

# SHARP

Be Original.



 CERTIFIED BY 31 GLOBAL TEST LABORATORIES

## The World's Most Popular Indoor Air Purifier

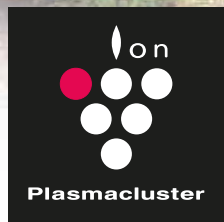


**PLASMACLUSTER TECHNOLOGY**  
Air as Natural as Nature



Sharp Plasmacluster range includes  
Air Purifiers • Air Purifier + Dehumidifier • Air Purifier + Humidifier • Car Air Purifiers • Air Sterilizer • Air Purifier + Mosquito catcher

Call 1800 4254 321 toll-free to learn more or visit [www.mySHARP.in](http://www.mySHARP.in)



**Purify air with the same ions as in nature**  
**Plasmacluster - only from SHARP**

Plasmacluster ions are positive and negative ions that occur in nature. The effectiveness of Plasmacluster as an air-purifying technology has been supported by test data, and Plasmacluster is thus increasingly finding applications in various areas of activity, such as in businesses, in addition to household use. Plasmacluster provides you with natural and safe air. This unique technology from Sharp applies the power of nature.

### Sharp's Original Technology

Plasma discharge generates and emits the same positive and negative ions that occur in nature. Plasmacluster is an original air purifying technology developed by Sharp that removes airborne mold and viruses.

Winner of the 2008 Invention Prize  
 National Invention Awards Ceremony held by the Japan Institute of Invention and Innovation (JIJI)



Patented by Sharp (patent number 3680121)

### Assured Safety

GLP\*-compliant test facilities have gathered highly reliable safety data on Plasmacluster technology.

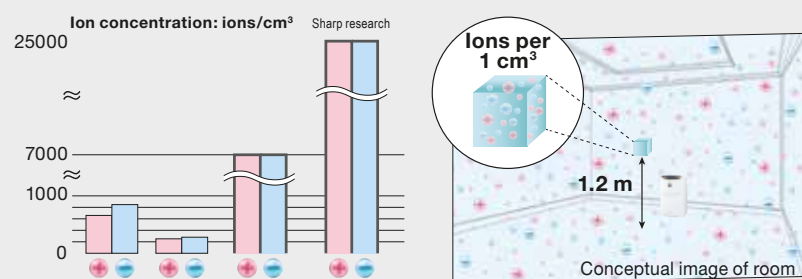
\* GLP (good laboratory practice) is a system of management controls for test facilities and test procedures designed to ensure the reliability of chemical safety assessment tests.

Purpose	Test name (abbreviation)	Ion density setting
Skin irritancy (general condition)	Acute skin irritation/corrosion	Approx. 1,000,000 ions/cm <sup>3</sup>
Eye irritancy (general condition)	Acute eye irritation/corrosion	Approx. 13,000,000 ions/cm <sup>3</sup>
Gene toxicity (general condition)	Inhalation toxicity (evaluation of genetic effect on pulmonary tissue)	Approx. 7,000,000 ions/cm <sup>3</sup>
Body and organ toxicity (general condition)	Inhalation toxicity	Approx. 7,000,000 ions/cm <sup>3</sup>
Pregnant woman and fetus toxicity (general condition)	Inhalation toxicity	Approx. 7,000,000 ions/cm <sup>3</sup>

Testing institution: LSI Medience Corporation

### The Same Safe Ions As in Nature

The safety of Plasmacluster ions has been verified, and so a high density of ions can be used. With more positive and negative ions in a room than even in a forest, Plasmacluster provides an environment of even greater effectiveness.



## How Plasmacluster Mechanism Removes Microbes

The ions are long-lasting because they are surrounded by water molecules.



Air purifiers and ion generators with Plasmacluster technology can prevent the action of airborne viruses, as well as reducing the effects of suspended allergens generated by dust mite feces and dead mites by breaking them down, but Plasmacluster cannot create a completely sterile environment, or ensure prevention of infection. • The actual number of ions and effectiveness of microbe removing and purifying depend on the room conditions and the operation methods, including room size or shape, whether air conditioning or ventilation is used, product placement, direction of ion discharge, and operation mode.

## Outcomes Achieved With Plasmacluster

### 1 Air purification

- Removal of airborne mold and bacteria
- Suppressing the activity of airborne microbes
- Suppressing the activity of airborne viruses
- Reducing growth of adhering mold
- Suppressing the increase of dust mite allergens, including dust mite feces and dead mites
- Suppressing the activity of adhering viruses

#### Examples:

At factories and food-processing facilities

#### Examples:

At offices, workplaces, and public facilities

Improving the sanitary conditions of food

Helping save electricity with the air-conditioning temperature\*

Enabling cost reductions by reducing detergents and disinfectants

Improving air conditions and sanitary conditions

\* With the effect of Plasmacluster, airborne microbes can be suppressed even if the air-conditioning temperature setting goes up by around 2 °C, which contributes to electricity-cost saving.

### 2 Removing stubborn odours

- Removal of cigarette smoke odor
- Suppressing the activity of airborne odor microbes

#### Examples:

At offices, workplaces, and public facilities

#### Examples:

Restaurants and supermarkets

Improving air conditions

Improving air conditions for eating and drinking

Providing measures against lingering odors and spoiled-food odors with food ingredients

### 3 Eliminating static electricity

- Preventing dust from clinging to the ceiling and walls
- Removal of dust and pollen clinging to hair and clothing

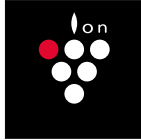
#### Examples:

At factories and food-processing facilities

Providing measures to prevent foreign matter from becoming mixed in

Providing measures against airborne microbe and dust

Contributing to reduction in rate of returned produces.

