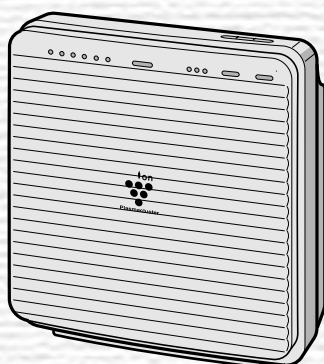


SHARP®



Free standing type
Tisch- / Wandgerät
Type de table / installation murale
De sobremesa / instalación en la pared
Tipo da scrivania / parede
Tafelmodel / wandmodel

*Plasmacluster is a trademark of Sharp Corporation.

FU-S25E

**AIR PURIFIER
OPERATION MANUAL**

**LUFTREINIGER
BEDIENUNGSANLEITUNG**

**PURIFICATEUR D'AIR
MANUEL D'UTILISATION**

**PURIFICADOR DE AIRE
MANUAL DE USO**

**PURIFICATORE
DELL'ARIA
MANUALE OPERATIVO**

**LUCHTREINIGER
GEBRUIKSAANWIJZING**

ENGLISH

DEUTSCH

FRANÇAIS

ESPAÑOL

ITALIANO

NEDERLANDS

Please read before operating your new Air Purifier

The air purifier draws in room air from its air intake, lets the air pass through a Active Carbon Filter (deodorization filter) and a HEPA Filter (dust collection filter) inside of the unit, then discharges the air from its air outlet. The air purifier unit repeats this process by moving its internal fan.

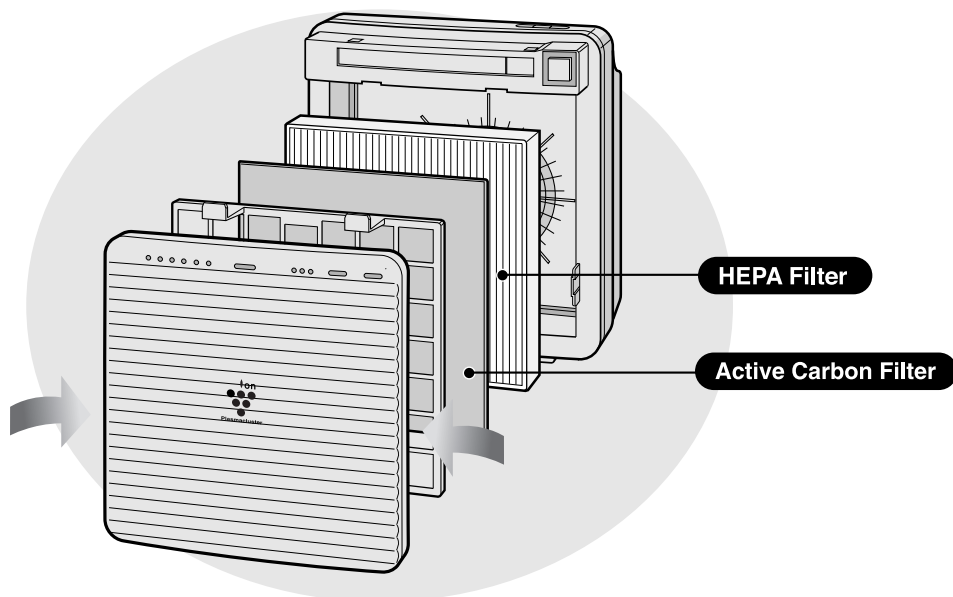
As air passes through, a new HEPA Filter can remove 99.97% of dust particles, of as small as 0.3 microns. The Active Carbon Filter gradually absorbs odour elements as they repeatedly pass through the filter. (Odour elements are absorbed by HEPA Filter as well.)

Some odour ingredients absorbed by the filters may become separated and may be discharged through the air outlet and result in additional odour. Depending on the usage environment, especially when the product is used in a condition significantly more severe than household use, this odour may become strong in a shorter period than expected.

If the odour persists, then the filters are fully expended and it is necessary to purchase the optional replacement filter.

NOTE

- The air purifier is designed to remove air-suspended dust and odour, but not harmful gases (for example, carbon monoxide contained in cigarette smoke). If the odour sources still exist, it cannot completely remove the odour. (for example, odours from construction materials and pet odours).
- It is suggested to open the window a bit when you are smoking in order to facilitate ventilation.



FEATURES

ION SHOWER

New ION SHOWER Operation Mode releases the concentrated Plasmacluster Ions, and effectively removes the pollen and mold, and also controls the activity of airborne virus, mold, and allergen.

Plasmacluster Ion Control

Your new air purifier will control the ratio of negative ions and positive ions depending on the condition of the room.

• Clean Mode

Approximately the same numbers of positive and negative ions are discharged.

• AUTO Plasmacluster Ion Mode

The unit will switch between Clean Mode and Ion Control Mode* automatically depending on the amount of impurities in the air detected by the odour and dust sensors.

