

## TiO<sup>2</sup> UVC Air Sterilisation Kits

**Designed for New or Existing  
Fan Coil, VRF, or AC Split Systems**

***Sterilise your air the easy way!***

**Improve Indoor Air Quality for your Staff & Customers**

**Model: NRCS-1016**



 广东省微生物分析检测中心  
Guang Dong Detection Center Of Microbiology

CE FC RoHS EN62471



**CTI**  
CENTRE TESTING  
INTERNATIONAL



**Independently Tested, Certified,  
& Endorsed Air Sterilisation  
Technology**



  
Public Health  
England

 British  
Chambers of  
Commerce

**NHS**  
Improvement

**Silent Operation, Improves Overall  
Air Quality, 100% Safe to Operate in  
Live Working Environments**  
(No Mercury, No Ozone Used / Produced)

**TiO<sup>2</sup> Accelerant for Dual UVC &  
Photocatalyst Sterilisation**

(HQ Anatase Nano-Titania - 99.995% Purity)

**Proven to Deactivate Germs, Bacteria,  
& Viruses (Incl. COVID-19),**

**Additionally Removes: VOC's, HCHO,  
Pollen & Allergens, Smells & Odours**

**100% Safe to Operate in Live  
Working Environments**

- Patented Technology
- No Mercury
- No Ozone
- Easy Maintenance
- 10,000hrs / 3 Year Lifespan

**Fits most Types of Indoor Fan Coil,  
VRF, & Split Type AC Systems.**

**Average 20 - 30 Minutes Installation  
Time per Kit**

**Local On/Off Function via Wireless  
Wall Controller, or WiFi Control  
Option as Standard.**

**Set up 7 Day Scheduled On/Off  
Timers via WiFi App.**

**Control up to 200 Units from 1  
Device/App**

*Designed and manufactured for:*

**Shiva Air Conditioning Limited,**

Unit 8, Ballymount Cross Business Park,  
Ballymount Road Lower, Dublin 24, D24 PYK2,  
Republic of Ireland

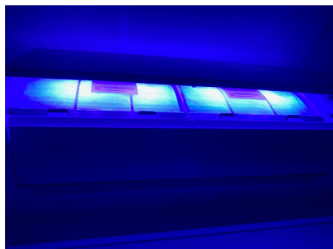
**Web:** [www.shiva.ie](http://www.shiva.ie) **Email:** [info@shiva.ie](mailto:info@shiva.ie)

**Tel:** +353 (0)1 453 9118

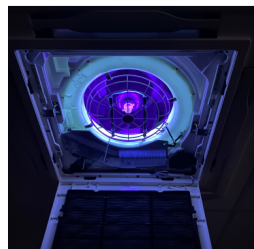
## DUCTED



## HIGH WALL



## 4-WAY CASSETTE



### Application Settings

**Medical:** Hospitals, Pharmaceutical Factories, Operating Rooms, Isolation Wards, Blood Stations, Rehabilitation Centres, GP Doctors Surgery's, Dental Surgery's, Opticians, etc,

**Industrial:** Electronics Factories, Optics Factories, Plastic & Hardware Factories, Cosmetic Factories, Food Factories, Commercial Prep Kitchens, Sanitaryware Distributors, Plumbing/Electrical/Trade Related Distributors, etc

**Office Buildings:** Telecommunications, Web Support Centres, Call Answering Centres, Private Serviced Offices, Open-Plan Shared Workspaces, Local Government Offices, Banking Sector, etc

**Public Spaces:** Schools, Colleges, Airports, Bus Stations, Train Stations, Hotels, Gyms/Leisure Centres, Libraries, Supermarkets, Department Stores, Tourist Attractions, Museums, Exhibition Halls, etc.

