

SHARP

Be Original.

FP-H90
Plasmacluster Air Purifier

For internal use only

Enjoy comfortable and high quality space with SHARP air-purification technology and stylish product design



HIGH-DENSITY 7000

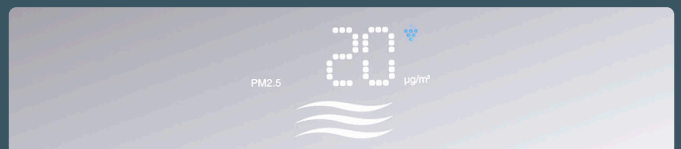


Recommended Room Size:
69 m²



Sophisticated flat touch panel fits with acrylic front panel design. It turns off automatically after 5 seconds.

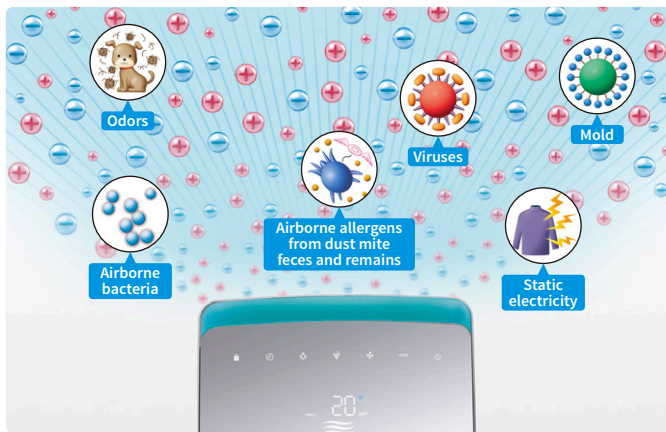
3-digits monitor realizes the visualization of current PM2.5 level.



Three-Step Dust Collection System with Plasmacluster Technology for Everyday Use

1 REMOVE

Plasmacluster Ions Can Remove Mold*¹, Viruses*², Allergens*³, Odors*⁴, and Static Electricity

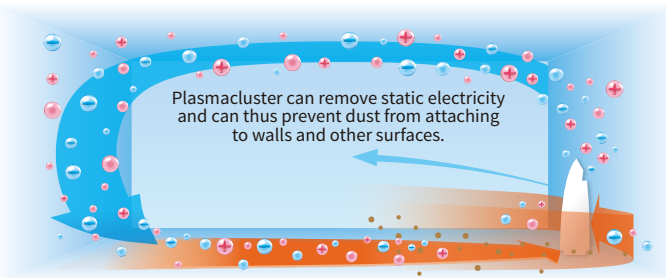


- *¹ 99% of airborne mold was removed in a test space of 31 m³ after 195 min. of use. (tested by Ishikawa Health Services Association)
- *² 99% of airborne viruses were removed in a closed test space of 25 m³ after 18 min. of use. (tested by Pasteur Institute, Ho Chi Minh City)
- *³ Effectiveness in a test space of 31 m³ after four weeks of use (one day: 24 hours). (tested by Hiroshima University Graduate School of Advanced Sciences of Matter)
- *⁴ Effectiveness in a test space of 41 m³ after 80 min. of use. The effectiveness depends on the odor type, odor intensity, and material of object measured. (tested by Sharp)

2 COLLECT

Powerful Air Suction and Unique Airflow Quickly and Efficiently Collect Dust and Other Particles

Faster airflow at a 20° angle collects dust at lower levels in the room for more effective cleaning.



3 CAPTURE

High-Performance Filters Capture Airborne Dust Particles

Removal of Micron-Size Dust Particles Including 0.3-Micron Viruses and Dust Allergens

Dust-Collecting HEPA Filter

No need for replacement for 2 years*
* When smoking five cigarettes a day

Removal of Odors

Deodorizing Filter

No need for replacement for 2 years**
Easy maintenance by simply wiping.
** Deodorizing performance depends on the room conditions.

Capture Microscopic Dust Particles

Micron-Mesh Pre-filter on Rear Panel

No need for replacement
Easy maintenance by simply wiping the filter without detaching it.

Convenient Features for Everyday Comfort

- Haze Mode Powerfully Collects Haze Particles and Keeps the Room Air Clean.
- 3 colors lighting (blue/green/red) to show the air-quality
- 3 digits PM 2.5 monitor
- On/Off Timer function (1-12 hours)
- Child lock function



Specifications

Models	FP-H90	
Color	W (white)	
Recommended area	Air purifying ⁵	69 m ²
Recommended area for high-density Plasmacluster ions ⁶	23 m ²	
Voltage/frequency (V, Hz)	220-240, 50/60	
Power input (max. / med. / sleep) (W)	86 / 21 / 4.5-5.0	
Standby power (W)	0.9	
Airflow (max. / med. / low) (m ³ /hour)	540 / 295 / 87	
Noise level (max. / med. / low) (dB)	51 / 38 / 18	
Filter type	Dust collection	HEPA ⁷
	Deodorization	Yes
	Pre-filter	Yes
Filter life	Dust collection	Up to 10 years ⁸
	Deodorizing filter	Up to 10 years ⁸
Sensor	Odor	Yes
	Dust	Yes
Clean sign indicator	Dust and odor	Yes
Power cord length (m)	Approx. 2	
Plug type	BF	
Dimensions (W x H x D) (mm)	381 x 301 x 820	
Net weight (kg)	13.2	
Replacement filter	HEPA filter	FZ-H90HFE
	Deodorizing filter	FZ-H80DFE

Plasmacluster ion purification	Airborne microbes	Airborne mold	Airborne microbes	Airborne viruses
		Dust mite remain allergens	Dust mite feces allergens	Ammonia odor
Clinging odors	Cigarette odor	Body odor		
Filter purification	Capture and reduction of growth	Airborne microbes	Viruses	Tree pollen
		Dust mite remains	Dust mite feces	
Capture	Airborne mold	Plant pollen	Tree pollen	
	Pet dander	Pet hair	Dust	
	Cigarette smoke	Mite dust	Diesel exhaust	

- ⁵ Recommended room size: Measured based on the JEM1467 standard of the Japan Electrical Manufacturers' Association.
- ⁶ Size of a room in which approximately 7,000 ions can be measured per cm³ in the center of the room (at a height of approximately 1.2 meters from the floor) when the product is placed next to a wall and operated at the medium setting.
- ⁷ HEPA is defined by the Japan Electrical Manufacturers' Association Standard, JEM1467. The filter removes more than 99.97% of 0.3-micron dust particles.
- ⁸ At a smoking rate of five cigarettes per day.

● Not all harmful substances in cigarette smoke (e.g., carbon monoxide) can be removed.

* Design and specifications are current as of March 2018, but are subject to change without prior notice.
* Actual colors may differ slightly from the colors shown in this brochure.

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