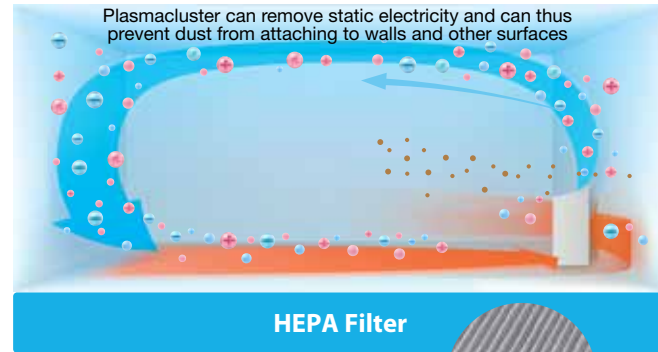


## Higher performance & better efficiency

Sharp Air Purifiers employ a 3-step system to combine the “active” Plasmacluster mechanism with “passive” HEPA filtration to sterilize and cleanse the indoor air off of airborne substances harmful to humans.

### COLLECT Powerful Air Suction & Unique Airflow Quickly & Efficiently Collects Dust & Other Suspended Particles

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



**Enlargement of HEPA Filter**  
The larger the surface area of the filter, the more dust and other harmful particles are captured.



The filter measures as long as approx. **8 m** when fully extended.

Simulated image of the FU-A80

### What the HEPA Filter Captures

99.97% capture and removal of 0.3-micron dust particles

- Tree pollen** Cedar, cypress, birch, alder, beech, red cedar, oak, pine
- Grass pollen** Ragweed, wormwood, hop, orchard grass, vernal grass, timothy grass
- Allergens** Dust mite feces, dust mite remains, dog dander, cat dander, hamster dander, mold
- Airborne mold** Black mold, Stachybotrys, Aspergillus niger, Penicillium
- Dust** Dust, pet hair, pet dander, cigarette smoke, cooking fumes, mite dust, diesel exhaust particles, Asian dust
- Odors** Cigarette odor, pet odor, cooking odor, kitchen food waste odor, toilet odor, body odor, mold odor, ammonia odor

**Sharp HEPA Filters meet top global performance standards** Sharp Air Purifiers sold in India are equipped with H14 Class (in EN1822 type) True HEPA filters, based on the JEM1467 standard of The Japan Electrical Manufacturers' Association. HEPA filters built to this standard remove 99.97% of dust and other particles of size 0.3um each time air passes through them.

## PASSIVE HEPA Filtration

### CAPTURE High-Performance Filters Capture Airborne Dust Particles

All Sharp Air Purifiers have an air intake and an air outlet. The Air Purifier draws in air from the indoor environment through its air intake. This air then passes through a set of high-performance filters (Carbon filter & HEPA filter) before it's blown back into the room through the outlet vents. This is a continuous cycle.

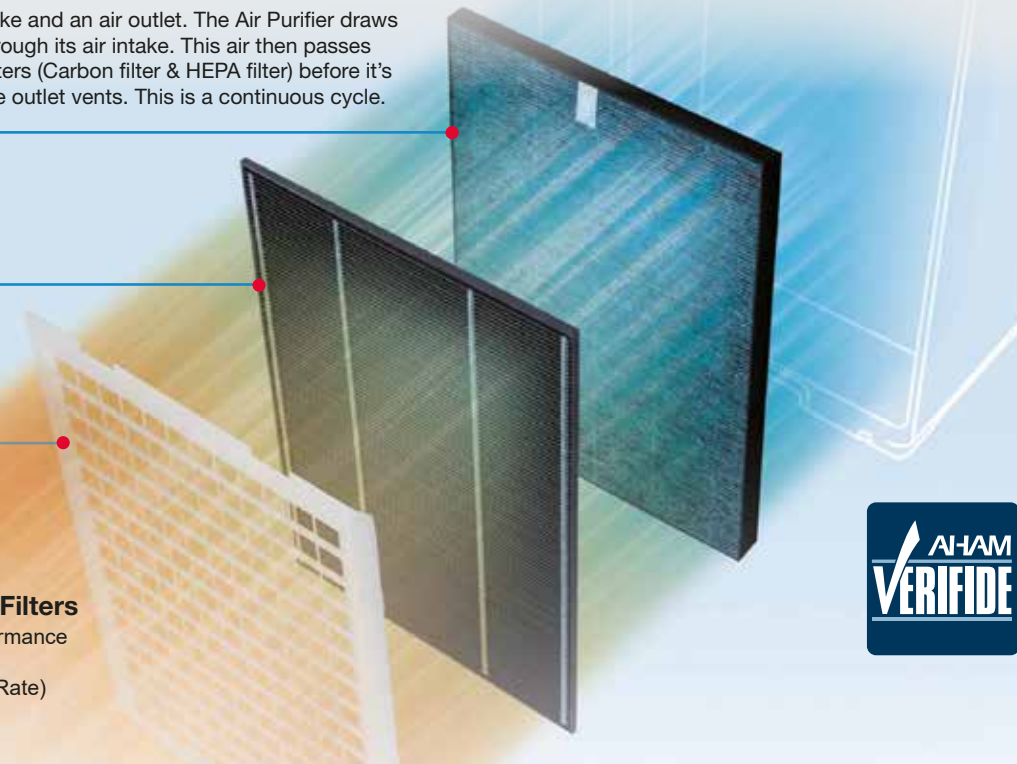
**High-performance HEPA filter**  
Captures 99.97% of 0.3 micron dust particles

**Active Carbon Filter / Charcoal Layer**  
Helps in removal of smoke and chemical fumes

**Micron Mesh Pre-Filter**  
Captures dust particles as small as 50 microns

### Advantages of Sharp HEPA Filters

- Large surface area for higher performance & efficiency
- Highest CADR (Clean Air Delivery Rate) in its category



British Allergy Foundation has made it easy to choose right air purifier, especially for people with respiratory problems. They have extensively tested & certified Sharp Plasmacluster Air Purifiers for their effectiveness in reducing Asthma & Allergy triggers.

