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)

China
- Ministry of Environment
- China Academy of Medical Sciences
- Beijing Hospital
- Beijing Institute of Radiological Health
- China Academy of Environmental Sciences
- Beijing Environmental Protection Bureau
- Beijing Medical Institute
- China Academy of Medical Sciences
- Chinese Academy of Social Sciences
- National Center for Gerontology

Japan
- National Institute of Health and Nutrition
- National Institute of Health and Nutrition
- National Institute of Health and Nutrition
- National Institute of Health and Nutrition
- National Institute of Health and Nutrition
- National Institute of Health and Nutrition
- National Institute of Health and Nutrition
- National Institute of Health and Nutrition
- National Institute of Health and Nutrition
- National Institute of Health and Nutrition

Thailand
- Ministry of Health
- Ministry of Health
- Ministry of Health
- Ministry of Health
- Ministry of Health
- Ministry of Health
- Ministry of Health
- Ministry of Health
- Ministry of Health
- Ministry of Health

South Korea
- Ministry of Environment
- Ministry of Environment
- Ministry of Environment
- Ministry of Environment
- Ministry of Environment
- Ministry of Environment
- Ministry of Environment
- Ministry of Environment
- Ministry of Environment
- Ministry of Environment

U.S.A.
- National Institute of Health
- National Institute of Health
- National Institute of Health
- National Institute of Health
- National Institute of Health
- National Institute of Health
- National Institute of Health
- National Institute of Health
- National Institute of Health
- National Institute of Health

Plasmacluster is used in a variety of industries

For homes
- Home
- Kitchen
- Bedroom

For vehicles
- Car
- Bus
- Train

For buildings
- Office
- Factory
- Hospital
- Hotel

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 despatch.

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Sharp Business Systems (India) Private Limited
Email: info@sharp-ea.com
Call 1800 4254 321 toll-free to learn more or visit www.mySHARP.in
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.

### 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 results.

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Test name</th>
<th>Ion density setting</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute inhalation (general condition)</td>
<td>Acute inhalation</td>
<td>1,000,000 ions/cm³</td>
<td>Approx.</td>
</tr>
<tr>
<td>Acute oral</td>
<td>Acute oral</td>
<td>13,000,000 ions/cm³</td>
<td>Approx.</td>
</tr>
<tr>
<td>Genotoxicity (general condition)</td>
<td>Genotoxicity (general condition)</td>
<td>7,000,000 ions/cm³</td>
<td>Approx.</td>
</tr>
<tr>
<td>Skin and organ toxicity (general condition)</td>
<td>Skin and organ toxicity (general condition)</td>
<td>7,000,000 ions/cm³</td>
<td>Approx.</td>
</tr>
<tr>
<td>PROGRAM MAX</td>
<td>PROGRAM MAX</td>
<td>7,000,000 ions/cm³</td>
<td>Approx.</td>
</tr>
</tbody>
</table>

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.

- **Examples:**
  - At offices, workplaces, and public facilities
  - At factories and food-processing facilities

- **Examples:**
  - At offices, workplaces, and public facilities
  - At factories and food-processing facilities

### How Plasmacluster Mechanism Removes Microbes

**STEP 1 Ions are released**

Plasmacluster ions, the same positive and negative ions found in nature, are generated by plasma discharge and released into the air.

**STEP 2 The ions act on airborne microbes**

The ions form hydroxide (OH) radicals that are highly oxidizing only when they adhere to the surfaces of mold, bacteria and viruses. They instantly remove the hydrogen from the surface proteins, breaking them down.

**STEP 3 The broken-down components return to the air as water**

The hydroxide (OH) radicals combine with hydrogen (H) to form water (H₂O), which returns to the air.

As 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 depends 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**

- **Examples:**
  - Improving the sanitary conditions of food
  - Helping save electricity with the air-conditioning temperature
  - Enabling cost reductions by reducing detergents and disinfectants

**2 Removing stubborn odours**

- **Examples:**
  - Providing measures against lingering odours

**3 Eliminating static electricity**

- **Examples:**
  - Providing measures to prevent foreign matter from becoming static
  - Providing measures against airborne microbe and dust

- Contributing to reduction in rate of returned produces.

