

# AirSteril AST2000 AST3000 Induct UV Air Purifier

## WHOLE HOME GERMICIDAL SYSTEM FOR AIR CONDITIONING SYSTEMS

This high performance Induct UV air purifier can easily mount in 10 to 15 minutes on any existing air ducts (or furnace plenum above the coils/blower) and safely sanitizes air as it recirculated through the ventilation system. It irradiates the cold or hot moving air and the internal duct walls, safely and destroys living airborne and surface pathogens such as viruses, mold spores, bacteria, VOC, odor, biofilm, allergens and more by using powerful high output UVC shatter-proof lamp cells.

### **BENEFITS:**

- Improves Indoor Air Quality: Help eliminate contaminants like mold and bacteria, reducing exposure to potentially harmful airborne contaminants.
- Mold & Dust Free: Keep AHU cooling coils, blower, drain pans clean and internal duct walls dust free.
- Food Industry: To enhance food safety through mold and bacteria control, extending product shelf life and production yields.
- Reduces Maintenance: Eliminates the hassle and costs of HVAC chemical cleaning.
- Cost Effective: Clean coils means HVAC runs more efficiently, saving energy and money.
- Safe: Produces no ozone or secondary contaminants.
- Quality: UL parts ,CE listings

### **FEATURES:**

1. High UVC output in cold air stream 50F(10C) : 11.5 microwatts per linear inch of glass measured from 1 meter at an air speed of 400 feet per minute
2. Lamp cell does not suffer from the cold environments, UVC output will not drop in room temperature air flow or low temperature air flow from cooling coils
3. Shatter proof lamp cover, excellent for use in hospital, food, factory, school...etc
4. Snap on TiO2 Photo catalyst plate
5. Dust and moisture free on lamp surface
6. User friendly lamp cell retention system by 2 x thumb clamping screws
7. Reinforced structure on lamp tubes and lamp base for high wind load condition
8. Very easy and quick lamp cell maintenance and replacement, no screw driver required - simply remove the cover base by releasing the two thumb nuts and pull out old lamp cells, insert new ones
9. Large 20mm dia. viewport for easy and safe direct monitoring of lamp cells operation from height and distance
10. Durable Construction, all silver anodized with sand blasted extruded aluminum housings and all stainless steel screws  
Polycarbonate holding plate/housing that is UL94-VO fire rated and UV stabilized

### **SPECIFICATION:**

Housing Dimensions:

AST2000 280mm L x 156mm W x 65mm H

AST3000 420mm L x 156mm W x 65mm H (280mm 11" lamps centerlines)

Power consumption: AST2000 36w - AST3000 72w

Weight: AST2000 2.5Kgs - AST3000 1.5Kgs

Lamp life: 9000 hours continuous operation

silicon seal gasket ring 3 meter detachable power cable switch & fuse Mounting hole: 3 inches

Template provided

Center pilot drill provided

6x self-drilling mounting screws provided

### **ELECTRICAL:**

120V-277V, 50/60Hz

UL/CE Certified Electronic Ballast microprocessor controlled and 100% electronic

Meets Canadian & USA & European Standards for electrical safety.

EOL circuitry safely removes power from UV lamps as they near end of life.