



OWNER'S MANUAL

MODEL EPFX SA900

CONSOLE HEPA AIR CLEANER WITH ULTRAVIOLET LAMP & PHOTO CATALYTIC FILTER

*IMPORTANT: PLEASE READ MANUAL BEFORE OPERATING UNIT
READ AND SAVE THESE INSTRUCTIONS*



Features

- Long-life, 99.97% HEPA (High Efficiency Particulate Air) Media Filter removes particles 0.3 micron and larger
- Carbon Prefilter removes lint and large particles, to extend life of HEPA Filter
- Two High Output Ultraviolet Germicidal Lamps
- CinQuartz™ Photo Catalytic Oxidation Filter removes unpleasant odors and Volatile Organic Compounds
- Carbon/ Potassium Permanganate Final Filter removes non-organic gases
- Kills or inhibits bacteria, viruses, mold, fungi and microbial growth
- Easy-to-change filters and lamps
- Powerful Variable Speed motor delivers up to 250 CFM of clean, sterilized air
- Ideal for rooms up to 625 ft² (58 m²) for one room air change every 20 minutes

FOR TECHNICAL SUPPORT AND REPLACEMENT FILTERS CALL: 1-866-998-9909
sales@enviropurefx.com

WARNING

This unit is designed to emit powerful ultraviolet radiation to sterilize microorganisms. It is dangerous to come in contact with or look at the light from this unit. Always turn the Air Cleaner **OFF** and **UNPLUG** the unit before opening panels or the lamp access door.

WHAT THE HEPA, ULTRAVIOLET LIGHT & PHOTO CATALYTIC AIR CLEANER DOES

The Console HEPA, Ultraviolet Light & Photo Catalytic Air Cleaner has been designed to remove particulate such as atmospheric and household dust, coal dust, insecticide dust, mites, pollen, mold spores, fungi, bacteria, viruses, pet dander, wood smoke, cooking smoke and grease, tobacco smoke and more.

The two non-ozone producing, high output Ultraviolet lamps provide germicidal sterilization for bacteria, viruses, mold and fungi and provide photons to the CinQuartz™ Media (Photo Catalytic Oxidation Filter) to reduce odors and Volatile Organic Compounds (VOC's).

A Final Filter containing a mixture of Carbon and Potassium Permanganate further reduces odors, light and non-organic gases.

BENEFITS

- Helps provide relief from allergies, asthma, and other respiratory illness.
- Kills or inhibits bacteria, viruses, mold, fungi and microbial growth.
- Eliminates or reduces odors and gases emitted from air fresheners, carpets, construction materials, glues, household cleaners, paints, varnishes, personal care products, press board furniture and lots more.
- Helps reduce housekeeping time and redecorating costs.
- Provides a healthier, more comfortable environment, year-round.

HOW IT WORKS

Millions of airborne pollutants are carried the Air Cleaner by a powerful variable speed motor where they pass through a 5-stage filtration system.

The air passes through a pleated Carbon Prefilter to remove lint, large particles and heavy weight gases to extend the life of the HEPA and PCO filter.

Smaller particles then pass through a long-life, 99.97% HEPA (High Efficiency Particulate Air) Media Filter which captures particles 0.3 micron (1/84,000 of an inch) and larger. The filter becomes more efficient as it gets dirtier with time. This HEPA filter has more than 40 ft² of collection surface area.

The clean air passes through a reflection chamber

where two High Output Ultraviolet (C band) Germicidal Lamps emit powerful UVC light rays which are designed to kill or inhibit bacteria, viruses, mold, fungi and microbial growth. These are non-ozone producing lamps. The Ultraviolet Light is also used to activate the unique CinQuartz™ Media located below the UVC lamps.

The CinQuartz™ Photo Catalytic Oxidation (PCO) Filter is a Quartz media coated with nanoparticles of Titanium Dioxide (TiO₂). The combined action of the UVC light and the TiO₂ decomposes organic materials into basic molecules such as H₂O and CO₂ and reduces odors and VOC's as a result.

Air then passes through a Final Filter containing a mixture of Carbon and Potassium Permanganate further reducing odors and light gases.