## ACTIVE Plasmacluster Technology

### ELIMINATE Plasmacluster Ions Can Remove Mold, Viruses, Allergens, Odors and Static Electricity

1. **GENERATES FRESH INDOOR AIR**  
Plasma discharge generates and emits the same positive and negative ions that occur in nature
2. **NEUTRALISES HARMFUL VOC & OTHER TOXIC GASES**  
Plasmacluster ions surround and break VOCs and toxic gases
3. **KILLS MICROBES AND OTHER CONTAGIOUS ELEMENTS**  
Plasmacluster ions kill viruses including H1N1, microbes, bacteria like E. Coli, MRSA, TB & fungal spores to sterilize indoor air
4. **REMOVES STATIC CHARGE**  
Plasmacluster ions remove static electricity that traps dust particles and pollen on charged surfaces
5. **HYDRATES SKIN**  
Plasmacluster ions not only help the skin retain moisture, but also help improve its elasticity and texture



**NO HARMFUL OZONE**

Sharp's Plasmacluster ion technology does not produce any harmful Ozone during its process of air treatment. It mimics nature.

**CB Certificate for Electrical Equipment**  
• Japan Quality Assurance Organisation

## Holistic effectiveness of Sharp Plasmacluster Air Purifiers

Deconstructing indoor air		What Sharp offers to eliminate the problem				
Type of Pollutants /Problems	Approximate concentration of each pollutant in Indoor air*	Pre Filter Thin mesh washable Pre Filter can trap up to 10 micron dust particles	HEPA Filter Sharp original - Charged HEPA for consistent performance and extended life	Active Carbon Filter Absorbs gases while the air passes through the filter	Plasmacluster Sharp original – nature's method of purification. Certified and safe.	Dehumidifier & Humidifier Balances humidity levels to make occupants comfortable
House Dust, Pet Dander	15%	✓				
PM10, PM2.5, Pollen	30%		✓			
Chemical Fumes & Toxins	23%			✓	✓	
VOC & Haze compounds	7%				✓	
Infectious substances	25%				✓	
Skin & throat dryness, skin texture, static electricity	-				✓	✓

\* Deconstructing Indoor Air : Estimated pollution mix at Indoor air depends on primarily three factors – season, geo location & occupant lifestyle  
Effectiveness of Pathogens, VOC & gases: Certified by 28 Global Labs for safety and effectiveness



# Plasmacluster Air Purifier Applications

A variety of unwanted elements lurk in the air of your indoor living environments



## Bedrooms & Living Rooms

Most of our time is spent in bedrooms & living rooms. Hidden in the air remain a variety of contaminants such as viruses, bacteria, pollen, haze invading from the outside, as well as odors and dust mite feces and remains. Sharp Air Purifiers neutralize all such threats to make the indoor environment safe for its inhabitants.



## Small Rooms (For Children) & Closets

Children have a weaker immune system compared to adults. It is therefore important to provide them with a clean environment. Closets on the other hand are usually not properly ventilated and this causes odors, particularly of sweat, to linger. Mold too, grows easily in closets.



## IT Server Rooms

Aside from removing static electricity, Sharp Plasmacluster Air Purifiers remove dust and other particles suspended in air to help maintain a highly clean and sterilized operating environment in server rooms.



## PCB Handling Areas

Precision device circuits stay protected and dust impurities prevented by deploying Sharp Plasmacluster Air Purifiers. Installing equipment that eliminates static electricity also helps reduce manufacturing defects that may be caused in critical components because of unwanted electrical charges.



## Kindergartens, Nursery Schools & Child Day Care Centers

Provide a comfortable space to children, free of airborne allergens, viruses, fungi and pollution. Sharp Plasmacluster Air Purifiers will help reduce instances of children falling sick because of such airborne threats.



## Elderly Care Facilities

Provide a comfortable space to elders, free of airborne allergens, viruses and fungi. Sharp Plasmacluster Air Purifiers will help reduce instances of elders falling sick because of such airborne threats.



## Hotels & Restaurants

Sharp Plasmacluster Air Purifiers help provide a high-quality, pollution-free and welcoming atmosphere for customers by removing airborne threats and unpleasant odors such as from food or cigarette smoke.



## Office Meeting Rooms & Waiting Rooms

Protect your employees and clients against the risk of pandemics. Provide clean air in areas used often for meetings and other discussions.



## Hospitals

Aside from neutralising airborne threats such as viruses and microbes, Sharp Plasmacluster Air Purifiers reduce odors peculiar to hospitals that permeate doctors' cabins, waiting rooms and hallways. What's more, Sharp Air Purifiers also curtail formation of mold which is known to cause respiratory distress in many individuals.



## Path Labs & Medical Test Centers

Sharp Plasmacluster Air Purifiers help maintain a sterile, dust-free, germ-free indoor environment and are a must-have for facilities such as pathology labs and test centers.



## Banks & Currency Chests

Like any other place where people gather in large numbers, air inside banks is prone to carry regular airborne threats such as viruses, microbes & germs. Sharp Plasmacluster Air Purifiers remove such threats. Also, currency carries a lot of dust with itself and chests and cash-rooms are not properly ventilated. Plasmacluster Air Purifiers can help provide a dust-and-mold-free environment.



## Automobiles

Odors from eating food, smoking cigarettes and burnt rubber cling easily to a car's interiors. And then there's mold that grows in the car's air conditioning system. Sharp's Plasmacluster Air Purifiers for cars, vans & SUVs address these issues quickly and efficiently.



## Air Purifier + Dehumidifier

DW-E16FA-W is a high density Plasmacluster 2-in-1 air purifying dehumidifier with a 3-litre water tank and dehumidifying capacity of up to 16 lt/day



The DW-E16 is a powerful Dehumidifier with high concentration of Plasmacluster ions, a high performance HEPA filter and a deodorizing active carbon filter for Room Air Purifying, Laundry Deodorizing, Quick Drying and Dehumidifying



- Active + passive purification
- Continuous drainage option
- Automatic humidity control



### LAUNDRY DRYING

Deodorize room-dried laundry with a high concentration Plasmacluster ions.

