

# Air Purifier and Ion Generator Products

Wall mount/Shelf-placement



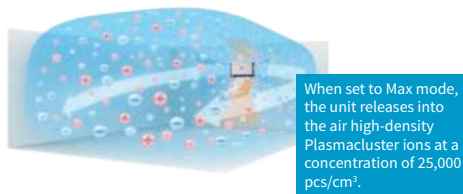
**FU-551K** Recommended Room Size: 40 m<sup>2</sup>



## Air Purification

### Directing Airflow for Maximum Ion-Spreading Efficiency

The left and right air outlets release air current toward the neighboring walls to create an enveloping effect that allows Plasmacluster ions to be carried to every corner of the room. This makes the product highly suited to installation in places where people gather or where food is prepared.



When set to Max mode, the unit releases into the air high-density Plasmacluster ions at a concentration of 25,000 pcs/cm<sup>3</sup>.

### Airflow Direction Adjustable with Louvers

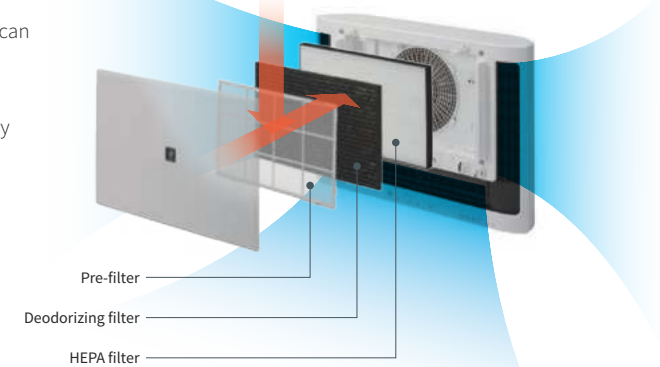
The FU-551K is equipped with vertical and horizontal louvers that allow users to make precise manual adjustments to the airflow direction according to the room layout and the installation position.



## Filtering

### HEPA Filter Catches Fine House Dust

The FU-551K incorporates a high-performance HEPA filter that can collect 99.97% of dust particles as small as 0.3 μm. Of every 10,000 house dust particles containing airborne viruses and allergens, only three escape this filter.




### Options

Name	Units for 1 Air Purifier (3 units included)	Dust Collection Filter	Deodorizing Filter	Stand for Self-Placement
Model	Plasmacluster Ion Generating Unit IZ-C75B3E	FZ-K51HFE	FZ-K51DFE	FZ-K51STE


# Specifications



## Wall-mount / Shelf-placement Plasmacluster Air Purifier

Model		FU-551K
Picture		
Color		White
Recommended air purifying area*1		40 m <sup>2</sup>
Recommended area for high-density Plasmacluster ions*2		25 m <sup>2</sup>
Operation modes		Full / Max / Med / Low
Ion density (Max / Low) (pcs/cm <sup>3</sup> )*3		Approx. 25,000 / Approx. 7,000
Voltage / frequency		220 V-240 V, 50/60 Hz
Rated power (Full / Max / Med / Low) (W)		78 / 24 / 13 / 6.5
Clean Air (fan speed) (Full / Max / Med / Low) (m <sup>3</sup> /hour)		330 / 180 / 120 / 65
Noise level (Full / Max / Med / Low) (dB)		53 / 42 / 35 / 25
Filter type	Dust collection	HEPA*4
	Deodorization	Yes
	Pre-filter	Yes (front and bottom)
Filter life	Dust collection	Up to 2 years*5
	Deodorization	Up to 2 years*6
Senso	Odor	Yes
	Dust	Yes
Clean sign indicator		Yes (3-step)
Power cord length (m)		2.0
Dimensions (W × H × D) (mm)		650×178×440
Weight (kg)		9.1

## Plasmacluster Ion Generator Specialized for Static Elimination

Model		IG-301JF
Picture		
Power supply voltage		DC24 V ±10% / AC100 to 240 V (with adapter)
Consumption current		0.72 A (with DC 24 V power supply)
Static elimination time*7		0.8 sec.
Ion balance*7		±5 V
Operation modes		Full power / High / Med / Low
Airflow volume (Full power / High / Med / Low) (m <sup>3</sup> /min.)		2.9 / 2.2 / 1.5 / 0.7
Airflow speed (Full power / High / Med / Low) (m/sec.)		3.8 / 3.0 / 2.2 / 1.4
External input/output		Static elimination stop input, Alarm output, Warning output
Operating temperature		0 to 50°C
Operating humidity		10 to 85% RH (with no condensation)
Operating environment		Pollution level 2
Weight (kg)		Approx. 1.9
Attachments		Rubber feet, Ground cable, Error indication label

\*1 "Recommended area" is prescribed by the Japan Electrical Manufacturers' Association (JEMI 1467) as the standard size of a room in which air with a dust concentration of 1.25 mg/m<sup>3</sup> can be purified to the concentration of 0.15 mg/m<sup>3</sup> as stipulated by the Building Administration Law when using natural ventilation one time (one time per hour).

\*2 Area in which an emitted airborne ion density of approx. 25,000 pcs/cm<sup>3</sup> can be measured near the center of the room at a height of 1.2 m from the floor during operation at the high airflow setting with the ion generator mounted at a height of 2 m from the floor and in the center of a room wall.

\*3 Approximate figures for density of emitted airborne ions near the center of the room at a height of approx. 1.2 m from the floor during operation at the high airflow setting with the ion generator mounted at the height of 2 m from the floor and in the center of a room wall. The ion density will vary depending on the room conditions and usage methods.

\*4 HEPA is defined by the JEMI1467 standard of the Japan Electrical Manufacturers' Association Standard. The filter removes more than 99.97% of 0.3-micron dust particles.

\*5 Approximate time for the dust collection ability to decrease to 50% of the original ability assuming suction of dust equivalent to the smoke of 10 cigarettes per day (according to standards of the Japan Electrical Manufacturers' Association (JEMI1467)).

\*6 Approximate time for the deodorization ability to decrease to 50% of the original ability assuming suction of dust equivalent to the smoke of 10 cigarettes per day (according to standards of the Japan Electrical Manufacturers' Association (JEMI1467)).

\*7 Measurement conditions:  
 • Distance: 300 mm, center of device  
 • Static elimination time: ±1000V → ±100V  
 • Plate monitor: 150 min x 150 min (20pF)  
 • Airflow volume: Full power

Note: Measurement values are for reference and do not constitute guarantees.