Plasmacluster Ions inactivate airborne mold spores and reduce mold odours

Plasmacluster Ions inactivate airborne mold spores and reduce mold odours. They also reduce mold odours caused by propagation of mold. Plasmacluster Ion technology is effective against cigarette smoke* that contains nitrogen oxide (NO), styrene and acetic acid.

* Toxic substances found in smoke, such as carbon monoxide, cannot be removed.

Plasmacluster Ions create +/- ion balance

In contrast to the city, the forest has a perfect balance of +/- ions, creating a clean and healthy environment. Sharp Corporation, as part of our commitment to the earth has replicated this natural process in Plasmacluster Ion Technology. Our built-in sensors monitor your environment and react to maintain this perfect balance.

Plasmacluster Ions inactivate airborne mold spores and reduce mold odours. They also reduce mold odours caused by propagation of mold. Plasmacluster Ion technology is effective against cigarette smoke* that contains nitrogen oxide (NO), styrene and acetic acid.

* Toxic substances found in smoke, such as carbon monoxide, cannot be removed.

Plasmacluster Ions create +/- ion balance

In contrast to the city, the forest has a perfect balance of +/- ions, creating a clean and healthy environment. Sharp Corporation, as part of our commitment to the earth has replicated this natural process in Plasmacluster Ion Technology. Our built-in sensors monitor your environment and react to maintain this perfect balance.

Plasmacluster Ions inactivate airborne mold spores and reduce mold odours. They also reduce mold odours caused by propagation of mold. Plasmacluster Ion technology is effective against cigarette smoke* that contains nitrogen oxide (NO), styrene and acetic acid.

* Toxic substances found in smoke, such as carbon monoxide, cannot be removed.

Plasmacluster Ions create +/- ion balance

In contrast to the city, the forest has a perfect balance of +/- ions, creating a clean and healthy environment. Sharp Corporation, as part of our commitment to the earth has replicated this natural process in Plasmacluster Ion Technology. Our built-in sensors monitor your environment and react to maintain this perfect balance.

Plasmacluster Ions inactivate airborne mold spores and reduce mold odours. They also reduce mold odours caused by propagation of mold. Plasmacluster Ion technology is effective against cigarette smoke* that contains nitrogen oxide (NO), styrene and acetic acid.

* Toxic substances found in smoke, such as carbon monoxide, cannot be removed.

Plasmacluster Ions create +/- ion balance

In contrast to the city, the forest has a perfect balance of +/- ions, creating a clean and healthy environment. Sharp Corporation, as part of our commitment to the earth has replicated this natural process in Plasmacluster Ion Technology. Our built-in sensors monitor your environment and react to maintain this perfect balance.

Plasmacluster Ions inactivate airborne mold spores and reduce mold odours. They also reduce mold odours caused by propagation of mold. Plasmacluster Ion technology is effective against cigarette smoke* that contains nitrogen oxide (NO), styrene and acetic acid.

* Toxic substances found in smoke, such as carbon monoxide, cannot be removed.

Plasmacluster Ions create +/- ion balance

In contrast to the city, the forest has a perfect balance of +/- ions, creating a clean and healthy environment. Sharp Corporation, as part of our commitment to the earth has replicated this natural process in Plasmacluster Ion Technology. Our built-in sensors monitor your environment and react to maintain this perfect balance.

Plasmacluster Ions inactivate airborne mold spores and reduce mold odours. They also reduce mold odours caused by propagation of mold. Plasmacluster Ion technology is effective against cigarette smoke* that contains nitrogen oxide (NO), styrene and acetic acid.

* Toxic substances found in smoke, such as carbon monoxide, cannot be removed.

Plasmacluster Ions create +/- ion balance

In contrast to the city, the forest has a perfect balance of +/- ions, creating a clean and healthy environment. Sharp Corporation, as part of our commitment to the earth has replicated this natural process in Plasmacluster Ion Technology. Our built-in sensors monitor your environment and react to maintain this perfect balance.

Plasmacluster Ions inactivate airborne mold spores and reduce mold odours. They also reduce mold odours caused by propagation of mold. Plasmacluster Ion technology is effective against cigarette smoke* that contains nitrogen oxide (NO), styrene and acetic acid.

* Toxic substances found in smoke, such as carbon monoxide, cannot be removed.

Plasmacluster Ions create +/- ion balance

In contrast to the city, the forest has a perfect balance of +/- ions, creating a clean and healthy environment. Sharp Corporation, as part of our commitment to the earth has replicated this natural process in Plasmacluster Ion Technology. Our built-in sensors monitor your environment and react to maintain this perfect balance.

Plasmacluster Ions inactivate airborne mold spores and reduce mold odours. They also reduce mold odours caused by propagation of mold. Plasmacluster Ion technology is effective against cigarette smoke* that contains nitrogen oxide (NO), styrene and acetic acid.

