



Plasmacluster Ion Generator & Air Purifiers

Shield of Plasmacluster protects you by

Killing airborne viruses including H5N1/H1N1 influenza virus

Reducing Asthma triggers by preventing dust mite allergens from mattress, pillows, furniture, carpets etc

Destroying airborne microbes and bacteria like E.coli, MRSA etc

Stopping airborne and adhering fungus and mould from damp, humid places

Neutralising toxins from harmful airborne chemicals & Removes static electricity, pollen

Eliminating odour from cigarette, pets, toilets, sweat, kitchen garbage, combustion etc



The Sharp Plasmacluster range has sold more than

3 Crore Units



Why is forest air fresh?

Forest air has the perfect balance of the positive hydrogen and negative oxygen ions, as a result the air is fresh. The concentration of positive hydrogen and negative oxygen ions are more than 4100 ions/cm³ whereas in the urban outdoors it drops to less than 900 ions/cm³

Why is indoor air stuffy & stale?

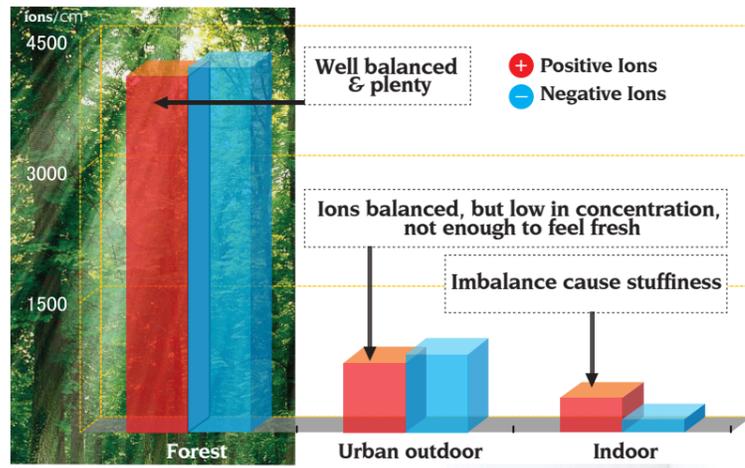
Indoors, the positive and negative ions fall to 400 ions/cm³ making it stuffy and stale.

Why is stale air harmful?

As the level of the positive and negative ions fall to 400 ions/cm³, it creates a breeding ground for dust mites and allergens. The allergens are triggers for respiratory diseases such as asthma, bronchitis etc.

Doesn't exposure to sunlight kill the allergens?

Although exposure to sunlight helps to an extent, it does not eliminate dust mites, trapped in soiled sheets and carpets. As the temperature and humidity rise, moulds become active. Moulds are unpleasant and toxic. During warm season static electricity increases, which attracts pollen to our clothes, curtains sheets etc. The pollen grains are potent triggers for asthma. Thus, it is a mistaken assumption that sunlight makes the air safe.



Is Plasmacluster ion technology safe and effective?

High reliability safety data has been acquired from GLP-compliant (Good Laboratory Practices) testing facilities from all across the world. Plasmacluster ion technology is proven safe for human use.

18 research organizations have certified the effectiveness and efficiency of Plasmacluster ions against 29 types of harmful substances (virus; allergens, mould fungi and bacteria) as well as their efficiency in eliminating odours.

99.8% allergens removed

Plasmacluster ions cut through and remove proteins in suspended allergens generated by dust mite feces and dead mites, thus reducing their effects.

Removal Effectiveness for dust mite allergens in suspended in airborne dust

Condition	Removal Rate (%)
Without Plasmacluster ions (0.050 ions/cm ³)	~10%
With Plasmacluster ions (0.050 ions/cm ³)	99.8%

Allergens (Mite excrement and remains)

- Hiroshima University Graduate School of Advanced Sciences of Matter
- Biochemistry and Molecular Pathology, Graduate School of Medicine, Osaka City University

99% Bacteria killed

Plasmacluster ions break down and remove proteins from the surface of suspended and airborne bacteria, thereby reducing the effect after about 38 minutes. Credible academics and professionals have validated the effects of Plasmacluster technology.

