

Steril-Home



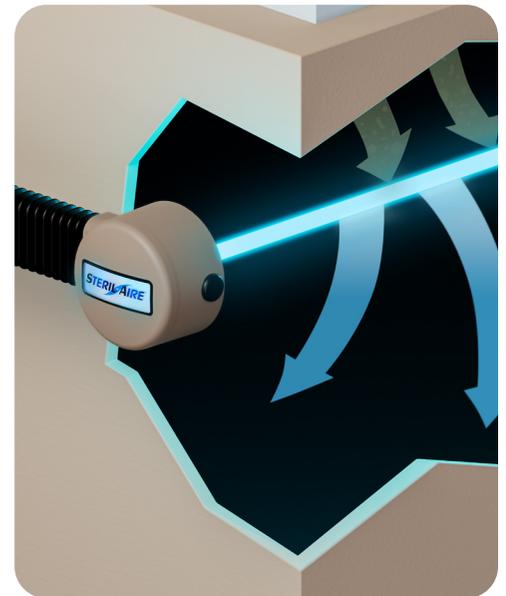
Features

- Improves Indoor Air Quality (IAQ) in your home for cleaner air for family, friends and pets
- Uses germicidal 253.7nm UVC disinfection, proven as an effective inactivation method for mold, bacteria and viruses while also lessening the effects of allergies and asthma
- Produces no ozone or other secondary contaminants
- Works with new and existing Air Conditioning systems and reduces energy costs
- No need to open HVAC system unit for installation. No tools required for annual lamp/power supply replacement
- Color-changing LED indicates when the UVC lamp needs replacing
- Kits come standard with factory installed 6 ft (1.8 m) electrical cord making for quick and easy installation.

Applications

Steril-Home units are designed for new and retrofit residential applications, including "A", "N" and "W" style, slab and counter-flow coils. Steril-Home units are available in either single or dual configurations with 12", 16", or 20" (31, 41, or 51 cm) Emitters. Both configurations are easily installed by making a 1 7/16" (36 mm) hole per Emitter in the coil box or duct, attaching the fixture with provided self-tapping screws, and wiring as required. Only the Emitter penetrates into the system, while the power supply remains external. Choose either a 120 V/60 Hz or 208/230 V/50 Hz power supply.

Steril-Aire's multi-patented UVC Emitter™ provides long-lasting UVC performance. It has been independently tested to deliver an average of 3 times the output of other ultraviolet devices under HVAC operating conditions 50 °F (10 °C) and 400 fpm (120 m/min) air velocity. Steril-Aire's UVC Emitter has a 12-month service life, continuing to deliver healthier indoor air quality throughout its life.



LED Runtime Indicators



0-7000 hours



7000-9000 hours



Over 9000 hours



Safe & Proven Performance

Steril-Home residential UVC offers homeowners a practical solution for those who wish to provide cleaner, healthier air for their family. Steril-Home units operate at a UVC wavelength of 253.7nm to disinfect pathogens such as mold, bacteria and viruses. The units do not produce secondary contaminants or ozone and pose no risk to occupants, equipment or furnishings. Steril-Aire's proven UVC technology has been used for decades in hospitals, schools, food-processing and commercial buildings.



High-output UVC solution for superior air disinfection in the home.

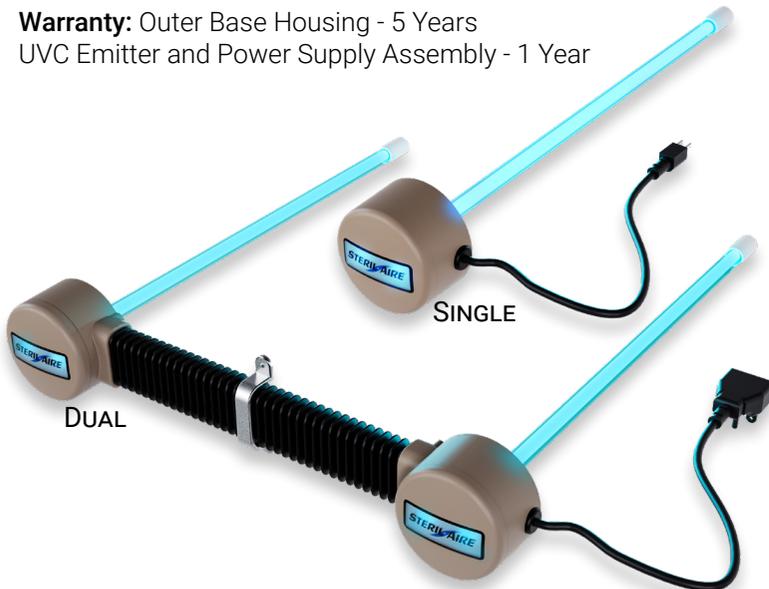
Power Supply Assembly: shall be available in either 120 V/60 Hz or 208/230 V/50 Hz, single phase and shall include a safety interlock switch, which when removed from Outer Base Housing disables power to the lamp. The Power Supply Assembly shall include a color-changing LED indicating when the light bulb needs replacing. The LED shall be blue for the first 7000 hours of operation, yellow from 7000 – 9000 hours, and red thereafter indicating Assembly replacement is required. The UVC Lamp shall be a high output, hot cathode, T5 diameter, that produces a germicidal UVC band of 253.7 nm.

UVC Emitter: shall operate in air velocities of up to 2000 fpm (600 m/min) and air temperatures of 35-140 °F (2-60 °C). The Emitter shall produce no ozone or other secondary contaminants.

Outer Base Housing: shall be equipped with a 6 ft (1.8 m) electrical cord to facilitate wiring. It shall be designed for mounting from outside the airstream with only the Emitter(s) in the conditioned air. Dual Steril-Home units shall include bellows connecting the two bases. Bellows shall have flexibility to install base housings 9" – 19" (23 cm – 48 cm) apart.

Independent Testing: The kit shall be tested by an independent test laboratory, Unit shall comply with ANSI/UL Standards 153, 1598, 1995 and CSA standards.

Warranty: Outer Base Housing - 5 Years
UVC Emitter and Power Supply Assembly - 1 Year



Steril-Home Single

Part No.	Emitter Length	Voltage	Wattage
22000660	12" (31cm)	120	40
22000670	12" (31cm)	208/230	40
22000700	16" (41cm)	120	60
22000710	16" (41cm)	208/230	60
22000620	20" (51cm)	120	60
22000650	20" (51cm)	208/230	60

Steril-Home Dual

Part No.	Emitter Length	Voltage	Wattage
22000680	12" (31cm)	120	80
22000690	12" (31cm)	208/230	80
22000720	16" (41cm)	120	120
22000730	16" (41cm)	208/230	120
22000610	20" (51cm)	120	120
22000640	20" (51cm)	208/230	120

Replacement Emitter and Power Supply

Part No.	Emitter Length	Voltage	Wattage
22000740	12" (31cm)	120	40
22000750	12" (31cm)	208/230	40
22000760	16" (41cm)	120	60
22000770	16" (41cm)	208/230	60
22000600	20" (51cm)	120	60
22000630	20" (51cm)	208/230	60