* Toxic substances found in smoke, such as carbon monoxide, cannot be removed.

Plasmacluster Ions create +/- ion balance

In contrast to the city, the forest has a perfect balance of +/- ions, creating a clean and healthy environment. Sharp Corporation, as part of our commitment to the earth has replicated this natural process in Plasmacluster Ion Technology. Our built-in sensors monitor your environment and react to maintain this perfect balance.

Plasmacluster Ions inactivate airborne mold spores and reduce mold odours. They also reduce mold odours caused by propagation of mold. Plasmacluster Ion technology is effective against cigarette smoke* that contains nitrogen oxide (NO), styrene and acetic acid.

* Toxic substances found in smoke, such as carbon monoxide, cannot be removed.

Plasmacluster Ions create +/- ion balance

In contrast to the city, the forest has a perfect balance of +/- ions, creating a clean and healthy environment. Sharp Corporation, as part of our commitment to the earth has replicated this natural process in Plasmacluster Ion Technology. Our built-in sensors monitor your environment and react to maintain this perfect balance.
Plasmacluster Ions are effective against airborne viruses and mold spores

Inactivation Performance on Airborne Viruses

Plasmacluster Ions inactivate airborne viruses. Plasmacluster Ions inactivate airborne viruses through the following mechanism:

1. Hydroxyl (·OH) is a by-product of plasma cluster ions. Hydroxyl is a strong oxidizing agent that can inactivate airborne viruses.

2. Hydroxyl can react with water vapor to form hydroxyl radical (·HO).

3. These oxidizing agents can inactivate airborne viruses by reacting with the outermost cell of the virus, inactivating the virus.

Conventional air purification systems filter air through the room, which is not only a time-consuming process but also results in sections of the room being fully unpurified. Sharp's Plasmacluster Ion technology, in contrast, releases Plasmacluster Ions throughout the entire room, cleaning all of the air quality and directions.

Slim and stylish design to fit any decor

A powerful unit capable of rapidly purifying the air in a large room

A stylish unit for smaller rooms

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>FPN60CX(Silver)</th>
<th>FPN40CX</th>
<th>FPN25CX(Silver)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. Weight</td>
<td>Approx. 9 kg</td>
<td>Approx. 2 kg</td>
<td>Approx. 1.8 kg</td>
</tr>
<tr>
<td>Approx. Height</td>
<td>416 x 572 x 202 mm</td>
<td>420 x 420 x 150 mm</td>
<td>18-141</td>
</tr>
<tr>
<td>230/140/140</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Consumption (Watts)</td>
<td>0.8W in Standby / 4-54W in Operation</td>
<td>28.1W</td>
<td>12W</td>
</tr>
<tr>
<td>Program Mode</td>
<td>Festive Power / Automatic Operation / Special for Pollen Removal</td>
<td>Special</td>
<td>Special</td>
</tr>
<tr>
<td>Sensor</td>
<td>Odour / Pollen</td>
<td>Odour</td>
<td>Odour</td>
</tr>
<tr>
<td>Anti-bacteria Apatite HEPA Filter</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Anti-Bacteria</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Odour Sensor</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Apatite HEPA Filter</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Automatic Ion Balance Control</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Stamina Power</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Activated Carbon Filter</td>
<td>Washable Activated Carbon</td>
<td>Washable Activated Carbon</td>
<td>Washable Activated Carbon</td>
</tr>
<tr>
<td>Filter Replacement Guideline*2</td>
<td>Approx. 5 years</td>
<td>Approx. 5 years</td>
<td>Approx. 5 years</td>
</tr>
</tbody>
</table>

Product Design and Specifications are subject to change without notice.

* Design and specifications are current as of February 2003, but are subject to change without prior notice.

*1 Applicable floor area: Measured according to JEM1467, the standards of the Japan Electrical Manufacturer's Association.

*2 Filter replacement guideline: Based on the assumption of use for eight hours per day, 365 days per year, the filter replacement guideline is as follows:

- FPN60CX(Silver) Approx. 5 years
- FPN40CX Approx. 5 years
- FPN25CX(Silver) Approx. 5 years

Plasmacluster Ion Technology researched and awarded

Sharp's Plasmacluster Ion technology has been acclaimed by academic institutions from around the world. It has received many awards, including the Takagi Award from the Society of Non-Traditional Technology. The effectiveness was validated in the following countries:

• Japan
• Germany
• Sweden
• the United States
• Japan
• China

Plasmacluster Ions/Fan Type

PN40CX (Silver) FPN60CX

PN25CX (Silver)

Plasmacluster Ions are effective against airborne viruses and mold spores.