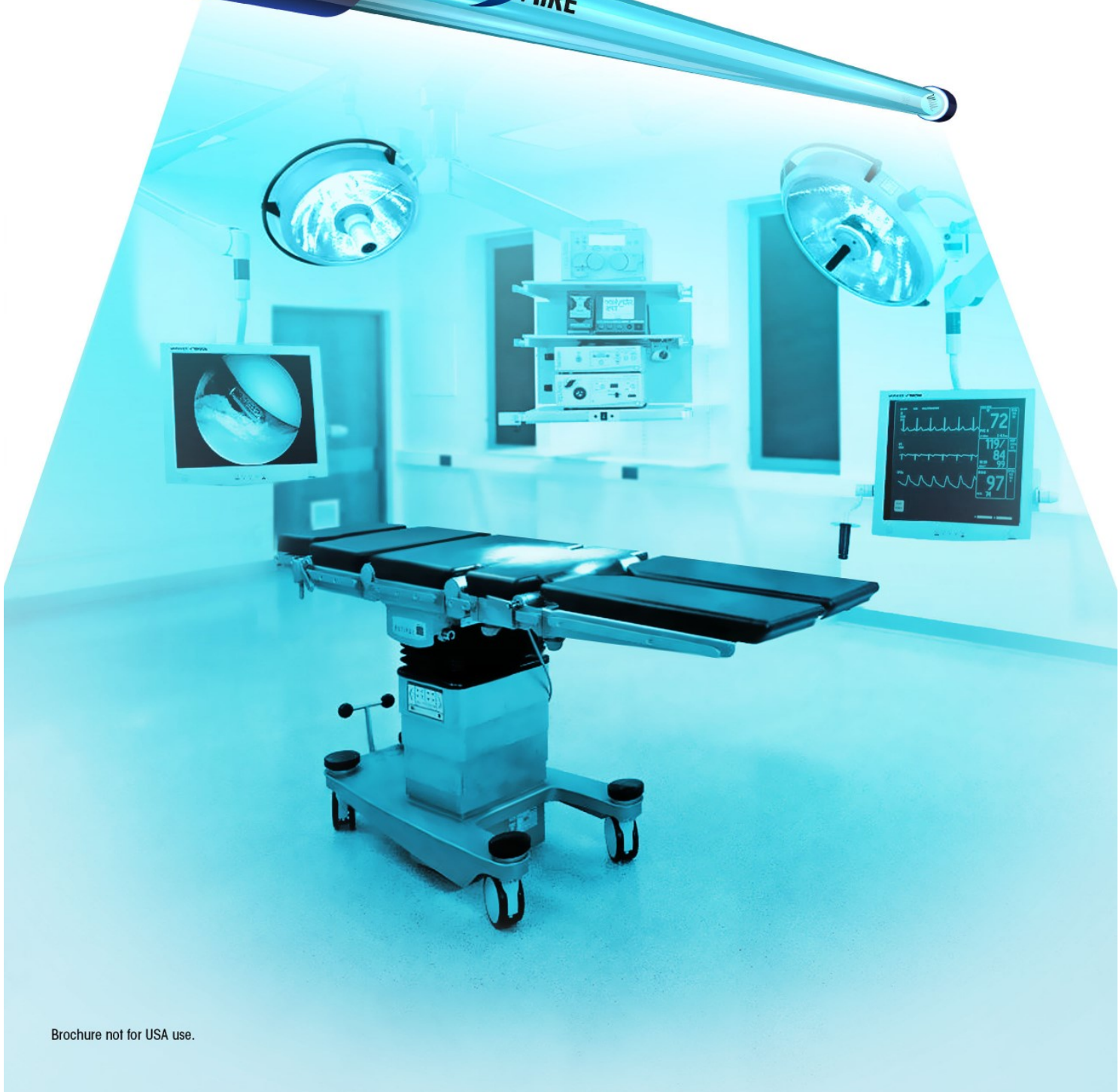


STERIL-AIRE®

*World Leaders for
Hospital UVC*



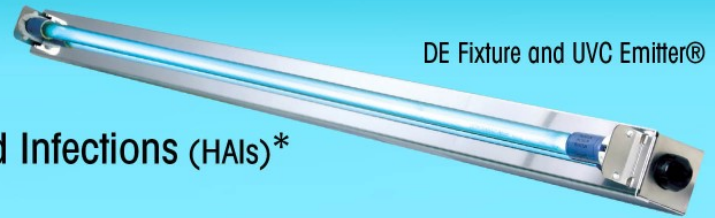
Brochure not for USA use.

