

You deserve only the cleanest and safest indoor air quality

Air Sanitising Solutions from Ford & Doonan

Maximum protection for your home or office



Deactivate bacteria, viruses and fungal spores living in your air conditioning system with Ford & Doonan's latest innovation in UV technology. Completely safe and uses NO chemicals and is suitable for any ducted reverse cycle system up to 18KW.

Ford & Doonan Air Conditioning Systems – Head Office

5 Weatherburn Way, Kardinya WA 6163

t: (08) 9331 8800 e: info@fordanddoonan.com.au

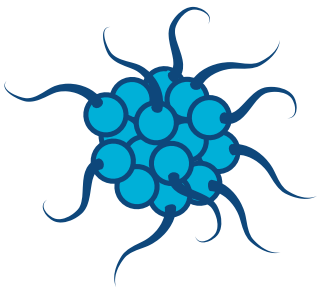
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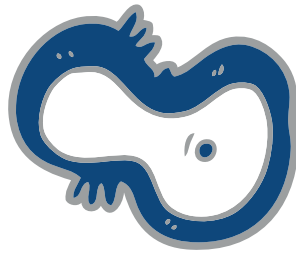
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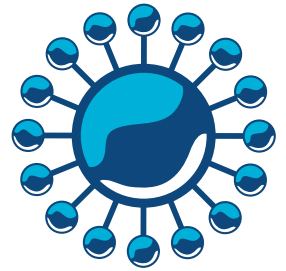
UV-C deactivates:



Viruses



Bacteria



Spores

The air we breathe is as precious as the water we drink. Therefore, having clean air throughout your home or office is vital.

UV-C lamps work with existing filters by using high output lighting. The UV-C wavelengths deactivate micro-organisms living on air conditioning ducts and evaporator coils.

How do UV-C Lamps Work?

UV-C lamps work on a physical process rather than a chemical process, and are non-ozone producing devices. Installed within the internal components of a ducted air conditioner, the UV-C has a kill ratio of 90 percent or higher, depending on wavelength, exposure time, dwell time and type of micro-organism.

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UV-C Lamp Technology

Benefits

Ford & Doonan's UV-C technology

90% or higher kill rate for airborne viruses, bacteria and mould spores	✓
Continuous UV-C wavelength of 200nm-280nm breaks down molecular bonds	✓
Cleaner evaporator coils, meaning reduced running costs for up to two years	✓
Improved indoor air quality with less odours	✓
Improves comfort and reduces A/C run time, and thus energy use	✓
Convenient, reliable and affordable high output 17-inch lamp with one year warranty	✓
Reduced chance of exposure to allergies, colds and flus	✓



A UV-C air sanitising system is suited to offices, hospitality and homes where ducted reverse cycle air conditioning systems are installed. The system employs high efficiency, high output lighting that can last up to two years. Once installed, it destroys surface and air microbes that grow, migrate and circulate in air conditioning systems such as allergens, infectious agents and odour. These microbes can be serious contributors to poor health and disease.

Germs and moulds living in your air can include Aspergillus, E Coli, Alternaria, Pollen, Salmonella and mould. UV-C damages DNA/RNA in cells. Any organic-based cell that is exposed to UV-C absorbs the rays at a molecular level. The organism is then rendered ineffective and unable to reproduce and infect. UV-C has been used to disinfect air conditioning systems in hospitals for over a century.



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- The installation of UV-C sanitising lamps is simple and takes just 45 minutes.
- The lamps can be fitted to both new and existing ducted systems of any age.
- Replacement lamps are inexpensive and easily replaced by a technician during an annual service.

UV-C germicidal lamps have been used to kill a variety of viruses and bacteria since the 1930's. Originally used in the medical field, they proved their effectiveness in killing airborne micro-organisms in hospitals and were also used during World War II. During the 1950s UV-C technology was introduced into the air conditioning and HVAC space in air handling units (AHUs) and became

a major component in the control and eradication of tuberculosis. Their popularity strengthened during the 1970s and 80s when researchers began to notice that germs were evolving resistances, with chemicals and cleaning agents becoming less effective. Through adaptation and innovation in both technology and lamp specifications, this formed the creation of residential and commercial UV-C lamps. Essentially bringing medical-grade technology to the masses.

Nowadays, UV-C germicidal lamps are used in hospitals and medical centres across the world. They're even being adapted for use in commercial airlines to combat the spread of surface-bound germs.

To learn more visit fordanddoonan.com.au/uvlamps or call **9331 8800**.

To book your UV-C lamp fitting, including a full air conditioning service, go to theirstore.com.au or call **9331 8800**.

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