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**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 (JII)

Patented by Sharp (patent number 3680121)

**Purify air with the same ions as in nature**

Plasmacluster - only from SHARP
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 of airborne substances harmful to humans.

Collective Power 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 clearing.

What the HEPA Filter Captures

<table>
<thead>
<tr>
<th>99.97% capture and removal of 0.3-micron dust particles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tree pollen</td>
</tr>
<tr>
<td>Grass pollen</td>
</tr>
<tr>
<td>Allergens</td>
</tr>
<tr>
<td>Airborne mold</td>
</tr>
<tr>
<td>Dust</td>
</tr>
<tr>
<td>Odors</td>
</tr>
</tbody>
</table>

Plasmacluster can remove static electricity and can thus prevent dust from attaching to walls and other surfaces.

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

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 inhaled into the room through the outlet vents. This is a continuous cycle.

Advantages of Sharp HEPA Filters

- Large surface area for higher performance & efficiency
- Highest CADR (Clean Air Delivery Rate) in its category
- Micron Mesh Pre-Filter captures dust particles as small as 50 microns

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.

Active Carbon Filter / Charcoal Layer

Helps in removal of smoke and chemical fumes

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

Holistic effectiveness of Sharp Plasmacluster Air Purifiers

Deconstructing indoor air

<table>
<thead>
<tr>
<th>Type of Pollutants /Problems</th>
<th>Approximate concentration of each pollutant in indoor air*</th>
</tr>
</thead>
<tbody>
<tr>
<td>House Dust, Pet Dander</td>
<td>15%</td>
</tr>
<tr>
<td>PM10, PM2.5, Pollen</td>
<td>30%</td>
</tr>
<tr>
<td>Chemical Fumes &amp; Toxins</td>
<td>23%</td>
</tr>
<tr>
<td>VOC &amp; Haze compounds</td>
<td>7%</td>
</tr>
<tr>
<td>Infectious substances</td>
<td>25%</td>
</tr>
<tr>
<td>Skin &amp; throat dryness, skin</td>
<td></td>
</tr>
<tr>
<td>&amp; throat irritation, skin</td>
<td></td>
</tr>
<tr>
<td>&amp; throat irritation, static electricity</td>
<td></td>
</tr>
</tbody>
</table>

* Deconstructing Indoor Air: Estimated pollution mix at indoor air depends on primarily three factors – season, geo location & occupant lifestyle factors

Effectsiveness of Pollutants: VOCs & gases. Certified by TÜV SÜD for safety & effectiveness

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. NEUTRALISATES 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 & 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.

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

- Mold
- Black mold, Stachybotrys, Aspergillus Niger

- Viruses
- Influenza viruses, Hepatitis A

- Allergens
- Dust mite, dust mite feces and remains

- Odors
- Smoke, cigarette odor, pet odor

- Static electricity

- Helps in removal of smoke and chemical fumes

ENLARGEMENT OF HEPA FILTER

The longer the surface area of the filter, the more dust and other harmful particles are captured.

Simulated Image of the EU-1200

Plasmacluster Technology

- Effectiveness of Pathogens, VOC & gases: Certified by 28 Global Labs for safety and effectiveness

Effectiveness of Pathogens, VOC & gases

Pre Filter can trap up to 10 micron dust particles

Micron Mesh Pre-Filter

CHARGED HEPA FILTER

Charge HEPA for extended life

HEPA Filter

Captures dust particles as small as 0.3 microns

Active Carbon Filter / Charcoal Layer

Helps in removal of smoke and chemical fumes

Enhancement of HEPA Filter

The longer the surface area of the filter, the more dust and other harmful particles are captured.

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

**Automobiles**

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.

**PCB Handling Areas**

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.

**IT Server Rooms**

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.

**Hotels & Restaurants**

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

**Office Meeting Rooms & Waiting Rooms**

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.

**Banks & Currency Chests**

Aside from neutralizing 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.

**Hospitals**

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.

**Kindergartens, Nursery Schools & Child Day Care Centers**

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.

**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.

**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, dust and mold. Sharp Air Purifiers neutralize all such threats to make the indoor environment safe for its inhabitants.