Clean air is discharged back into the room.

OPERATING INSTRUCTIONS

WARNING

The air cleaner has been shipped without the 2 UVC lamps installed. The filters are enclosed in plastic bags. Before running the unit remove the plastic bags and discard safely. Install the lamps following the instructions given in the maintenance instructions. Use the cotton gloves provided when handling the lamps.

Lean Air Cleaner on side panel and pull out of box. If your unit has any signs of damage, immediately contact the store where the Air Cleaner was purchased.

Keep the shipping carton and packaging in case the need arises to store or transport the unit.

Remove all packaging from the unit. Choose a suitable location to allow unobstructed circulation from the sides and back of the unit. If unit has to be placed against a wall, allow at least 6-8 inches (15-20 cm) for circulation.

The Air Cleaner plugs into a regular outlet at the voltage shown on rating label.

The Control Switch for the Air Cleaner is located on the right side. To turn the Air Cleaner on, rotate the Control Switch knob clockwise. This controls the power to the Fan and to the UVC Lamps. When the Control Switch is turned just past the click position, the fan is on high speed. Rotating the Control Switch completely clockwise reduces the fan speed to it's lowest setting. When the Control Switch is turned ON, the Indicator on the front will be illuminated.

The Air Cleaner is designed to run continuously to provide clean, filtered air 24 hours a day.

Running the Air Cleaner intermittently will shorten the effective life of the lamps.

Note: Do not allow the cord to be placed where it may be walked on or allow anything to roll over it.

WARNING

Never use the Air Cleaner without all of the filters in place and all cover panels and doors closed. Make sure all the screws are in place.

CAUTION

This unit is not intended for use where there are high levels of industrial chemicals present.

MAINTENANCE

For efficient operation, the filters must be changed on a regular basis. If you notice a reduction in air flow from the system, check the filters.

CAUTION

Make sure to turn the Air Cleaner **OFF** before performing any maintenance or removing any filters.

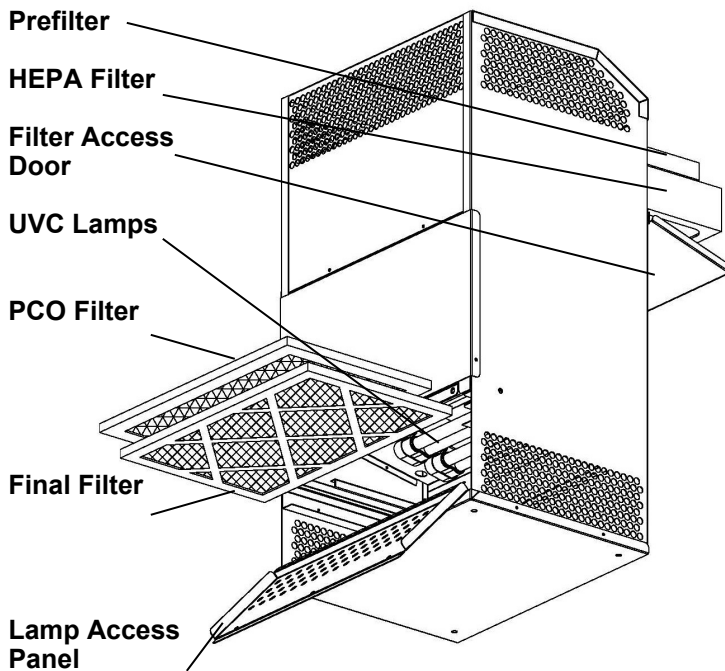


Fig. 1 – Air Cleaner Layout

CAUTION

When replacing the filters wear disposable gloves and a dust mask.

Replacing the HEPA Filter and Prefilter

1. To access the filters, turn the Air Cleaner **OFF** at the switch and open the front Filter Access Door.
2. Carefully remove the filters to avoid spilling of collected contaminants. Dispose of filters in a plastic bag and discard with regular household trash.

3. Remove the plastic from the new filters before installing. Discard plastic safely. Take care not to damage the filters. Hold by the filter frame only.
4. Date the replacement filter in the space provided.
5. Place the filters in their appropriate track with the arrows pointing toward the fan.
6. Use genuine replacement filters only. Call the original installer for parts.