**Retail:** Furniture Showrooms, Kitchen Showrooms, Bathroom Showrooms, Car Showrooms, Toy Stores, Beauty Salons, Pharmacies, Cafes, Restaurants, Bars, Off-Licences, Newsagents, etc

### Whats in the Box

- 2 No. NRCS-1016 UVA & UVC LED Lamps c/w built-in Driver & Wi-Fi Module
- Wireless Wall Mounted Controller for Manual On/Off Function
- 2 No. TiO<sup>2</sup> Coated Photocatalyst Filters (*TiO<sup>2</sup> Spray Coat Application also available*)
- Installation Manual- WiFi Control Setup Instructions Included in Manual
- 3M Adhesive Pads, Cable Ties, Remote Keychain for Manual On/Off Function
- UV Radiation Warning Sticker to be Placed on Indoor Unit



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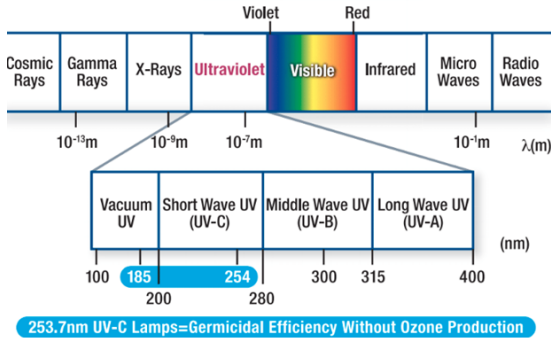
EN62471

**Independent Testing & Certification Available for Review** 3-Year 'Lease to Buy' Finance Available on Large Qty's (30+ pcs)

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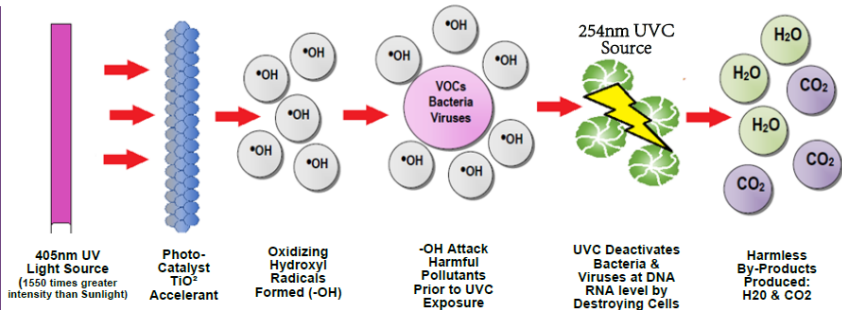
 **SHIVA** Air Conditioning  
AC Experts for Commercial  
Installations & Maintenance

# The Science Behind The Technology



- **Patented Dual UVC & Photocatalyst Air Sterilisation Technology**
- **405nm UVA for Photocatalysis Activation**
- **254nm UVC for Germicidal Sterilisation / Deactivation**
- **By-Products are CO<sub>2</sub> & H<sub>2</sub>O (Harmless to Humans)**

## Dual UVC & Photocatalyst Air Sterilisation Technology



## Technical Information

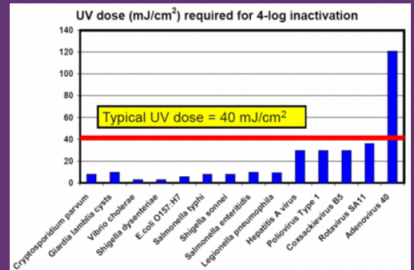
Voltage	AC 100 – 240V	
Frequency	50/60Hz	
Power Consumption	10w	
Light Source Qty	UVC	2 Pieces
	UVA	8 Pieces
Light Source Power Input	UVC	1.3w
	UVA	5.3w
Radiant Power	UVC	20mW
	UVA	3100nW
Wavelength (nm)	UVC	254nm
	UVA	405nm
(Chamber) UVC Radiation Intensity	59.60μW/cm <sup>2</sup>	
Operation Temperature Range	-40 – 85°C	
Expected Avg. Lifespan	10,000 Hours / 3 Years	

UVC Radiation Safety Tests	
UVC Radiation	20mW
Lighting Distance	26.0cm
Lighting Angle	130 degree
Lighting Range Length	111.86cm
Lighting Range Area	12512.52cm <sup>2</sup>
UVC Radiation Intensity	1.60μW/cm <sup>2</sup>

UVC Radiation Safety Tests	
UVC Radiation	20mW
Lighting Distance	73.0cm
Lighting Angle	130 degree
Lighting Range Length	313.44cm
Lighting Range Area	98246.52cm <sup>2</sup>
UVC Radiation Intensity	0.20μW/cm <sup>2</sup>



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