*Ion Control Mode

Negative ions will be released in an increased rate and controls the ion balance.

• Filters

1) Washable Active Carbon Filter

Absorbs odour elements.
Washable to maintain optimum deodorization performance.

2) HEPA (High Efficiency Particulate Air) Filter

High-efficiency particle collection including pollen and dust.

CONTENTS

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- CAUTIONS CONCERNING OPERATION ... E-3
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Thank you for purchasing the SHARP Air Purifier. Please read this manual carefully for the correct usage information. Before using this product, be sure to read the section: "Important Safety Instructions."

After reading this manual, retain it in a convenient location for future reference.

IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should be followed, including the following:

WARNING - To reduce the risk of electrical shock, fire or injury to persons:

- Read all instructions before using the air purifier.
- Use only a 220-240 volt outlet.
- **Do not use the air purifier if the power cord or plug is damaged or the connection to the wall outlet is loosened.**
- Periodically remove dust from the power plug.
- **Do not insert fingers or foreign objects into the intake or air outlet.**
- **When removing the power plug, always hold the plug and never pull the cord.**

Electrical shock and/or fire from short circuit may occur as a result.

- **Do not remove the plug when your hands are wet.**
- **Do not use this air purifier near gas appliances or fireplaces.**
- **Remove the power plug from the wall outlet before cleaning the unit and when not using the unit.**

Electrical shock from bad insulation and/or fire from short circuit may occur as a result.

- **If the power cord is damaged, it must be replaced by the manufacturer, its service agent, Sharp authorized Service Centre or similarly qualified person in order to avoid a hazard.**
- Do not operate when using aerosol insecticides or in rooms where there is oily residue, incense, sparks from lit cigarettes, chemical fumes in the air or in very high humidity condition, such as a bathroom.
- Be cautious when cleaning the air purifier. Strong corrosive cleansers may damage the exterior.
- Only Sharp Authorized Service Centre should service this air purifier. Contact the nearest Service Centre for any problems, adjustments, or repairs.

NOTE - Radio or TV Interference

If this air purifier should cause interference to radio or television reception, try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the air purifier and radio/TV receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT SAFETY INSTRUCTIONS

CAUTIONS CONCERNING OPERATION

- Do not block the intake and air outlet.
- Do not use the unit near or on hot objects, such as stoves or heaters or where it may come into contact with steam.
- Do not lay the unit down when using.
- **Always hold the handle on the back of the unit when moving it.**
Holding the front panel when carrying may cause it to detach, thus dropping the unit and resulting in bodily injury.
- **Do not operate the unit without the filter.**
- **Do not wash and reuse HEPA filter .**
It not only does not improve filter performance, it may cause electric shock or malfunction.
- **Clean the exterior with a soft cloth only.**
The unit surface may be damaged or cracked.
In addition, the sensors may malfunction as a result.

INSTALLATION GUIDELINES

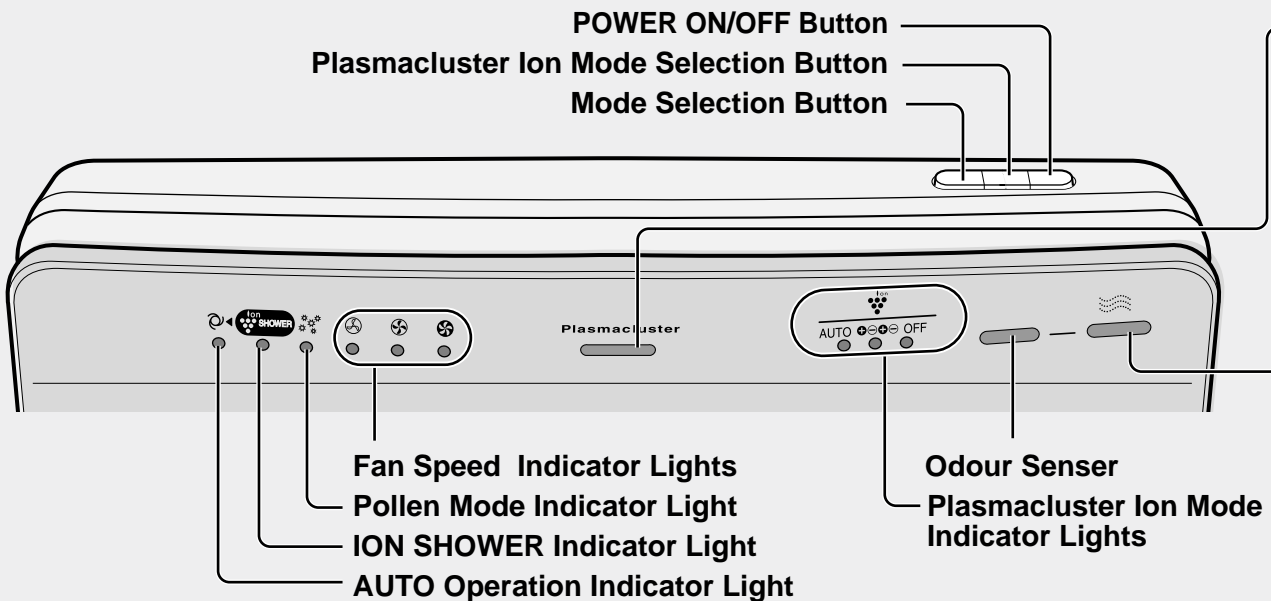
- **During the operation of the product, please place the unit at least 2m away from equipments which involve electric wave such as televisions, radios or wave clocks, in case electrical interference occurs to such equipment.**
- **Avoid a location where the sensor is exposed to direct wind.**
The unit may not operate properly.
- **Avoid locations where curtains, etc., come into contact with the intake or air outlet.**
Curtains, etc., may become dirty or a malfunction may occur.
- **Avoid locations where the unit is exposed to condensation, due to drastic temperature changes.**
(Use under appropriate conditions between 0 and 35°C in the room.)
- **Place on a stable surface with sufficient air circulation.**
When placing the unit on a heavily carpeted area, it may cause the unit to vibrate slightly.
- **Do not install when there is generation of lampblack, such as in a kitchen, etc.**
The unit surface may crack or the sensor may malfunction as a result.
- **Leave about 60cm of space from the wall.**
The wall behind the air outlet may become dirty as time passes. When using the unit for extended period of time in the same location, use a vinyl sheet, etc., to prevent the wall from becoming dirty. In addition, periodically clean the wall.