Note: When the filters are new, you may notice a new smell from the system. This is normal and will dissipate within a few hours.

Prefilter (#DM900-0855): This must be replaced every 3-6 months. A clean Prefilter will increase the life of the HEPA Filter and improve airflow.

HEPA Filter (#DMH4-0400): Replace every 2-3 years. The life of this filter depends on the amount of contaminants in the air and the frequency in which the Prefilter has been changed. Renovations in the home that create wood, drywall dust or similar contaminants will shorten the life expectancy of the HEPA filter.

Note: Handle the HEPA filter by the frame only. The paper is fragile and a puncture or tear will reduce efficiency.

Replacing the UVC Lamps, PCO Filter and Final Filter

WARNING

Make sure the Air Cleaner is **OFF** and **UNPLUGGED** before opening the lamp access panel.

WARNING

Eye and skin damage may result from direct exposure to the light produced by the lamp used in this product. **NEVER** open the lamp access panel without having the Air Cleaner unplugged.

1. To change the PCO filter, Final filter and UVC lamps, turn the Air Cleaner **OFF** and **UNPLUG** it. Remove the screws from the lamp access panel and remove the panel. **DO NOT** misplace the parts.
2. Carefully remove the filters to avoid dusting of filter. Dispose of the filters in a plastic bag and discard with regular household trash.
3. To remove the lamp from the lamp socket, pull the lamp, by the base, away from the lamp socket. Remove the lamp from the support clip. Remove the plastic lamp support clips by pinching the back of the clip and lightly pulling away from the reflector.
4. Before replacing the lamps, the reflector

WARNING

Eye and skin damage may result from direct exposure to the light produced by the lamps used in this product. Make sure the Air Cleaner is **OFF** and **UNPLUGGED** before the lamp access panel is open.

CAUTION

Do not touch the lamp glass with bare hands. Always use the gloves provided when installing the lamps. The oil from your hands may reduce the effectiveness of the lamp. The lamp may be cleaned with a soft cloth dampened with water to remove finger prints.

CAUTION

The lamps operate at a very high temperature. Allow the lamps to cool 10 minutes before touching.

should be cleaned with a soft cloth and mild non-abrasive soap.

5. Replace the support clips by pressing them into the hole in the reflector.
6. **NEVER** use any lamp other than from the original manufacturer. **NEVER** run the Air Cleaner with only one lamp.
7. When replacing the lamp, use gloves to prevent oil from being deposited on the glass. Hold the lamp by the base and slide the glass end into the plastic support clip. Slide the lamp straight into the lamp socket until the lamp locks into place.
8. Remove the new PCO filter from the bag and slide into the upper track under the lamps with the fuzzy side towards the lamps. During shipping and handling a small amount of white dust is created. This can be cleaned by vacuuming. **DO NOT** vacuum the filter.
9. Remove the final filter from the bag and slide it into the track below the PCO filter with the arrow pointing towards the bottom of the Air Cleaner. **Note: The Air Cleaner will not operate with this filter removed.**
10. Replace the lamp access panel tightening all screws. Do not over tighten.

The PCO Filter will discolor with use. This is normal.

WARNING

Never use the Air Cleaner without all of the filters in place and all cover panels and doors closed. Make sure all the screws are in place.

CAUTION

When the unit is new or after the lamps have been replaced there may be a temporary odor. An odor may also occur with high concentrations of chemicals in the home such as paint or strong cleaning solutions. Both odors are temporary and should dissipate within a short time.

PCO Filter (#DM900-0450): This must be replaced every 2 years.

Final Filter (#DM900-0810): This must be replaced at least once a year.

UVC Lamp (#DM900-0191) (2 required): Replace every 2 years. Includes lamp support clip. Lamp may still light after 2 years but intensity of the germicidal wavelength will be reduced.

UVC Lamp / PCO Maintenance Kit (#DM900-1002): Kit contains 2 UVC lamps, 2 lamp support clips, 1 PCO filter and gloves.