### DEHUMIDIFYING

Adjust the dehumidification amount for proper humidity level according to the room temperature.

### AIR PURIFYING

Collect dust pollen and unpleasant odor during laundry drying and dehumidifying.



180° Airflow

Auto Operation

Laundry Mode

Dehumidify Mode

Tank Full Indicator

Odor Sensor

HEPA Filter

Deodorizing Filter

CHILD LOCK

Vertical Swing

Timer (OFF)

## Features

### • Auto Dehumidifying

Equipped with temperature and humidity sensor, the dehumidifier can operate automatically to control the room humidity.

### • Laundry Dehumidifying

Direct airflow to the laundry for rapid drying.

### • Laundry Deodorizing

Effective in deodorizing clothes by using high density Plasmacluster ions.

### • Mold Proof and Virus Neutralised

Neutralises mold effectively by dehumidifying and releasing high density Plasmacluster ions simultaneously.

### • 180° Airflow

The louver direction and air swinging selection provides widely dehumidifying and deodorizing function and the maximum air delivery is around 180°.

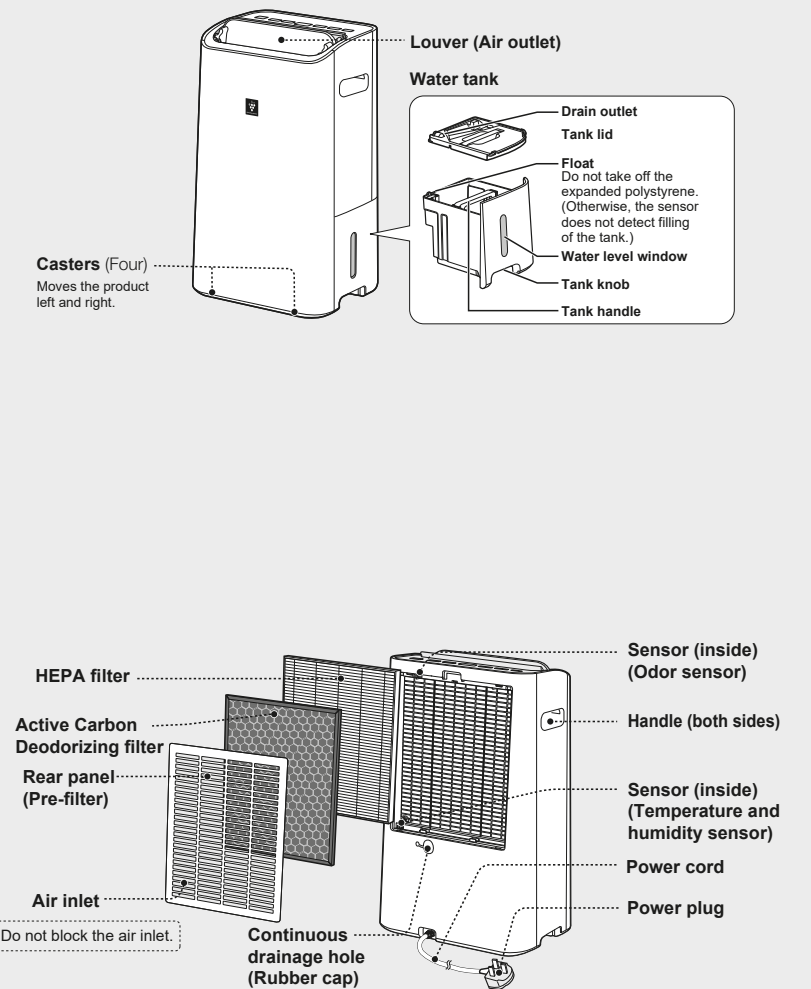
### • 2/4/6 Hours Off Timer

Set 2/4/6 hour Off Timer simply by pressing a single button.

### • Full-Tank Indicator

When the water tank is full, the dehumidifier will stop operation automatically, and the full-tank indicator will flash.

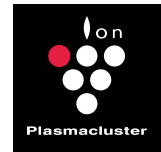
### • Continuous Drainage



\*1 The maximum air delivery is around 180° (Louver movement angle is around 115°)

# 3 in 1

## Removing Threats from Your Daily Life to Provide You with a Comfortable and Safe Environment



### 1 Plasmacluster

Plasmacluster air-purifying technology suppresses the activity of airborne mold and viruses that threaten your family's health. The purified air from Plasmacluster provides your family with a safe and comfortable environment.