FILTER GUIDELINES

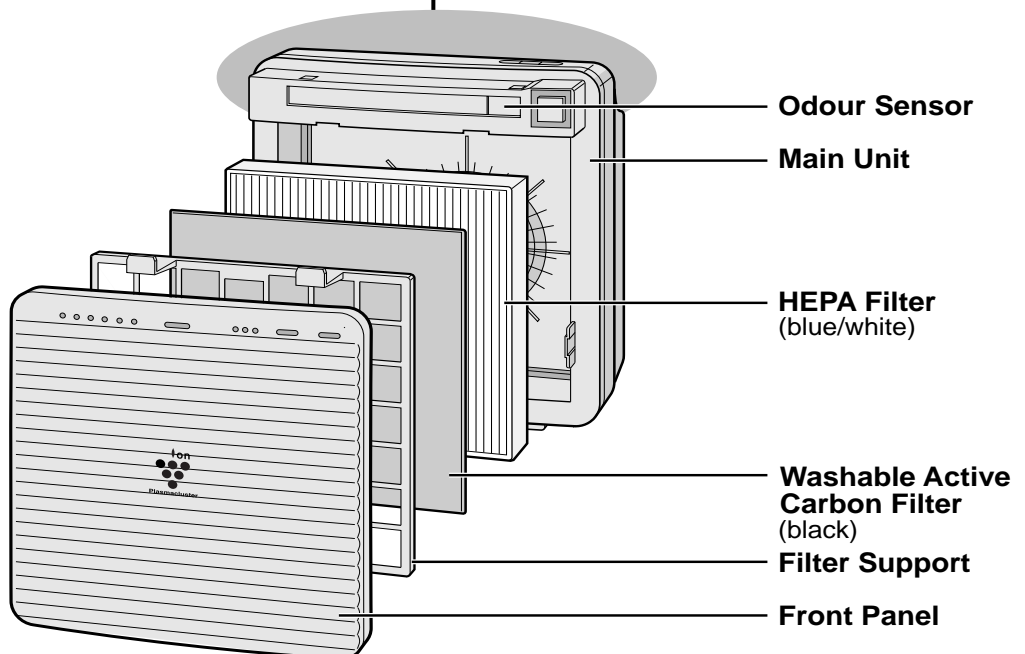
- Follow the instructions in this manual for correct care and maintenance of the filters.

PART NAMES

MAIN UNIT DISPLAY



ILLUSTRATIVE DIAGRAM



Plasmacluster Indicator Lights

(Please refer page E-9)

Blue light

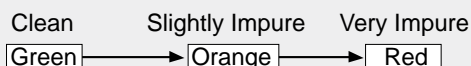
- When the Plasmacluster ion operation is in Clean Mode, or in AUTO Plasmacluster Ion Mode and the air in the room is impure, the light will be activated and the unit will operate in Clean Mode.
- When the Plasmacluster ion operation is in ION SHOWER Mode, the light will repeat its colour cycles between light and shade.

Green light

When the Plasmacluster ion operation is in the Ion Control Mode, or in AUTO Plasmacluster Ion Mode and the air in the room is clean, this light will be activated and the unit will operate in Ion Control Mode.

CLEAN - SIGN Light

The colour changes according to the air condition.