Complete 2 Year Maintenance Kit (#DM900-1003): Contains 1 HEPA filter, 4 carbon prefilters, 2 UVC lamps, 1 PCO filter, 2 carbon/potassium permanganate final filters, gloves.

CAUTION

Always dispose of plastic bags safely. Do not allow children or pets to play with empty plastic bags.

CAUTION

The lamps used in this air cleaner contain a very small amount of mercury (Hg). The lamps should be disposed of according to local ordinances or refer to www.lamprecycle.org.

CAUTION

The lamps contain a very small amount of mercury (Hg). In case of accidental breakage, handle with extreme care. According to the EPA website, open windows in the affected area and leave the room for 15 minutes. Do not vacuum or use a broom to clean. Wear a dust mask and use disposable gloves. Scoop fragments using stiff paper or cardboard. Place fragments in a plastic bag. Wipe area with damp paper towels and place towels in the plastic bag. Seal bag and dispose of waste following local guidelines. Wash hands with mild detergent and water. See the EPA website (www.epa.gov) for more information.

IMPORTANT SAFEGUARDS

Safety points you should know about your Air Cleaner

Caution:

**** Read Owner's Manual and safeguards before using**

**** Save Owner's Manual for later use**

**** Follow all warnings and instructions marked on Air Cleaner**

FOR YOUR PERSONAL SAFETY

1. The Air Cleaner is equipped with a grounded plug. Do not defeat the purpose of this plug by removing the grounding pin, as this may result in an electrical shock or create an unsafe condition.
2. When the power cord or plug is damaged or frayed, unplug the Air Cleaner from the wall outlet and refer servicing to qualified service personnel.
3. Do not overload wall outlets and extension cords, as this can result in fire or electric shock.
4. Do not allow anything to rest on or roll over the power cord, and do not place the unit where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.
5. Do not attempt to service the Air Cleaner yourself as opening or removing switch cover may expose you to dangerous voltage or other hazards. Refer all servicing to qualified personnel.
6. Never push objects of any kind into the Air Cleaner through cabinet slots, as they may touch dangerous voltage points, or short out parts that could result in a fire or electric shock.
7. If the Air Cleaner has been dropped or the cabinet has been damaged, unplug the unit from the wall outlet and refer servicing to qualified service personnel.
8. Unplug the Air Cleaner from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners on cabinet. Use a damp, lint-free cloth for cleaning.
9. Do not use the Air Cleaner near water, i.e. near a bathtub, sink, laundry tub, in a wet basement, in the rain or near a swimming pool, etc.
If liquid has been spilled into the Air Cleaner, unplug the unit from the wall outlet and refer servicing to qualified service personnel.
10. Do not use the Air Cleaner near open fire or flame, or sources of heat i.e. fireplaces, wood burning stoves, kerosene heaters, stove tops, ovens, etc.
11. Do not use the Air Cleaner on soft surfaces i.e. beds, sofas.
12. Do not use the Air Cleaner when oxygen is being used or when combustible gases are present.
13. The Air Cleaner has slots or openings in the cabinet for ventilation purposes, to provide reliable operation of the unit, and to protect it from overheating. These openings must not be blocked or covered.
14. The Air Cleaner should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply at your home, consult your local power company.
15. If the Air Cleaner does not operate normally by following the operating instructions, unplug the unit from the wall outlet and refer servicing to qualified service personnel.

TECHNICAL DATA

Dimensions	Height Width Depth	28.75 in 16.75 in 12.75 in	73 cm 42.5 cm 32.4 cm
Unit Weight		40 lbs	18.1 kg
Input Voltage		120 V 60 Hz	
Power Consumption		180 Watts	
Air Flow		250 CFM	424.8 m ³ /hr
Cabinet		22 gauge	
Power Cord		9.0 ft	2.74 m
Filter Dimensions	Prefilter HEPA Filter PCO Filter Final Filter	16 x 12 x 1 in 16 x 12 x 2.5 in 16 x 10 x 0.375 in 16 x 10 x .5 in	40.6 x 30.5 x 2.5 cm 40.6 x 30.5 x 5 cm 40.6 x 25.4 x 0.95 cm 40.6 x 25.4 x 1.3 cm
Ultraviolet Power in Reflector		>10,000 µW/cm ²	
HEPA Collecting Surface Area		40 ft ²	3.7 m ²

