

Dynamically disinfecting the air we breathe and the surfaces we touch

*with the combination of organic and natural  
Hydroxyls and Ions.*

## INFECTION, MOULD AND ODOUR CONTROL – DUCTING TREATMENT SYSTEM

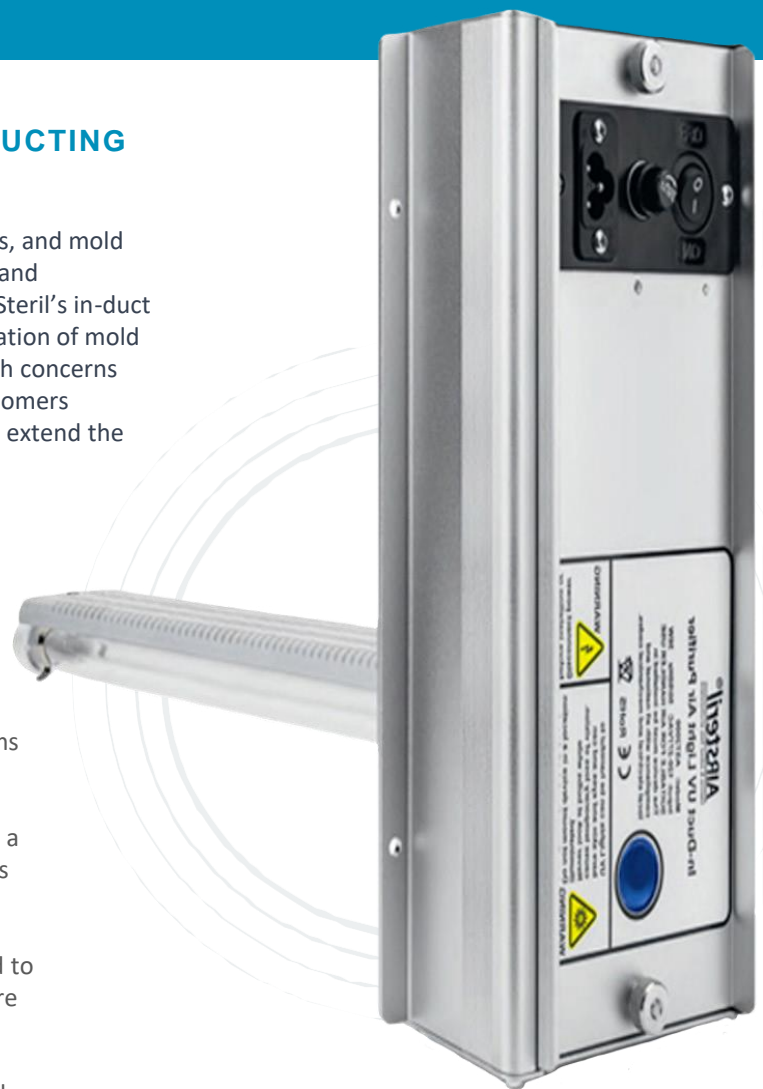
The role of air conditioning systems in spreading bacteria, viruses, and mold spores has garnered significant attention, making it an essential and increasingly pertinent area to address. To combat this issue, AIRSteril's in-duct units are the perfect choice to effectively eliminate the accumulation of mold and fungi within ducting systems, which have often lead to health concerns and unpleasant odors. AIRSteril's in-duct units not only help customers maintain a cleaner and healthier system but also enable them to extend the intervals between deep cleaning of air handling units.

### PRIMARY FUNCTION

The primary purpose of AIRSteril's In-duct units is to ensure that the air handling system (AHU) and ducts remain free from contamination. Typically, the presence of harmful microorganisms in the ducting system is not significantly influenced by air flow. Ideally, the air being drawn into the system should already be relatively clean and free from contaminants. However, if there is a need to treat the air flowing through the system, the calculations involved become more complex. In addition to air flow, other factors to consider are:

- Type of air carried by the duct: Fresh air is generally expected to be free from contamination, while recirculated air may require treatment. Units installed within individual rooms could be a viable solution in some cases.
- Duct dimensions: The size and shape of the duct can impact the speed of air passing by the units. Duct material: The choice of duct material, such as aluminum, stainless steel, or galvanized, can also be a relevant factor to consider in the overall system performance. Steel has 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)

Contact Fortress Air for an obligation free assessment of your in-duct system.



**Airsteril in-duct units  
target  
bacteria, viruses,  
mould and fungi**

# The Healthy Air Solution

## DYNAMICALLY DISINFECTING THE AIR WE BREATHE AND THE SURFACES WE TOUCH

- Kills pathogens (bacteria, fungi and viruses including common cold and flu, COVID-19, influenza, stomach flu, legionella, Methicillin Resistant Staphylococcus Aureus (MRSA), Escherichia coli, Klebsiella pneumoniae and Pseudomonas aeruginosa.)
- Kills mould and mould spores.
- Removes Particulate Matter (PM2.5 & PM10).
- Removes Volatile Organic Compounds (VOCs).
- Safe to use around people, animals and plants.
- Offers continuous cost effective protection 24/7.
- Simple to install.
- Chemical and filter free. does not require expensive filter replacements e.g. HEPA filters.

## AIRSTERIL IS

- Chemical free.
- Filter free. does not require expensive filter replacements e.g. HEPA filters.
- Independently laboratory tested.
- Safe and environmentally responsible.

Visit [www.fortressair.com.au](http://www.fortressair.com.au) to view our full product range.

---

## PERFECT FOR USE IN

- Air Handling Units
- Ducting systems
- Air Conditioning systems

## Contact Us

[info@fortressair.com.au](mailto:info@fortressair.com.au)

1300 933 220

[www.fortressair.com.au](http://www.fortressair.com.au)

**Fortress AIR Solutions are the next generation technology of innovative solutions for indoor air quality**

Representing a step change in indoor air quality management with the introduction of Free Hydroxyl Radicals as well as Ions