ABOUT THE CLEAN-SIGN

- The condition of the CLEAN-SIGN depends on the room air condition detected by the Odour Sensor when the plug is inserted into the wall outlet.
- It is possible to have a green CLEAN-SIGN with impurities in the air at the time that the air purifier was just introduced to the room environment. After a while, however, the base impurity rate will be adjusted to detect room air condition correctly.

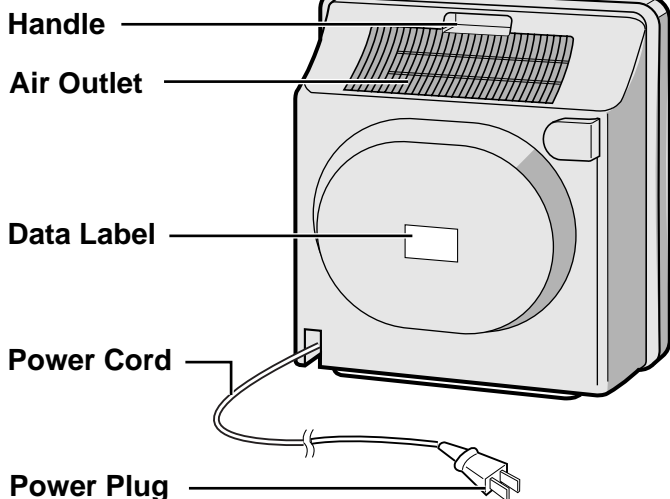
DETERMINING THE BASE IMPURITY RATE

For the first 30 seconds after the power plug is inserted into the wall outlet, the unit will check the conditions of the air. If operation is set to ON during this time, the CLEAN-SIGN LIGHT will alternately flash in green, orange and red.

BACK

INCLUDED

- Operation manual



(Sharp of plug depends on country.)

PREPARATION

Be sure to remove the power plug from the wall outlet.

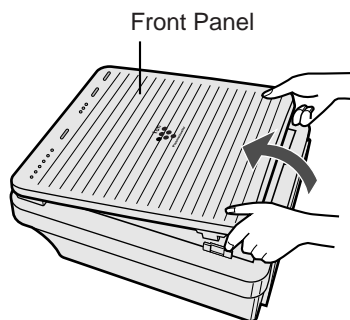
FILTER INSTALLATION

To maintain the quality of the filters, they are installed in the main unit and packed in plastic bags. Be sure to remove the filters from the plastic bags before using the unit.

1 Remove the filters

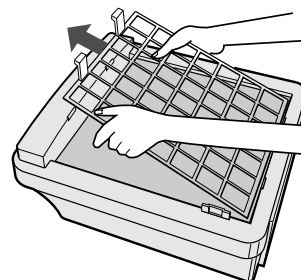
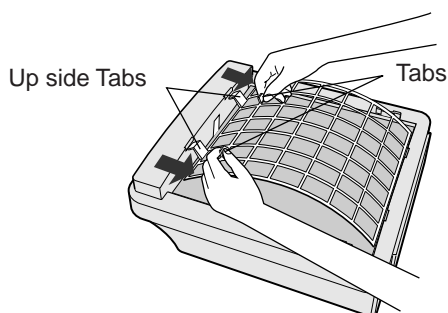
1 Remove the Front Panel.

Pull the bottom of the Front Panel.



2 Remove the Filter Support.

Pinch the two tabs and lift to remove.