- VIRUSES
- BACTERIA
- ODORS
- MOLD

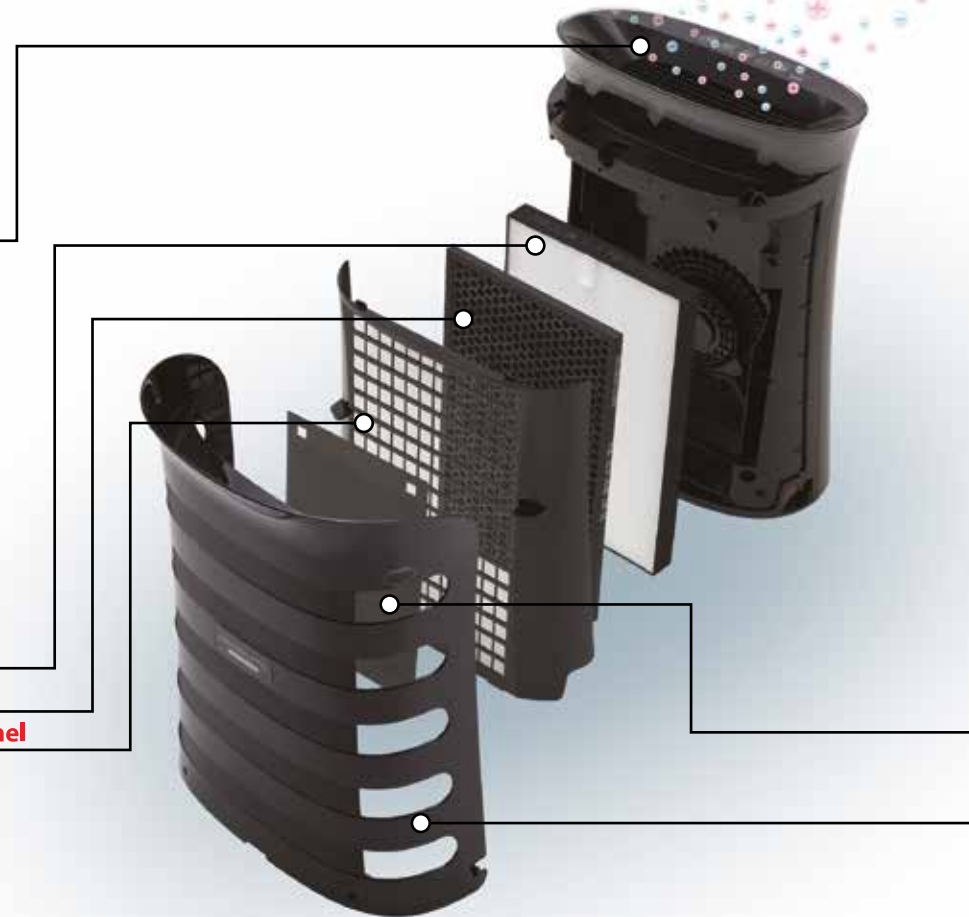


### 2 Air Purifying

Sharp air purifiers use a Triple Cleaning System that quickly and effectively removes dust, PM2.5 particles, and allergens.

- Dust-Collecting HEPA Filter
- Deodorizing Filter
- Micron-Mesh Pre-Filter on Rear Panel

- POLLEN
- DUST
- PET DANDER
- SMOKE



### 3 Mosquito Catcher

5 Effective Steps\* of Sharp Mosquito Catcher

- 1 UV light attracts mosquitoes
- 2 Enticing 'Black' color
- 3 Ideal entrance design
- 4 Powerful airflow and suction
- 5 Strong glue sheet

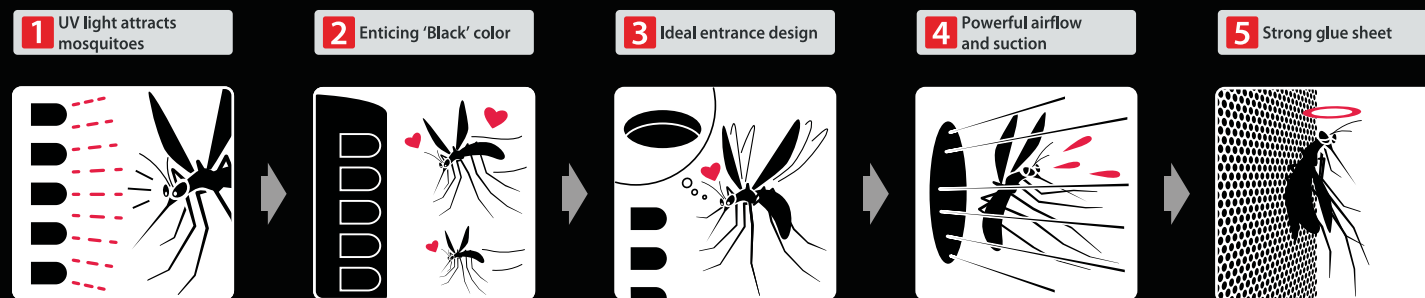
\* In collaboration with Institute for Medical Research, Malaysia

## Capture and protect from mosquitoes with 100% harmless

### 5 Effective Steps\* of Mosquito Catcher

Reduce up to 91% of Culex, 73% of Aedes and 72% of Housefly\*\*

Effective mechanism based on mosquito behaviour



\* The mechanism of the Mosquito Catcher is studied in collaboration with the Institute for Medical Research, Malaysia.  
 \*\* Result of 24-hour laboratory test in collaboration with the Institute for Medical Research, Malaysia, with Culex quinquefasciatus, Aedes albopictus and aegypti, and Musca domestica. The efficacy of the Mosquito Catcher function was tested in a laboratory setting; actual conditions may vary. Continuous usage will improve capture efficacy.

### FP-GM50E-B

Recommended Room Size: 450 Sq Ft.



### Haze Mode Powerfully Collects Haze Particles and Keeps the Room Air Clean

The FP-GM50E-B has a Haze Mode. When the FP-GM50E-B starts in Haze Mode, operation is at maximum airflow for the first 10 minutes, and then switches to HIGH airflow for the next 50 minutes. After that, operation repeatedly alternates between LOW and HIGH airflow every 20 minutes. With stronger airflow for the first 60 minutes, a high density of Plasmacluster ions is dispersed into the entire room, which reduces static electricity, making it easy to capture haze particles.

### \*Glue Sheet (FZ-40STS, FZ-ST52M)

- 1 Insecticide-Free Glue Sheet
- 2 Strong Catching Power  
The strong glue sheet catches mosquitoes.
- 3 Easy Disposal without Dirtying Your Hands



3 Months Usage\*  
Exchangeable  
3-layer Glue Sheet  
(1-layer : for one month\*)



2 Months Usage\*

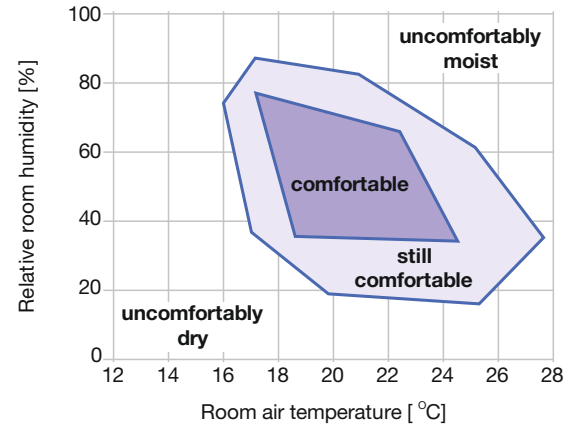
\* Depending on room conditions.