Bacteria

Adhering Bacteria

- Kitasato Institute Medical Center Hospital, Kitasato Institute

Airborne Bacteria

- Ishikawa Health Service Association
- Shanghai Municipal Center for Disease Control and Prevention (China)
- Kitasato Research Center of Environmental Sciences
- Kitasato Institute Medical Center Hospital, Kitasato Institute
- Prof. Artmann, Aachen University of Applied Sciences, Germany
- Prof. Emeritus Melvin First, Harvard School of Public Health (U.S.A.)

Removing Stubborn Odours with Plasmacluster

Plasmacluster ions has been found effective in removal of odours from cigarette, sweat, pets, toilet, combustion, kitchen garbage etc by reacting with the foul smelling substances. Credible academics and professionals have validated the effects of Plasmacluster technology.

Adhering Odours

- Japan Spinners Inspecting Foundation

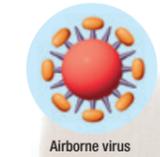
BAF Seal of Approval

Plasmacluster ions has been found most effective in removal of allergy triggers like seasonal viral, animals with fur, dust mites, mould, pollen airborne chemicals etc. BAF Seal of approval is acknowledged as the most recognized mark of allergy sufferers.

Reduction of static electricity

Plasmacluster ions reduce static electricity, preventing pollen and airborne dust from clinging to curtains, clothing, carpets, furnitures and other surfaces.

Viruses



Clean from far... Far from clean!

Allergens



Why is safe air important?

Common diseases like morning allergy, smallpox, influenza, tuberculosis etc occurs due to airborne contaminants. Some of them are even life threatening. Our immune system is bombarded by dust mites and host of unwanted airborne contaminants making our immune system work overtime. As a result our immune system becomes weak and we may have health problem. There is a high concern and awareness for safe water, pesticide free safe food but low awareness about safe air. **Safe air is life itself!**

How can you get safe air?

Sharp's patented plasmacluster ion technology offers forest fresh, safe air which rejuvenates you, allowing you to celebrate life.

How does Plasmacluster ion technology work?

Plasmacluster ion technology produces positive hydrogen and negative oxygen ions, similar to those that exist in nature. The ions are surrounded by water vapour present in the air and form clusters, hence the name plasmacluster. These ions create hydroxyl ions that remove the hydrogen from the surface proteins of moulds and viruses there by destroying them. This revolutionary air treatment method create forest fresh safe air, kills harmful airborne virus, bacteria, microbes etc and removes unpleasant odours from cigarette, smoke, pets, food, toilets etc.

99.9% Viruses killed

Plasmacluster ions break down and remove projecting spike-shaped proteins of suspended and adhering viruses, and reduces their effects.

Reduction of airborne viruses

Condition	Reduction Rate (%)
Without Plasmacluster ions (7,000 ions/cm ³)	~10%
With Plasmacluster ions (7,000 ions/cm ³)	99.9%

Viruses

Adhering Virus

- Retroscreen Virology (U.K.)
- Vietnam National University - Hanoi College of Technology

Adhering Virus

- Retroscreen Virology (U.K.)
- Kitasato Research Center of Environmental Sciences
- Seoul National University (South Korea)
- Shanghai Municipal Center for Disease Control and Prevention (China)
- Kitasato Institute Medical Center Hospital, Kitasato Institute

99.9% mould reduced

Plasmacluster ions cut through and remove the Bacterial protein of both suspended as well as clinging surfaces. Credible academics and professionals have validated the effects of Plasmacluster technology.

Mould Bacteria

Adhering mould Bacteria

- Medical School of Luebeck (Germany)
- Japan Food Research Laboratories

Airborne mould Bacteria

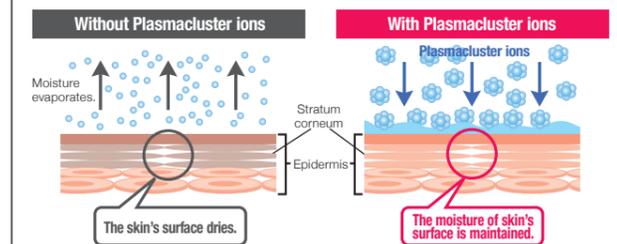
- Ishikawa Health Service Association
- Prof. Artmann, Aachen University of Applied Sciences (Germany)

Anti ageing solution that does not come in a bottle!