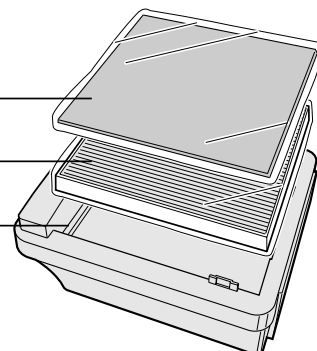


3 Remove the Active Carbon Filter and HEPA Filter.

Active Carbon Filter

HEPA Filter

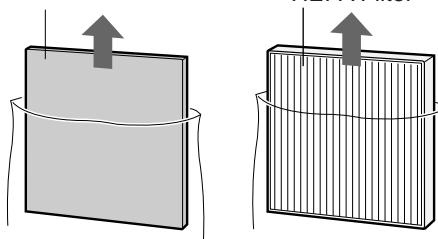
Main Unit



4 Remove the Active Carbon Filter and HEPA Filter from the plastic bags.

Active Carbon Filter

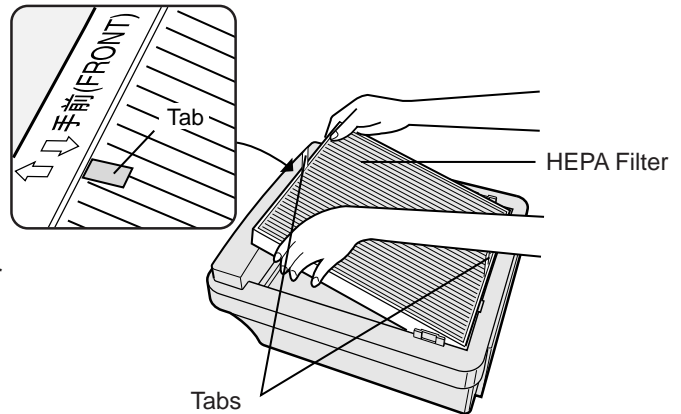
HEPA Filter



2 Install the filters

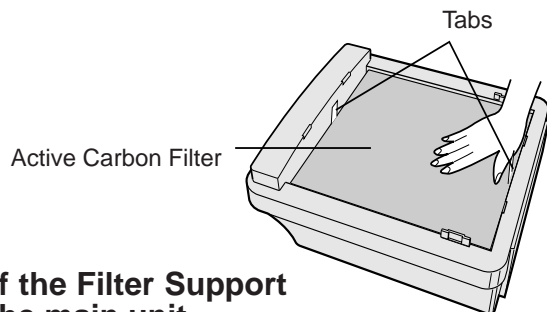
- 1 Place the HEPA Filter within the main unit with the tabs facing up.

Do not install the filter backwards or the unit will not operate properly.

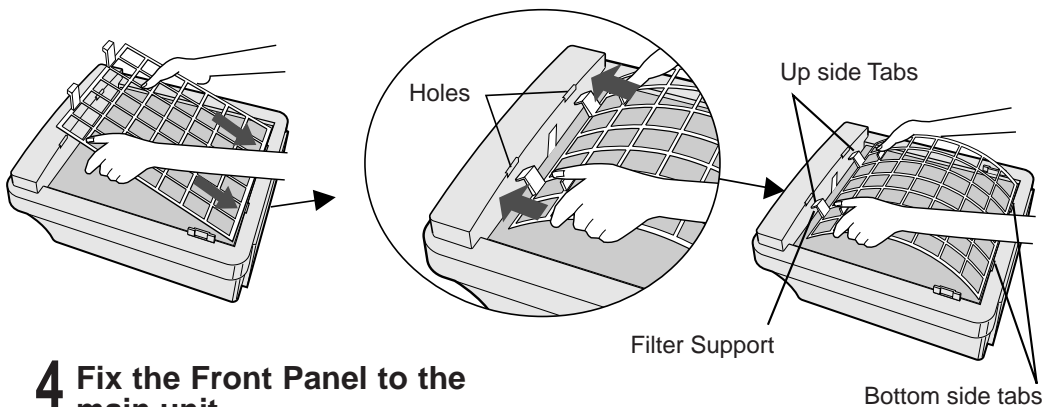


- 2 Place the Active Carbon Filter on top of the HEPA Filter.

Make sure that the tab of the HEPA Filter remains visible.



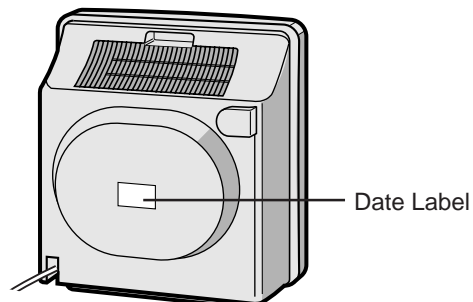
- 3 Insert the bottom side tabs of the Filter Support into the associated holes of the main unit. Next push the upside tabs into the main unit.



- 4 Fix the Front Panel to the main unit.

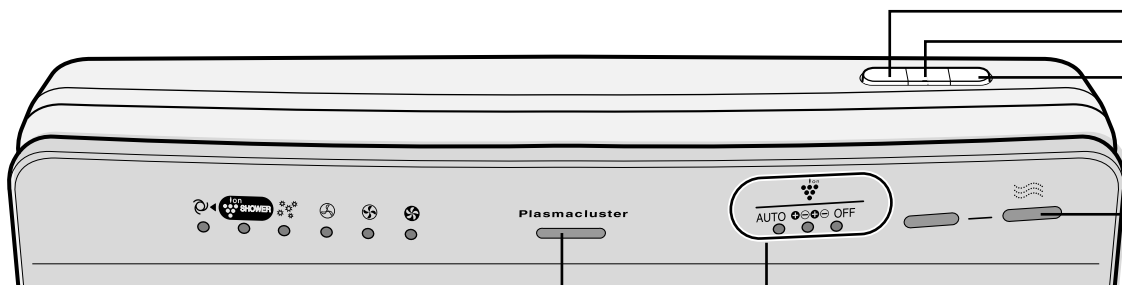
- 5 Fill in the usage start date on the Date Label.

Use the date as a guide for the Filter Replacement schedule.



