



Plasmacluster Air Purifier

Helping to keep your air clean and your people safe

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SHARP
Be Original.



Creating a healthy work environment

Plasmacluster aids with the reduction of airborne particles to help keep the people that power your business safe and healthy.

At Sharp, we understand that businesses are successful because of the people that work within them, and protecting those people from potential threats should be a top priority. That's why we've developed our own range of air purifiers and humidifiers. These help reduce the presence of airborne particulates, such as pollen, dust and liquid droplets, and support your business in keeping your people healthy.

A smart process

Plasmacluster replicates naturally occurring ions and ejects them into the air. These ions are surrounded by water molecules and act as the air cleaning agent to first

catch the smallest of particles within the surrounding air. Once caught, the ions adhere to the microbes and break them down by removing hydrogen from their surface proteins. This causes the tiny dust particles to pull and form together into larger particulates that sink towards the ground. From there Plasmacluster's fast airflow technology collects and removes them from the air.

Once the microbes are safely stored within Plasmacluster the filtration system filters them out, and hydroxide radicals combine with hydrogen to form clean water particles, which is then returned with the clean air to the room.

Odour elimination

- Helps remove smells from clothing
- Filters out odours within rooms



Less cleaning

- Dust in the air doesn't settle, less dust means less cleaning



Improved air quality

- Reduces harmful man-made particles produced through industry, waste treatment or disposal and agriculture
- Eliminates air pollution from cleaning sprays and cosmetics



Illness prevention

- Allergies such as hay fever
- Virus and bacteria carrying particles





The latest in health technology

Plasmacluster's triple filtration system makes quick work of airborne particles and odours.

The device uses a smart three-step approach to particle filtration. The first step, or pre-filter, works to remove and absorb dust and harmful particulates. The second step, or odour filter eliminates unpleasant or bad smells from the air, like cigarette smoke and other homemade odours.

Step three uses a HEPA filter to remove 99.97% of all pollen, allergens, viruses, mould and bacteria from the surrounding air. By removing harmful particulate matter from the air, Plasmacluster helps to keep your spaces clean and your people safe.

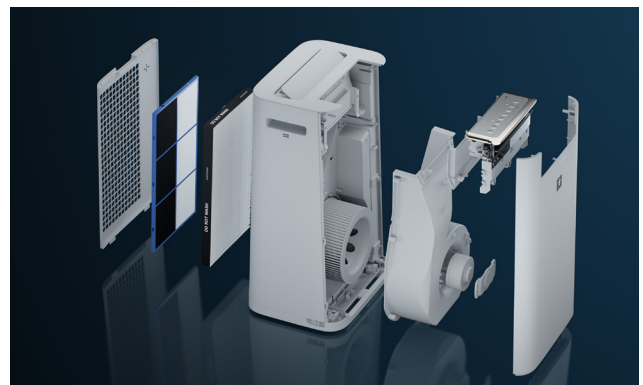
Air humidification system

Once air is filtered, Plasmacluster works like a humidifier to release water molecules too small to carry dangerous particles, delivering clean and hygienic air to the surrounding area.

Either manually or automatically, the device adjusts the level of humidity based on room temperature, which helps improve indoor climate and staff productivity. By eliminating dry pathogenic air, and at the right humidity, you can even prevent the throat and eyes from drying, and keep skin moisturised and healthy.

Sensor Technology

The system uses smart sensor technology to continuously monitor the surrounding air for cleanliness, humidity, and temperature. If anomalies are detected they automatically trigger Plasmacluster to adjust its working mode and bring air quality back to normal. Sensor sensitivity can be adjusted by the user, so you can make sure the automatic operations of the device are suited to the individual needs of you and your business.



MODEL	HD40	HD50	HD60	KIN40	KIN50	KIL60	KIL80
Cleaning Technology	Mechanical Filtration. Plasmacluster Ion HD 7000	Mechanical Filtration. Plasmacluster Ion HD 7000	Mechanical Filtration. Plasmacluster Ion HD	Mechanical Filtration. Plasmacluster Ion HD 25000	Mechanical Filtration. Plasmacluster Ion HD 25000	Mechanical Filtration. Plasmacluster Ion HD 25000	Mechanical Filtration. Plasmacluster Ion HD 25000
Max. Room Area [m2]	26	38	48	28	38	50	62
Air Efficiency in Max Mode [m2]	216	306	396	240	306	408	510
Moisture Efficiency [ml/h]	44	600	660	440	600	660	700
Noise level [dBA] *	23	23	25	46	51	51	51
Air Filtration	3 levels of Filtration	3 levels of Filtration	3 levels of Filtration	3 levels of Filtration	4 levels of Filtration	4 levels of Filtration	4 levels of Filtration
Filters:Pre-Filter / Odour / HEPA Humidity	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
Sensors: Dust / Humidity / Temperature	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Sensors: Smell / Motion / Light	xxx	✓xx	✓xx	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Operating Modes: Intelligent / Auto / Sleep / Pollen	x✓✓✓	x✓✓✓	x✓✓✓	x✓✓✓	x✓✓✓	x✓✓✓	x✓✓✓
Fan Speed : Max / Med / Low	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓	✓✓✓
Timer / Automatic shutdown	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓	✓✓
PM 2.5 Indicator	x	x	x	✓	✓	✓	✓
Ion Shower/spot Function	✓x	✓x	✓x	✓x	✓✓	✓✓	✓✓
Filter Maintenance Indicator	✓	✓	✓	✓	✓	✓	✓
Children Protection	✓	✓	✓	✓	✓	✓	✓
Air Pollution Indicator	✓	✓	✓	✓	✓	✓	✓
Power [W] **	5	5	5.5	6.1	6.1	5.5	6
Additional Equipment	Hepa Filter UZ-HD4HF Odour Filter UZ-HD4DF Humidification Filter UZ-HD6MF	Hepa Filter UZ-HD4HF Odour Filter UZ-HD4DF Humidification Filter UZ-HD6MF	Hepa Filter UZ-HD6HF Odour Filter UZ-HD6DF Humidification Filter UZ-HD6MF	Hepa Filter UZ-HD6HF Odour Filter UZ-HD4DF Humidification Filter UZ-KIL8MF	Hepa Filter UZ-HD4HF Odour Filter UZ-HD4DF Humidification Filter UZ-HD6MF	Hepa Filter UZ-HD6HF Odour Filter UZ-HD6DF Humidification Filter UZ-HD6MF	Hepa Filter UZ-HD6HF Odour Filter UZ-HD4DF Humidification Filter UZ-KIL8MF
Height / Width / Depth [mm]	615/399/230	615/399/230	637/420/242	619/384/230	619/384/230	760/485/417	
Colour	Light Grey	Light Grey	Light Grey	White	White	White	White
Warranty	1 year	1 year	1 year	1 year	1 year	1 year	1 year



Scan the QR code opposite for further details of all scientific information and testing around Sharp's Plasmacluster products.