These sheets can be used for all air purifiers with mosquito catcher.

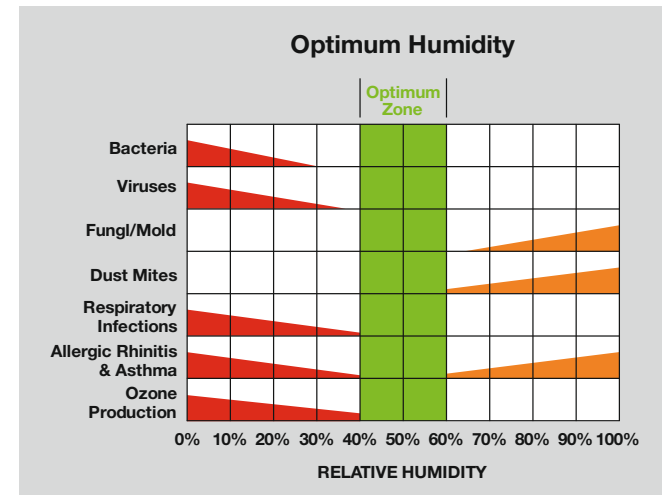


# Air Purifiers with Humidifying

## HUMAN THERMAL COMFORT



The amount of humidity in the air has a direct impact on Thermal Comfort which in turn impacts upon the health and wellbeing of building occupants. Maintaining the level of indoor humidity between 30-70 %rh is essential in spaces that human beings occupy as it allows them to function optimally.



**For optimum air quality, Indoor Relative Humidity should always be maintained between 40% and 60%!**

**Sore or Scratchy Throat:** The same process that is drawing moisture from the nasal passages can also effect your throat.

**More Illness:** As the nasal passages dry out from low humidity, the body's ability to trap and filter out viruses and microbes that cause illness dips. When the sticky membranes lose their ability to filter, more microbes can pass through. Even worse, as the mucus membranes dry and crack, they provide a direct path to the bloodstream for pathogens. This is often why the flu is so prevalent during the fall and winter.

### Effect of Humidity on Human Health

The primary influences of humidity on health are through biological pollutants and their survival in the air (at a temperature of 21°C, influenza survival in the air is lowest at a mid-range 40 %rh to 60 %rh).

Highlighted in blue is the optimum zone for relative humidity. As you can see in the diagram above, most activity is either non-existent or very low when the relative humidity is between 40-60%.

Bacteria, viruses, fungi and house dust mites all are less active; and these biological contaminants can be highly problematic for health, and form part of the microbial stew.

### The effects of low humidity are best expressed in two areas, the skin and respiratory system.

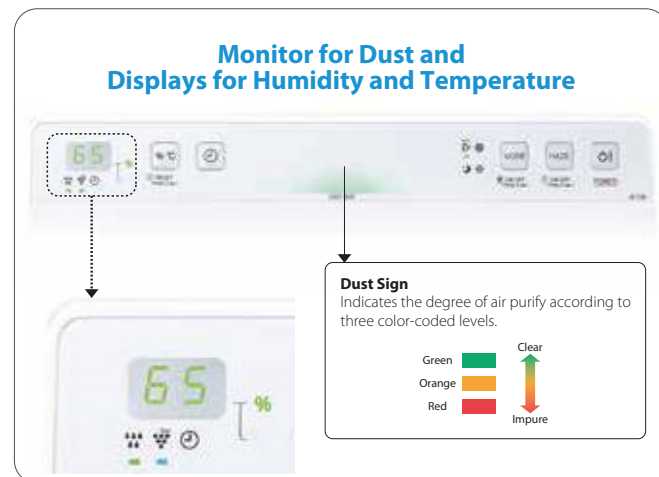
**Dry Nasal Passages:** As more moisture is drawn from the mucus membranes to moisten dry air, the membranes can dry out quicker than the moisture can be replenished by the body. This can manifest itself as dry and even painfully cracked sinuses. It can become so severe that the cracked sinuses bleed. This is partly why many experience nosebleeds during the drier, cooler fall and winter months.

*Highlighted in Green is the optimum zone for relative humidity. As you can see in the diagram above, most activity is either non-existent or very low when the relative humidity is between 40-60%. Bacteria, viruses, fungi and house dust mites all are less active; and these biological contaminants can be highly problematic for health, and form part of the microbial stew.*

### Simple Operation

#### Off Timer for Convenient Use

The off timer can be set to 1, 2, 4, and 8 hours.



### Floating Humidification System with Humidifying Filter Floating on Water

#### Fill the Humidifying Tray Directly with Tap Water

The humidifying filter operates according to the water level, and so the humidifying level is kept constant, with humidity controlled through adjustment of the airflow by sensors detecting the temperature and humidity levels in the room.