**Plasmacluster Air Purifier Applications**

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

- 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°)
Removing Threats from Your Daily Life to Provide You with a Comfortable and Safe Environment

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

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

**3 Mosquito Catcher**

- **UV light attracts mosquitoes**
- **Enticing 'Black' color**
- **Ideal entrance design**
- **Powerful airflow and suction**
- **Strong glue sheet**

In collaboration with the 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**

1. **Weight attracts mosquitoes**
2. **Driving Black color**
3. **Ideal entrance design**
4. **Powerful airflow and suction**
5. **Strong glue sheet**

FP-GM50E-B

**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. Then 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.

**FP-GM50E-B**

Recommended Room Size: 450 sq ft

- **Powerful airflow**
- **Unique filter design**
- **High-density Plasmacluster ions**
- **Haze Mode**

* Depending on room conditions.

*Glue Sheet (FZ-40STS, FZ-STS2M)
- **Insecticide-Free Glue Sheet**
- **Strong Catching Power**
- **Strong glue sheet catches mosquitoes**
- **Easy disposal without dirtying your hands**

3 Months Usage* Drawn with a marker for a more artistic touch.

These sheets can be used for all air purifiers with mosquito catcher.
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 40-60%RH). 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. 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%.

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 mucous membranes to maintain 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 moistened dry air, the membranes can dry out quicker than the moisture can be replenished by the body. This can contribute to the nasal passages 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.

As the nasal passages dry out from low humidity, the body’s ability to trap and filter out viruses and microbes that cause illness dries. When the dry membranes lose their ability to filter, more microbes can pass through. Even worse, as the mucous 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.

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 dries. When the dry membranes lose their ability to filter, more microbes can pass through.

Sore or Scratchy Throat: The same process that is drawing moisture from the nasal passages can also affect your throat. Nasal passages dry out from low humidity, the body’s ability to trap and filter out viruses and microbes that cause illness dries. When the dry membranes lose their ability to filter, more microbes can pass through.

Maintaining the level of indoor humidity between 30-70%RH is essential in the control of biological contaminants. This is because any areas that are below 30-40%RH will promote the growth of mold and fungi, and above 50%RH will slow and kill viruses, bacteria and static electricity. Inside vehicles, these naturally occurring ions fall to levels that abet the growth of mold fungi, bacteria, virus and static electricity. The air we breathe contains 40-50%RH, but vehicles quickly drop to levels as low as 10-20%RH, where mold and fungi thrive to the detriment of human health.

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.
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 m³/hr

**FP-GM50E-B**
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, 12 hours)
- Dust Indication Monitor
- Auto Restart

**DW-E16FA-W**
Air Purifier with Dehumidifier
Recommended Room Size: 300 sq ft
- Laundry Dehumidifying & Desodorizing
- Mold-Proof & Virus Neutralised
- Full-Tank Indicator
- Sensors: Odor, Temperature & Humidity

**Specs**

<table>
<thead>
<tr>
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<th></th>
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<tr>
<td>MRP (Rs)</td>
<td>12,000/-</td>
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<td>28,000/-</td>
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<tr>
<td>Air Purification System</td>
<td>Plasmacluster Ion Generator with HEPA Filter</td>
<td>Plasmacluster Ion Generator with True HEPA &amp; Active Carbon Filter</td>
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<tr>
<td>Additional Functions</td>
<td></td>
<td>Mosquito Catcher</td>
<td>Humidification &amp; De-Humidification &amp; Auto Restart (Not Default)</td>
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<td></td>
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<tr>
<td>Coverage Area (sq ft)</td>
<td></td>
<td>200</td>
<td>300 / 250</td>
<td>450</td>
<td>280 / 230</td>
<td>300</td>
<td>430</td>
<td>650 / 480</td>
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<tr>
<td>Air Flow (CFM)</td>
<td>160 / 108 / 48</td>
<td>240 / 150 / 90</td>
<td>240 / 150 / 90</td>
<td>305 / 186 / 90</td>
<td>240 / 170 / 75</td>
<td>306 / 186 / 90</td>
<td>400 / 310 / 120</td>
<td></td>
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<tr>
<td>Power Consumption (W)</td>
<td></td>
<td>35 / 23 / 17</td>
<td>24 / 15 / 10</td>
<td>24 / 15 / 10</td>
<td>21 / 12 / 8</td>
<td>21 / 12 / 8</td>
<td>47 / 31 / 22</td>
<td>36 / 28 / 20</td>
</tr>
<tr>
<td>Noise Level (dB)</td>
<td></td>
<td>47 / 31 / 25</td>
<td>48 / 32 / 21</td>
<td>48 / 32 / 20</td>
<td>45 / 30 / 20</td>
<td>49 / 35 / 25</td>
<td>55 / 40 / 35</td>
<td>52 / 42 / 29</td>
</tr>
<tr>
<td>Warranty</td>
<td>12 months, ON SITE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

**Plasmacluster**

Plasmacluster technology 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.