How Steril-Aire Benefits Hospitals

CLINICAL

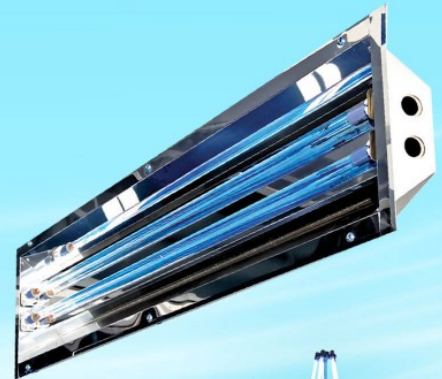
Improved IAQ

- Reduce certain Hospital Acquired Infections (HAIs)*
- Increased bed availability *
- Reduction in HAI medication use *
- Reduction in HAI lab tests *
- Reduction in patient morbidity and mortality *
- Reduction in staff absenteeism **
- Partial pandemic protection ***
- Surface decontamination



DE Fixture and UVC Emitter®

Ceiling Mounted DE422 UVC Emitter®



FACILITIES ****

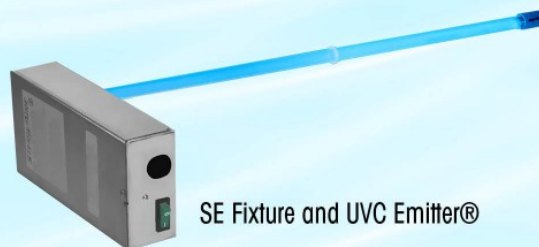
Automatic coil cleaning

- Reduction of maintenance down-time
- Reduction of maintenance costs
- AC energy saving
- Reduction in carbon footprint
- Coil Condensate Recovery/Recycling

Extension of equipment life:

- Coil
- Chiller
- Pumps
- HEPA filters

RIDS UVC Emitter®



SE Fixture and UVC Emitter®



Steril-Zone™

* Subject to UVC Dosage applied

* See Case study Women's & Children's Hospital Buffalo, NY

** See Case Study: McGill University, Montreal, Canada

*** ASHRAE Airborne Infectious Diseases Position Document

*** Use of Steril-Aire UVC at Tan Tock Seng Hospital at height of SARS pandemic (2003)

**** See Case studies at www.steril-aire.com

Hospital Use of Steril-Aire UVC



HVAC systems

- AHUs
- Fan-coils
- Splits
- Wall Package Units
- Unit Ventilators
- Heat Wheels
- Ice Machines
- Refrigeration
- Forced Air Systems
- Humidifiers



In Room

- Ceiling Mounted
- RIDS
- Steril-Zone

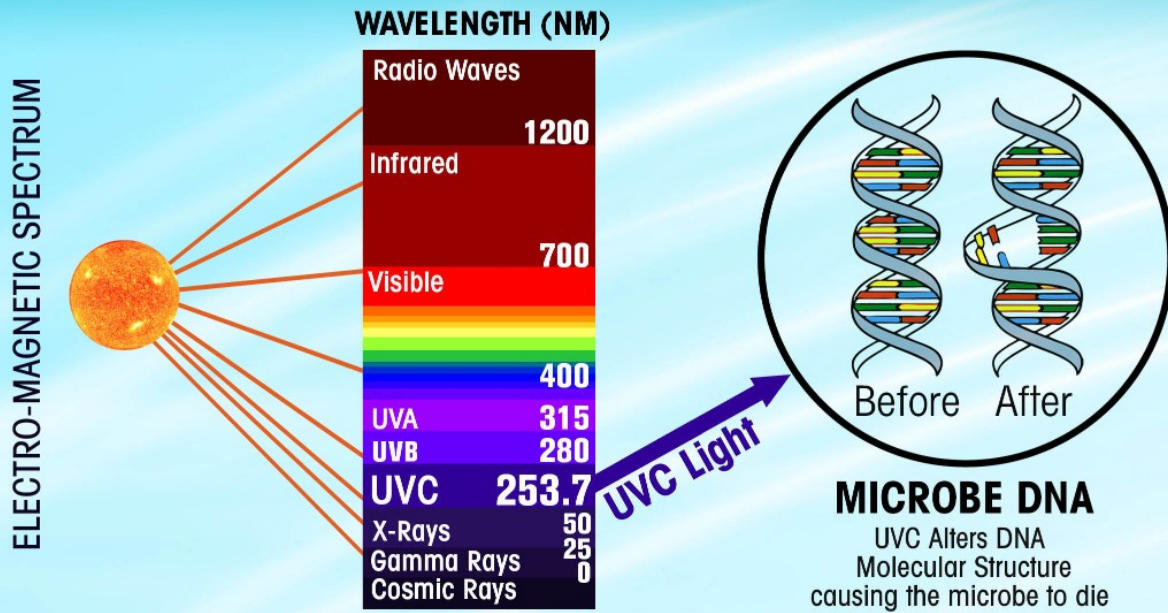


Locations

- Operating Theater
- Intensive Care
- Isolation Wards
- ER (Emergency Room)
- Recovery Rooms
- Labs
- Extract Ducts
- Kitchen Ducts
- Morgue
- Cooling Towers