**CONSOLE HEPA, ULTRAVIOLET LIGHT & PHOTO CATALYTIC AIR CLEANER
LIMITED FIVE (5) YEAR WARRANTY**

FIVE YEAR WARRANTY - This EnviroPureFX product is warranted the original owner, to be free from electrical and mechanical defects in material and workmanship, under normal use and maintenance, within its listed capacity, for a period of five (5) years from the date of purchase, excluding the lamps or lamp ballast which are warranted for one (1) year from the date of purchase. This warranty does not include the Prefilter, HEPA Filter, CinQuartz™ Photo Catalytic Oxidation Filter or Carbon/Potassium Permanganate Final Filter. This EnviroPureFX product must not have been moved from the site of original installation. A new or remanufactured part to replace the defective part will be provided without charge for the part itself, through EnviroPureFX, provided the defective part is returned to EnviroPureFX **prepaid**, together with the **serial number, date of installation and proof of purchase**. Defective parts must be packaged well and depending on the part, may require images emailed to EnviroPureFX prior to shipping, to confirm condition of parts. If goods arrive damaged due to improper packaging, warranty will be void. The replacement part assumes the unused portion of the warranty. Failing this, EnviroPureFX will guarantee the unit for a period of sixty (60) months from the date of manufacture, according to the manufacturer's records and conditions stated in this warranty.

THIS WARRANTY DOES NOT INCLUDE ANY ADDITIONAL LABOR ALLOWANCE OR OTHER COSTS incurred for diagnosis, repairing, removing, installing, shipping, servicing, or handling of either defective parts or replacement parts.

LIMITATIONS OF WARRANTY - All implied warranties (including implied warranties of merchantability) are hereby limited in duration to the period for which the limited warranty is given. The expressed warranties made in this warranty are exclusive and may not be altered, enlarged, or changed by any distributor, dealer or other person whatsoever.

ENVIROPUREFX WILL NOT BE RESPONSIBLE FOR:

1. Normal maintenance as outlined in the Owner's Manual including cleaning and/or replacement of filters and ultraviolet lamps.
2. Damage or repairs needed as a consequence of any misapplication, failure to perform normal maintenance, negligent handling, improper servicing, unauthorized alteration, or improper operations.
3. Damage or repairs required as a consequence of faulty installation or application by others.
4. Failure to start due to voltage conditions, blown fuses, open circuit breakers or other damages due to the inadequacy or interruption of electrical service.
5. Damage as a result of floods, winds, fires, lightning, accidents, corrosive atmosphere, or other conditions beyond the control of EnviroPureFX.
6. Parts, including filters and ultraviolet lamps, not supplied or designated by EnviroPureFX.
7. EnviroPureFX products installed outside of the continental Canada, U.S.A., Alaska and Hawaii.
8. Any personal injury, special indirect or consequential property or commercial damage of any nature whatsoever. Some States do not allow the exclusion of incidental or consequential damages, so the above limitation may not apply to you.

Model No.

Serial No.

Date of Installation

Installed By

Owner's Name & Address

RETAIN THIS CERTIFICATE WITH YOUR DOCUMENTS



91 Rylander Blvd, Unit 102, Scarborough, ON M1B 5M5

Tel: (416) 345-8377 (FILTERS)

Toll Free: (866) 998-9909

sales@enviropurefx.com www.enviropurefx.com

**ATTENTION:
HOMEOWNER / PROPRIÉTAIRE**

**REMOVE PLASTIC PACKAGING ON
INSIDE FILTERS.
ENLEVER LA PELLICULE DE
PLASTIQUE DES FILTRES.**

**REFER TO OWNER'S MANUAL FOR
INSTALLATION INSTRUCTIONS.
VOIR LES DIRECTIVES DANS LE
MANUEL D'INSTALLATION.**

**QUESTIONS?/ DES QUESTIONS ?
CALL / APPELEZ
1-866-998-9909**