



IN-DUCT RANGE

BEAUTY IS ONLY SKIN DEEP,
IT'S WHAT'S INSIDE THAT COUNTS
PRODUCTS: AST 2000



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AIRSTERIL IN-DUCT UNITS TARGET BACTERIA, MOULD AND FUNGI

INFECTION AND ODOUR CONTROL - FRESH AND CLEAN DUCTING

Air conditioning systems have been highlighted as an obvious way viruses can spread, so it is an essential and increasingly relevant area. Many in-duct units have been supplied to clear mould and fungi build up within ducting systems which caused health or odour complaints. They also allow customers to extend the periods between deep cleans of air handling units by maintaining a cleaner and healthier system.

In food production areas, keeping ducting systems clear of Listeria as well as other common contaminants is an essential requirement.



› PRIMARY FUNCTION

The primary function of the In-duct units is to keep the AHU (air handling system) and ducts themselves clear of contamination. Keeping the ducting system clear of harmful microorganisms is not significantly impacted by air flow, and generally we would expect air being sourced for a system to be relatively clean without contaminants. If units are required to treat the air flowing through the system then calculations become much more complicated, air flow is the most obvious point, however other points to consider are as below:

- What kind of air is the duct carrying (fresh air should be clear of contamination, recirculated air understandably may require treatment, but units within rooms may be a better solution)
- Duct dimensions (size and shape of duct) can impact the air speed past the units
- Duct material (aluminium, stainless steel and galvanised steel have different reflective capabilities with UV-C light)
- Air quality (air should not contain any dust, but quality of initial filtering can increase challenge)
- Age of system (older systems will be prone to greater internal contamination and air loss)
- Air temperature (our lamps are insulated against temperature changes and the protective sleeve around each lamp ensures peak efficiency)

› PERFECT FOR USE IN

- › Air Handling Units
- › Ducting systems
- › Air Conditioning systems

› HIDDEN EFFECTS OF POORLY MAINTAINED AIR SYSTEMS

- › Odour issues meaning visitors perceive poor hygiene, lack of care and poor management
- › Higher cleaning costs and premature refurbishment
- › Increased health risks including; spreading of illness and allergy
- › Increased absenteeism and staff turnover
- › Efficiency of air handling units decrease



REDUCE CONTAMINATION 24/7



› SERVICING MADE EASY

Switch off power.

Loosen and remove the two retaining finger screws to allow removal of central/lamp section from within the duct.

Remove the two lamp retaining screws allowing the lamp to be changed, then replace the screws.

Re-fit the central unit into the support frame, tighten the two retaining finger screws and attach the unit back in its placement.

Turn on the power. The lamp's blue light will be visible through the rear of the unit.

DO NOT LOOK DIRECTLY INTO THE LAMP

› HOW OUR IN-DUCT SYSTEM WORKS

These units are designed to permanently fixed into ducting systems and the powerful germicidal lamp will target airborne microorganisms as well as surface contamination within the ducting system, the Catalysts interact with the UV to quickly break down odourous volatile organic compounds through PCO. Using temperature insulated, shatterproof wrapped lamps they significantly contribute to compliance with safety standards in a variety of industries. Dependent on site conditions and installation location a single unit or multiple units may be required to eliminate growth of mould and control bacteria throughout an air handling unit or ducting system.

The In-duct should be operated 24/7 to spread purifying air through the ducting system and building utilising the airflow generated by the ventilation system.

ODOUR ELIMINATION GUARANTEED

*Conditions Apply



TECHNICAL DETAILS

In-Duct Unit Dimensions

280mm (l) x 156mm (w) x 65mm (d) - AST 2000

Power Supply

120 - 277V, 50/60Hz
AST2000 - 36 watts

Set Up

Fixed through the wall/roof of ducting or air handling unit system using support frame and template

Construction

Rugged construction, anodised aluminium

Weight

1.5kg - AST2000

Operation

Continuous operation