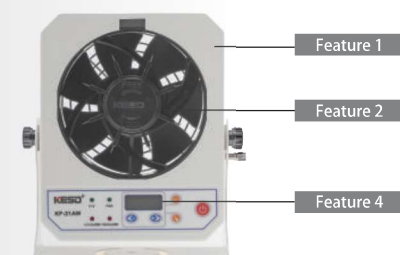
0-2	200-300
2-4	100-200
4-6	50-100
6-8	20-50
8-10	10-20
10-12	5-10

Note:1 The measuring method :Applying 20PF,φ150mm destaticizing monitor and measure according to the company measuring condition.

2. Decay time means from ±1000V-±100V without installing the filter and maximum air volume.

3. Test in the central area of the front air window.

Product features



Main body(front)



Main body(back)

1.Front air window

- ▲ The front air window can be dismantled freely, and the fan is power off automatically.
- ▲ The spray needle structure is cleaned automatically, it is maintenance free.
- ▲ The brush is designed to realize corotation cleaning for 5 seconds and reverse cleaning for 5 seconds.
- ▲ The brush is made of special carborundum material.



2.Spray needle base

- ▲ The spray needle base can be dismantled freely, convenient for replacement and maintenance.
- ▲ The spray needle applies tungsten alloy (tungsten content is 99.9%).
- ▲ Each needle generate positive ions and negative ions.
- ▲ Realize automatic ion balance system.

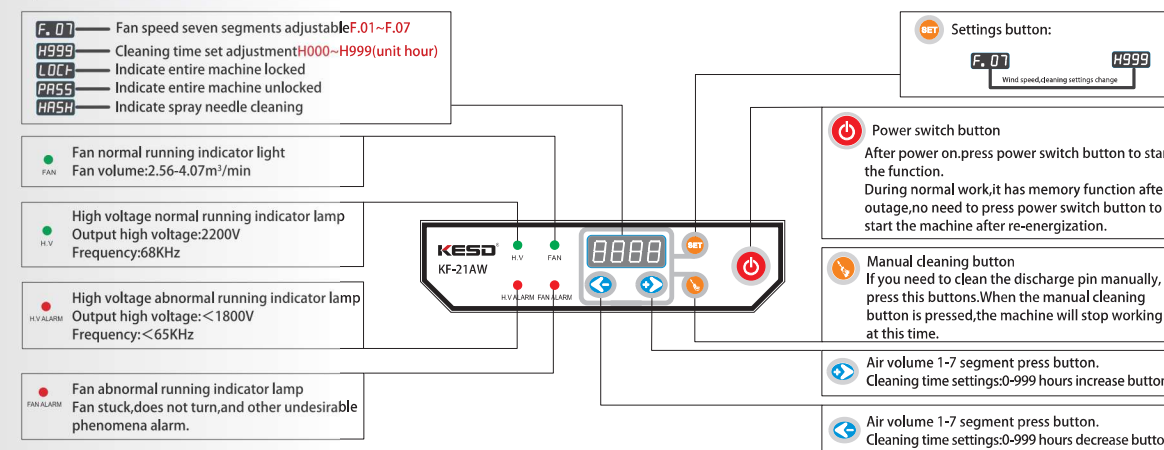


3.Power supply

- ▲ Front panel function explanation.
- ▲ Power supply input:DC24V.
- ▲ Output power:15W.
- ▲ Can realize 1 to 10 multi blowers combination.



4.Operation panel and function introduction



Characteristic

- ▲ Can set, display and manage through support software.
 - ▲ Can monitor fan running conditions real time and can find out cause in case of abnormality occurrence.
 - ▲ Can monitor ion fan quantity up to 50 sets.
 - ▲ The reliable communication distance of single transmitter module is 180 meters and the transmission distance can be derived through repeater.
 - ▲ Can support to monitor the grounding monitoring state of five equipment on EPA work platform simultaneously.
- Note: The launcher and receiver are not in the delivery list and should be purchased additional.

Network monitoring