# Air Purifier for Cars, Vans & SUVs

IG-GC2E

## Say Goodbye to

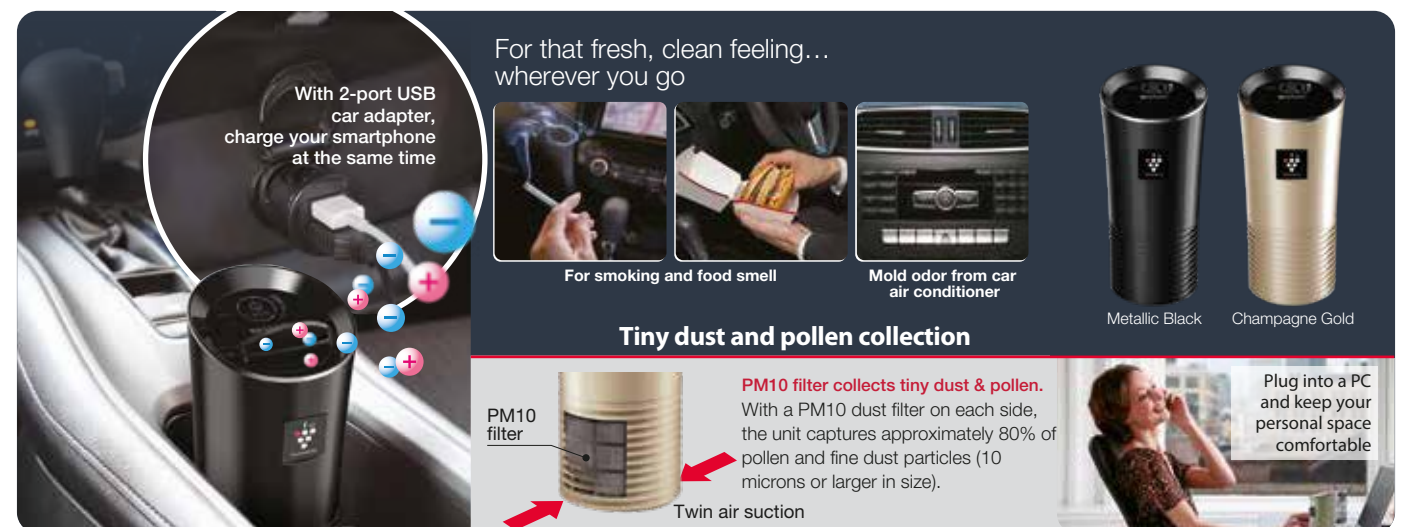


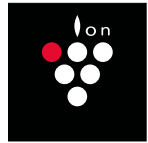
## The Natural Way

Meet Sharp's IG-GC2E, it mimics nature in removing bad odors and pollutants from the air we breathe by passively trapping harmful PM in its dual, washable PM10 filters and actively neutralising contaminants by releasing positive and negative ions. Inside vehicles, these naturally occurring ions fall to levels that abet the growth of mold fungi, bacteria, virus and static electricity (it makes suspended particulate matter stick to surfaces). Not only that, soon the air inside the car begins to smell foul. All this contributes to altering occupant (drivers & passengers alike) behaviour inside the car. With people in urban cities spending more and more time travelling, on the road, isn't it prudent to ensure that the air you breathe is clean and naturally fresh?

	IG-GC2E	Negative Car Ionizers	HEPA & Carbon Filter based options
Cost of ownership	One-time cost (plug it & forget it)	One-time cost	Initial product cost + filter replacement costs
Ozone	No harmful Ozone	Harmful Ozone	No harmful Ozone
Technology	Active + Passive	Active only	Passive only
Efficiency	Higher	Lesser	Lesser
Life	8 years approx.	2 years approx.	Filters to be replaced every 3-4 months
Limitations	None, offers 100% action	Ineffective against SPM, little action on toxic gases & VOCs	Unable to address foul odours

*Note: Active technology doesn't wait for air to pass through the air purifier to clean it. Passive air purifiers on the other hand are able to clean only the air that passes through them, that too through repeated cycles.*





# High-Performance Air Purifiers

For everyday comfort, choose according to your room size / application

## FU-A28E-W

Recommended Room Size: 200 sq ft



- Plasmacluster technology with HEPA filtration
- CADR: 168 m<sup>3</sup>/hr



## FP-GM50E-B Air Purifier with Mosquito Catcher

Recommended Room Size: 450 sq ft



- Odor and Dust Sensor
- Quiet Operation for Nighttime (20 dB)
- Auto Restart



## KC-F30E-W Air Purifier with Humidification

Recommended Room Size: 280 sq ft



- Humidity and temperature display
- Off timer (1, 2, 4, 8 hours)
- Dust indication monitor
- Auto restart



## FU-A80E-W

Recommended Room Size: 650 sq ft



- Dust Indication monitor
- Quiet Operation for Nighttime (23 dB)
- Auto Restart (Not Default)



## FP-F40E

Recommended Room Size: 320 sq ft



- Off Timer (2, 4, 8 hours)
- Dust Indication Monitor
- Auto Restart

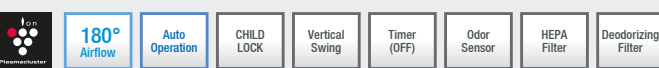


## DW-E16FA-W Air Purifier with Dehumidifier

Recommended Room Size: 300 sq ft



- Laundry Dehumidifying & Deodorizing
- Mold-Proof & Virus Neutralised
- 2/4/6 Hours Off Timer
- Full-Tank Indicator
- Sensors: Odor, Temperature & humidity