**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 Humidifier is being used, humidity levels drop sharply resulting in dryness of skin, hair, eyes. They are susceptible to infections. The humidification 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 periodically and never left to dry out. 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.

**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 filter life may vary according to use and environment conditions
- Due to continuous improvements and product upgrades, design & specifications are subject to change without notice

**Bactericidal & Virucidal**

- Sharp's Plasmacluster technology actively attaches to pollutants and breaks down their surface before returning to air as water vapour.
- Bactericidal & Virucidal effect is based on the destruction of bacteria & viruses by plasmacluster technology
- Sharp's Plasmacluster Technology is not a negative ioniser
- The Plasmacluster Generator produces positive and negative ions by breaking down water vapour in the air, which actively attach to pollutants and break down their surface before returning to air as water vapour.

**Specifications**

- Water tray capacity: 3 litres or Continuous Drainage
- The Filter Life may vary according to use and environment conditions
- Power Consumption (W)
- Warranty

**Model**
- FU-A28E-W
- FP-F40E-WB
- FP-FM40E-B
- FP-GM50E-B
- KC-F30E-W
- DW-E16FA-W
- FP-G50E-W
- FU-A80E-W

**Water tray capacity**
-连续排水

**滤网寿命**
-滤网的使用寿命可能因使用环境条件而异

**Power Consumption (W)**
- 38 / 10 / 7 / 130 (W x H x D)
- 47 / 18 / 4.0 (W x H x D)
- 75 / 20 / 5 (W x H x D)
- 85 / 15 / 24 (W x H x D)
- 120 / 50 / 10 (W x H x D)
- 180 / 15 / 20 (W x H x D)
- 220 / 15 / 20 (W x H x D)
- 360 / 650 / 260 (W x H x D)
- 402 / 620 / 245 (W x H x D)
- 470 / 620 / 245 (W x H x D)
- 500 / 620 / 245 (W x H x D)
- 550 / 620 / 245 (W x H x D)
- 600 / 620 / 245 (W x H x D)
- 650 / 620 / 245 (W x H x D)

**Filter Life**
- Auto Restart
- No
- Yes
- Yes
- Yes
- Yes
- No
- No

**Sensors**
- -
- Colour & Dust (PM10)
- Dust (PM10)
- 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)
- 385 x 340 x 203 (W x H x D)
- 391 x 540 x 291 (W x H x D)
- 386 x 540 x 281 (W x H x D)
- 380 x 540 x 271 (W x H x D)
- 360 x 580 x 263 (W x H x D)
- 385 x 540 x 240 (W x H x D)
- 402 / 620 / 245 (W x H x D)

**Net Weight (kg)**
- 3.4
- 4.7
- 5.8
- 6.1
- 7.2
- 12.3
- 5.1

**Power Consumption (W)**
- 48 / 27 / 12 (W x H x D)
- 27 / 12 / 4.1 (W x H x D)
- 33 / 14 / 6.2 (W x H x D)
- 51 / 17 / 4.6 (W x H x D)
- 21 / 12 / 6 (W x H x D)
- 38 / 10 / 7 / 130 (W x H x D)
- 47 / 18 / 4.0 (W x H x D)
- 75 / 20 / 5 (W x H x D)

**Noise Level (dB)**
- 47 / 31 / 25
- 48 / 32 / 21
- 48 / 32 / 20
- 49 / 36 / 21
- 55 / 35 / 27
- 52 / 42 / 23
- 53 / 41 / 23

**Guarantee**
- 12 months, ON SITE
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
- Toilet
- Bathroom
- Ventilation system

For vehicles
- Car
- Bus
- Train

For buildings
- Office
- Factory
- Hospital
- Hotel

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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