It has been proven that plusmacluster helps to maintain skin's moisture level, improves it's elasticity and acts to smoothen it's texture.



The Mechanism of Skin Moisturisation



• **Testing body: Soiken Inc, Japan**

• **Test results:** After 60 minutes of exposure to high density Plasmacluster Ions, the moisture content of the skin, skin elasticity and texture is improved significantly. It was also confirmed the effectiveness of the water molecular coating function in curbing excess sebum (oiliness) from the skin.

General application - Home, Office, Clinic, Restaurant, SPA, Gym



Model Number	FU-W43E	FU-Z31E-W	IG-CL15E-W
MRP ₹	19,990	14,990	14,990
Air Purification System	Plasmacluster Ion Generator, HEPA & Active Carbon Filter	Plasmacluster Ion Generator, HEPA & Active Carbon Filter	High Density Plasmacluster Ion Generator
Coverage Area (Sq ft)	330	230	170
Filter Type			
Dust Collection	HEPA	HEPA (class H10 in EN) & Deodorizing	
Deodorization	Activated Charcoal filter	Yes	
Pre-Filter	Yes	No	
Filter Life*3			
Dust Collection	Up to 2 years	Up to 2 years	Not Applicable
Deodorization	Up to 2 years	Up to 2 years	
Sensors			
Dust	No	No	
Odour	Yes	Yes	
Automatic Operation	Yes	Yes	
Clean Sign Indicator	Yes (3 steps)	Yes	
Dimensions (mm)	410 x 158 x 430 (W x D x H)	356 x 180 x 510 (W x D x H)	265 x 155 x 330 (W x D x H)
Net Weight (kg)	4.3	5	3.1
Voltage & Frequency	220~240 & 50/60Hz	220~240 & 50/60Hz	220~240 & 50/60Hz
Power Consumption (Watts)	27 (Max)	49 / 32 / 23 (Max / Med / Low)	24 / 15 (Max / Low)
Noise Level (dBA)	52 / 40 / 18 (Max / Med / Low)	44 / 35 / 24 (Max / Med / Low)	42 / 32 (Max / Low)

Specialized Application - Airports, Large Lobbies, Hospital



Model Number	FU-A80E-W	IG-A20E-W	KC-930E-W	IG-A10E-W
MRP ₹	25,990	57,990	19,990	19,990
Air Purification System	Plasmacluster Ion Generator, HEPA & Active Carbon Filter	High Density Plasmacluster Ion Generator	Plasmacluster Ion Generator & All-in-one Dust Collection, Deodorizing & Humidifying Filter	High Density Plasmacluster Ion Generator
Coverage Area (Sq ft)	680	475	240	150
Filter Type				
Dust Collection	HEPA (Class E10 in EN1822)*3		All-in-one dust collection /	
Deodorization	Activated Charcoal filter		Deodorizing Filter	
Pre-Filter	No		Yes	
Filter Life*3				
Dust Collection	Up to 2 years	Not Applicable	Up to 2 years	Not Applicable
Deodorization	Up to 2 years		Up to 2 years	
Sensors				
Dust	Yes		No	
Odour	No		Yes	
Automatic Operation	Yes		Yes	
Clean Sign Indicator	Yes		Yes (3 steps)	
Dimensions (mm)	402 x 620 x 245 (W x H x D)	594 x 230 x 480 (W x D x H)	375 x 205 x 535 (W x D x H)	140 x 160 x 345 (W x D x H)
Net Weight (kg)	8	10.5	6.1	2.5
Voltage & Frequency	220~240 & 50/60Hz	220~240 & 50/60Hz	220~240 & 50/60Hz	220~240 & 50/60Hz
Power Consumption (Watts)	75/20/5 (Max / Med / Low)	22 / 14 / 9 (Max / Med / Low)	27 / 13 / 4.5 (Max / Med / Low)	14 / 6.5 (Max / Low)
Noise Level (dBA)	53 / 41 / 23 (Max / Med / Low)	45 / 40 / 34 (Max / Med / Low)	48 / 39 / 22 (Max / Med / Low)	44 / 34 (Max / Low)

Note: *3 The value of the Filter Life will vary according to the frequency of usage and the conditions of the surrounding environment.

SHARP

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In the endeavor to upgrade products consistently, design and specifications are subject to change without notice.