# Specifications



Model	FU-A28E-W	FP-F40E-W/B	FP-FM40E-B	FP-GM50E-B	KC-F30E-W	DW-E16FA-W	FP-G50E-W	FU-A80E-W
MRP (Rs)	12,000/-	25,000/-	28,000/-	30,000/-	29,000/-	35,000/-	28,000/-	32,000/-
Air Purification System	Plasmacluster Ion Generator with HEPA Filter	Plasmacluster Ion Generator with True HEPA & Active Carbon Filter						
Additional Functions				Mosquito Catcher	Humidification	De-Humidification (16 litres/day @ 30°C & 80% RH)		
Coverage Area* (sq ft) Air Purification / Plasmacluster	200	320 / 250	300	450	280 / 230	300	430	650 / 480
Air Flow/ CADR (m <sup>3</sup> /hr)	168 / 108 / 48 (High/Med/Low)	240 / 150 / 90 (High/Med/Sleep)	240 / 150 / 90 (High/Med/Sleep)	306 / 186 / 90 (High/Med/Sleep)	240 / 170 / 90 (High/Med/Low)	240 / 170 / 75 (High/Med/Low)	306 / 186 / 90 (High/Med/Low)	480 / 300 / 120 (High/Med/Low)
Modes	Low, Medium & High	Haze, Auto, Low, Medium & High	Haze, Auto, Low, Medium & High	(Max, Med, Sleep & Auto)	Haze, Auto, Low, Medium & High	Auto Dehumidifying, Laundry, Deodorizing, Auto, Low, Medium & High	Haze, Auto, Low, Medium & High	Shower, Auto, Low, Medium & High
Pre-filter	Standard Mesh	Standard Mesh	Standard Mesh	Standard Mesh	Standard Mesh	Mesh Type	Standard Mesh	Standard Mesh with ACF
Filter Life*		Up to 2 years				Up to 2.5 years	Up to 2 years	
Auto Restart	No	Yes	Yes	Yes	Yes	No	Yes	
Sensors	-	Odour & Dust (PM10)	Dust (PM10)	Odour & Dust	Temperature, Humidity & Dust (PM10)	Humidity, Odour & Tank Full**	Odour & Dust (PM10)	Dust (PM10)
Unit Dimensions (mm)	385 x 380 x 128 (W x H x D)	383 x 540 x 209 (W x H x D)	391 x 540 x 281 (W x H x D)	394 x 540 x 281 (W x H x D)	380 x 570 x 197 (W x H x D)	360 x 565 x 260 (W x H x D)	383 x 540 x 209 (W x H x D)	402 x 620 x 245 (W x H x D)
Net Weight (kg)	3.4	4.7	5.8	6.1	7.2	12.2	5.1	8
Power Consumption (W)	48 / 27 / 12 (High/Med/Low)	27 / 12 / 4.1 (High/Med/Low)	33 / 14 / 6.2 (High/Med/Low)	51 / 17 / 4-6 (High/Med/Low)	31 / 12 / 6 (High/Med/Low)	38 / 10 / 7 / 190 (High/Med/Low / Dehumidifying)	47 / 16 / 4.0 (High/Med/Low)	75 / 20 / 5 (High/Med/Low)
Noise Level (db)	47 / 38 / 25 (High/Med/Low)	48 / 38 / 21 (High/Med/Low)	48 / 38 / 20 (High/Med/Low)	51 / 41 / 20-29 (Max/Med/Sleep)	49 / 38 / 21 (High/Med/Low)	53 / 35 / 27 (High/Med/Low)	52 / 42 / 23 (High/Med/Low)	53 / 41 / 23 (High/Med/Low)
Warranty	12 months, ON SITE							

\* Depending on fan speed & indoor environment conditions  
 \* The Filter Life may vary according to use and environment conditions  
 \*\* Water tray capacity: 3 litres or Continuous Drainage

Due to continuous improvements and product upgrades, designs & specifications are subject to change without notice.

**Humidification Function:** India being a tropical country, in most places the average humidity level (RH) remains as low as 45%. In such situations if an Air Conditioner or a Room Heater is being used, humidity levels drop further resulting in dryness of skin, throat in selective groups of people. The humidifying function in KC-F30E helps in maintaining optimum humidity levels in your room. It works on the principle of Natural Evaporation and humidity levels never cross 60%. The Humidification Filter needs to be washed and kept clean if it is not in use, especially during the monsoons.

**De-humidification Function:** If you live somewhere along the vast coastline of India, or in regions that experience high levels of humidity and rainfall, Sharp's air purifier with de-humidification function is just what you need. De-humidification effectively counters problems associated with highly humid conditions such as proliferation of mould fungi and viruses, foul odours and even skin rashes.

**Filter Maintenance / Replacement Suggestions:** The darkening of filter layers is normal due to dust / smoke etc. getting trapped in them. At times, the filter itself may produce some odour and needs to be exposed to bright sunlight for 3 to 4 hours at least once in 45 days. The HEPA filter life fully depends on the nature of indoor environment and duration of usage. HEPA filters should never be washed. Always check the direction of filters when placing them into their frames. It is time to have the filters replaced if you feel, that even after cleaning, the air outflow has dropped by 50%-60% compared to the initial days of your new Air Purifier usage.

## Plasmacluster is not a negative ioniser

Plasmacluster technology is often mistaken for a negative ioniser, a commonly-available type of air purifier. Ionisers add a negative charge to airborne harmful suspended particles making them heavier and fall to the nearest horizontal surface. On the other hand Plasmacluster technology produces positive and negative ions by breaking down water vapour molecules in the air. These ions actively attach to pollutants and break down their surface before returning to air as water vapour.



British Allergy Foundation has made it easy to choose right air purifier, especially for people with respiratory problems. They have extensively tested & certified Sharp Plasmacluster Air Purifiers for their effectiveness in reducing Asthma & Allergy triggers.





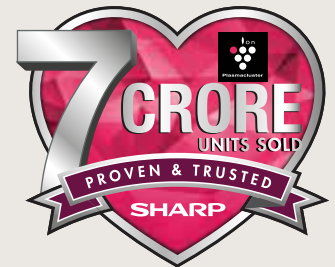
# High-Density Plasmacluster Ions Remove Airborne Mold, Bacteria & Viruses

Plasma discharge generates and emits the same positive and negative ions that occur in nature. Plasmacluster technology is Sharp's original air purifying technology that removes airborne mold, bacteria, viruses and odors. The benefits have been proven by official test institutions in Japan and around the world.



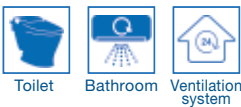
## CERTIFIED WORLDWIDE

PLASMACLUSTER—GAINING TRUST AND NEW CUSTOMERS AROUND THE WORLD  
(TESTED BY 31 INSTITUTES AND ORGANIZATIONS)

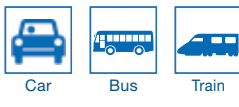


### Plasmacluster is used in a variety of industries

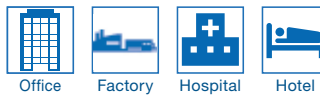
For homes



For vehicles



For buildings



**SHARP IS COMMITTED.** Sharp continues to provide service support for all its air purifier models for a period of up to 5 years from their discontinuation.

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