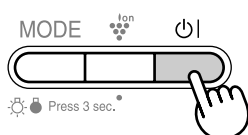
OPERATION

MAIN UNIT OPERATION



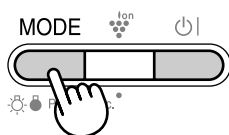
Plasmacluster Indicator Lights

Plasmacluster ION Mode Indicator Lights



Power ON/OFF Button

- Used to start operation (short beep) and stop operation (long beep)
- Plasmacluster Indicator Light and Fan Speed Indicator Light turn on/off.
- Unless unplug the power cord, the operation starts in the previous mode the unit was operated in.



MODE Selection Button

- The operation mode can be switched.

AUTO operation AUTO

The fan speed is automatically switched (HIGH*, MEDIUM, SILENT) depending on the amount of impurities in the air. The sensors detect the impurities for efficient air purification.

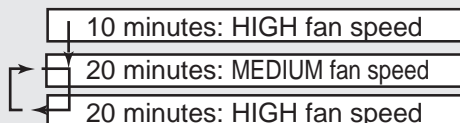
ION SHOWER operation + - + -

The concentrated Plasmacluster Ions (ION SHOWER) will be generated in the room like a shower for 15 minutes, repeating the airflow cycles between strong and gentle. (The Plasmacluster Indicator Light repeats its colour cycles between light and shade.), and effectively controls the airborne dust, pollen, mold, and allergen.

- When finished the operation, the unit will back to the Auto operation.

POLLEN mode operation *

The unit will operate at HIGH* fan speed for 10 minutes, then will alternate between MEDIUM and HIGH* for 20 minutes.



MAX operation

The unit will operate at a fan speed of MAX.

MEDIUM operation

The unit will operate at a fan speed of MEDIUM.

SILENT operation

The unit will operate quietly using minimal air intake.

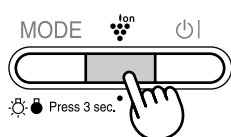
* HIGH fan speed is an intermediate speed between MEDIUM and MAX.

Mode Selection Button

Plasmacluster Ion Mode Selection Button

POWER ON/OFF Button

CLEAN - SIGN Light



Plasmacluster Ion Mode Selection Button

The Plasmacluster Ion Mode can be switched.

AUTO

The unit will switch between Clean Mode and the Ion Control Mode* automatically depending on the amount of impurities in the air as detected by the odour sensor. Clean Mode operate for 10 minutes when the Auto function is selected.

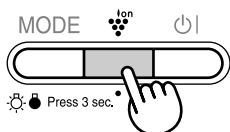
CLEAN $\oplus\ominus\oplus\ominus$

The unit will constantly operate in the Clean Mode, in which the same numbers of positive and negative ions are discharged. The Plasmacluster Indicator Light is blue.

ION OFF

The generation of ions will stop and the Plasmacluster Indicator Light will go out.

* Ion Control Mode
Negative ions will be released in an increased rate and controls the ion balance.



LIGHTS ON/OFF Button

(Please press the Plasmacluster Ion Mode Selection Button for 3 seconds.)

Switches the Plasmacluster Indicator Light and CLEAN-SIGN Light either ON or OFF.

CARE AND MAINTENANCE

To maintain optimum performance of this air purifier, please clean the unit including the sensor and filters periodically.

When cleaning the unit, be sure to unplug the power cord, and never handle the plug with wet hands. Electrical shock and/or bodily injury may occur as a result.

MAIN UNIT

Care Cycle 1 month

To prevent dirt or stains on the main unit, clean as often as necessary. If stains are allowed to remain, they may become hard to clean.

Wipe with a dry, soft cloth

For stubborn stains or dirt, use a soft cloth dampened with warm water.

Do not use volatile fluids

Benzene, paint thinner, polishing powder, etc., may damage the surface.

Do not use detergents

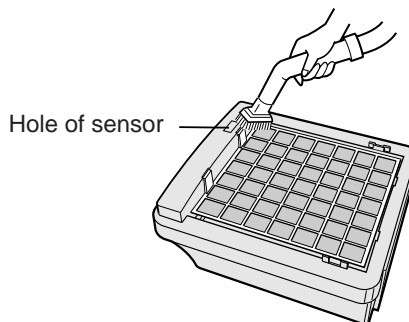
Detergent ingredients may damage the unit.

Keep the unit away from water

ODOR SENSOR

Care Cycle 2 months

The sensitivity of the sensor will become unstable if the odour sensor is dirty or blocked. Remove dust from the surface of the sensor opening using a vacuum cleaner.



WASHABLE ACTIVE CARBON FILTER CARE

**HAND WASH ONLY!
DO NOT TUMBLE DRY!**

Care Cycle

We recommend to the active carbon filter every six months.
Clean the filter as often as necessary when odour persists.

- 1 Fill a large container with lukewarm water, add a mild kitchen detergent and stir.**

Dilute as indicated on the detergent container.



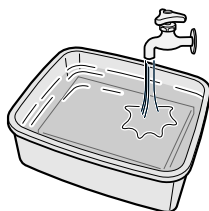
- 2 Allow the filter to soak approximately 10 minutes .**



- 3 Rinse thoroughly with clean water**

CAUTION

If rinsing in a container, be sure to rinse 3 to 4 times so that the odour is rinsed thoroughly from the filter.



- 4 Remove excess water**

The filter will be saturated with water after rinsing. To decrease drying time, wrap the filter in an old thick towel so that excess water can be removed.

CAUTION

Some carbon may adhere to the towel, if you towel -dry the filter, but it is harmless.



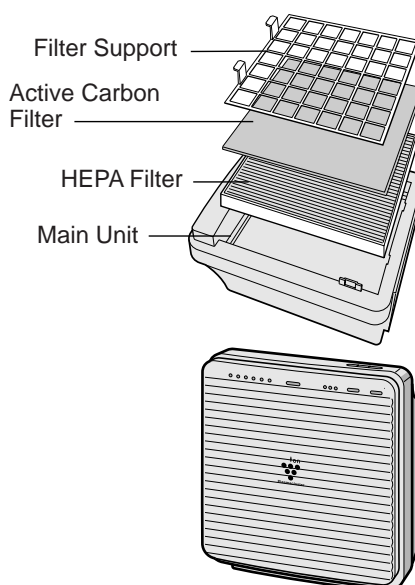
- 5 Dry the filter outdoors if possible in a well ventilated area.**

CAUTION

- The wet filter is heavy. Fix it securely for drying to make sure it does not fall down.
- The filter takes longer time to dry in winter, on rainy days. Wash it on a day when the weather is good and dry it in the sun. Move it indoors at night to prevent freezing.
- Dry the filter outdoors in a well ventilated area. If dried indoors, the water dripping off the filter may soil your floor.
- Let the filter dry thoroughly. If used while the filter is still moist, then the air that is exhausted from the main unit will have an odor. It may take 1 or 2 days to dry.

- 6 Reinstall the Filters**

Reinstall the filters as shown on Page E-6,7



CARE AND MAINTENANCE

FILTER REPLACEMENT GUIDELINES

Depending on the usage environment, air outlet odour may become strong after several months.

If dust or odour cannot be removed easily, replace the filters.

(Refer to "Please read before operating your new Air Purifier")

Guide for filter replacement timing

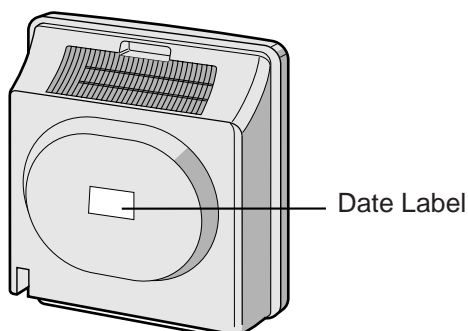
- The following filter life and replacement period is based on the condition of smoking 10 cigarettes per day and the dust collection/deodorization power is reduced by half compared with that of new filters.

We recommend to replace the filters more frequently if the product is used in a condition significantly severer than normal household use.

•HEPA Filter	About 2 years after opening
•Active Carbon Filter	About 2 years after opening

REPLACING THE FILTERS

- 1 See page E-6,7 for directions on how to install the filters when replacing.**
- 2 Fill in the usage start date of the filters on the Date Label.**



Replacement Filters

Model: FZ-425SEF

- HEPA Filter : 1 unit
- Active Carbon Filter: 1 unit

Please consult your dealer for purchase of replacement filters.

Disposal of Filters

Please dispose of replaced filters according to the local disposal laws and regulations.

HEPA Filter materials:

- Filter: Polypropylene
- Frame: Polyester

Active Carbon Filter Materials:

- Deodorizer: Activated charcoal
- Nonwoven fabric : Polyester

TROUBLESHOOTING

Before calling for repair, please review the list below, since the problem may not be a unit malfunction.

SYMPTOM	REMEDY (not a malfunction)
Odours and smoke are not removed.	<ul style="list-style-type: none"> • Clean or replace the filters if they appear to be heavily soiled. (Refer to E-11E-12)
The CLEAN-SIGN Light lights green even when the air is impure.	<ul style="list-style-type: none"> • The air could be impure at the time the unit was plugged in. (Refer to E-5) Pull out the plug from the electrical outlet, and insert the plug one minute later.
The CLEAN-SIGN Light lights orange or red even when the air is clean.	<ul style="list-style-type: none"> • The sensitivity of the sensor become unstable when the opening of the odour sensor is dirty or is clogged. Clean the dust around the sensor opening using a vacuum cleaner. (Refer to E-10)
The Plasmacluster Indicator Light remains green (or blue) and does not change.	<ul style="list-style-type: none"> • When in Ion Control Mode (or Clean Mode), the Plasmacluster Indicator Light colour will not change.
A clicking or ticking sound is heard from the unit.	<ul style="list-style-type: none"> • Clicking sound is emitted when the unit is in the Ion Control Mode, and ticking sound is emitted when the unit is generating ions. If the sound is irritating, set the unit away from you.
The discharged air has an aroma or odour.	<ul style="list-style-type: none"> • Check to see if the filters are heavily soiled. Replace the filters. • Plasmacluster Air Purifiers emit small traces of ozone which may produce an odour. These ozone emissions are well below safety levels .
The unit does not operate when cigarette smoke is in the air.	<ul style="list-style-type: none"> • Is the unit installed in a location that is difficult for the sensor to detect cigarette smoke? • Is the odour sensor opening blocked or clogged? (In this case, clean the opening.) (Refer to E-10)
The Plasmacluster Indicator Light or the CLEAN-SIGN Light will not activate.	<ul style="list-style-type: none"> • Check to see if the Lights OFF Mode is selected. If so, then press the Plasmacluster Ion Mode Selection Button for 3 seconds to activate the indicator lights. (Refer to E-9)
Plasmacluster Indicator Light (repeat blue colour cycle light and shade)	<ul style="list-style-type: none"> • The ION SHOWER operation is working.

ENGLISH

ERROR DISPLAY

LAMP INDICATION	REMEDY
The “Silent” Fan Speed Indicator Light blinks.	<p>Fan motor is disconnected or abnormal. Operation stops.</p> <ul style="list-style-type: none"> • Pressing the POWER ON/OFF button will reset the error display, but if error occurs again, contact the shop where you purchased the unit.

SPECIFICATIONS

Model		FU-S25E		
Power supply		220-240V 50/60Hz		
Fan Speed Operation	Fan Speed Adjustment	MAX	MED	SILENT
	Rated Power	26 W	7.5W	4.1 W
	Air Flow Volume	150m ³ /hour	60m ³ /hour	24m ³ /hour
Applicable Floor Surface		~19m ² *1		
Cord Length		2.0m		
Dimensions		410mm(W)x158mm(D)x430mm(H)		
Weight		4.8kg		

- *1 •The applicable floor surface area is appropriate for operating the unit at maximum fan speed.
 •Applicable floor surface area indicates the space where a certain amount of dust particle can be removed in 30 minutes.

Standby Power

In order to operate the electrical circuits while the power plug is inserted in the wall outlet, this product consumes about 0.8W of standby power.
 For energy conservation, unplug the power cord when the unit is not in use.



Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private households)

1. In the European Union

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin!

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your old product free of charge if you purchase a similar new one.

*) Please contact your local authority for further details.

If your used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In other Countries outside the EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to the dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

B. Information on Disposal for Business Users.

1. In the European Union

If the product is used for business purposes and you want to discard it:

Please contact your SHARP dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

For Spain: Please contact the established collection system or your local authority for take-back of your used products.

2. In other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.

SERVICE PROCEDURE / SERVICE VORGEHENSWEISE

SERVICE PROCEDURE - ONLY EFFECTIVE IN GERMANY

Dear SHARP customer,

SHARP machines are proprietary articles which are produced with precision and care according to most modern production methods.

In case of proper handling and with considering of the instruction book, this machine will serve you well for a long time.

Of course, a defect cannot be ruled out.

If your appliance has a warrantyable defect in the period of warranty, please contact your dealer, where you bought the appliance. This dealer is your only contact person for any claim of warranty.

As proof for repairs during Warranty period, you need the invoice of the machine.

Please bring your defect appliances also to your dealer (where you bought the appliance) when the warranty period is over.

SHARP ELECTRONICS (EUROPE) GMBH

Parts & Technical Service

SERVICE VORGEHENSWEISE - GILT NUR FÜR DEUTSCHLAND

Lieber SHARP-Kunde

SHARP- Geräte sind Markenartikel, die mit Präzision und Sorgfalt nach modernen Fertigungsmethoden hergestellt werden.

Bei sachgemäßer Handhabung und unter Beachtung der Bedienungsanleitung wird Ihnen Ihr Gerät lange Zeit gute Dienste leisten.

Das Auftreten von Fehlern ist aber nie auszuschließen.

Sollte Ihr Gerät während der Gewährleistungsfrist einen gewährleistungspflichtigen Mangel aufweisen, so wenden Sie sich bitte an den Handelsbetrieb, bei dem Sie dieses Gerät erworben haben, denn dieser ist Ihr alleiniger Ansprechpartner für jegliche Gewährleistungsansprüche.

Als Nachweis im Gewährleistungsfall dient Ihr Kaufbeleg.

Sollte sich nach Ablauf der Gewährleistungsfrist ein Fehler des Gerätes zeigen, so wenden Sie sich bitte auch in diesem Fall an den Handelsbetrieb, bei dem Sie dieses Gerät erworben haben.

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SHARP

SHARP ELECTRONICS (Europe) GmbH

SonninstraÙe 3, D-20097 Hamburg

SHARP CORPORATION
OSAKA, JAPAN