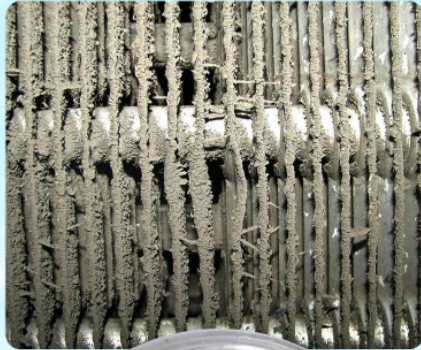


The Science of Steril-Aire UVC

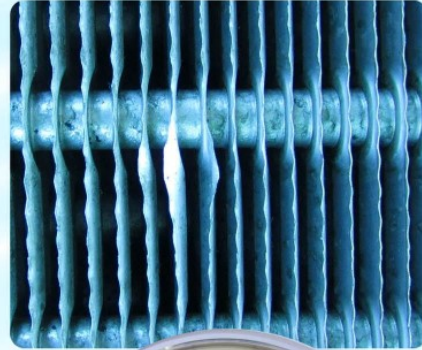


Air-Conditioning Cooling Coil

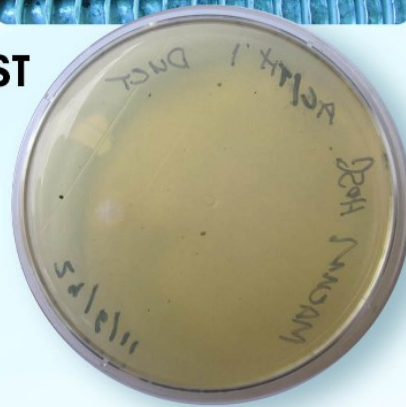
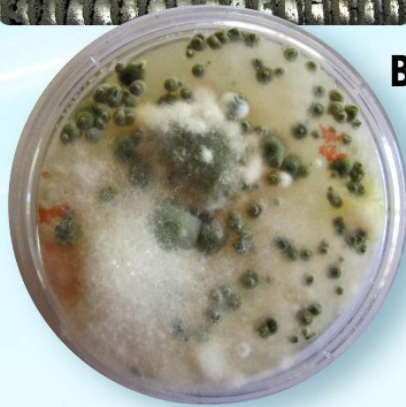
Before Steril-Aire



After Steril-Aire



BIO-TEST



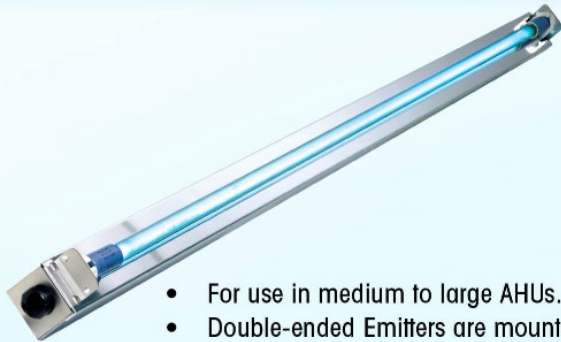
Before Steril-Aire

After Steril-Aire

Steril-Aire UVC Products

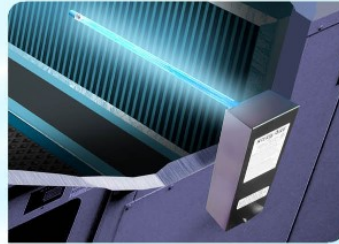
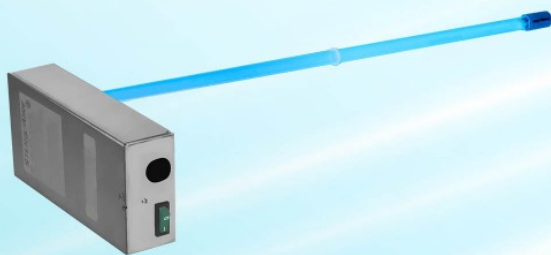
Full catalogue at www.steril-aire.com

DE SERIES UVC EMITTER[®]



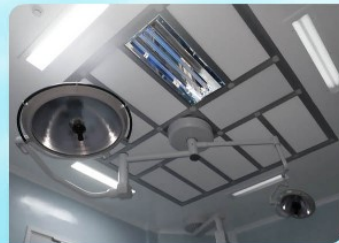
- For use in medium to large AHUs.
- Double-ended Emitters are mounted internally and fitted end-to-end to fit any size coil.
- Available in: 18", 24", 30", 36", 42", 62" inch lengths (46, 61, 76, 91, 107, 157 cm lengths).
- Universal power-supply. 110 to 277V - 50/60 Hz

SE SERIES UVC EMITTER[®]



- For fan-coils, heat-pumps, unit ventilators, packaged AHUs, terminal units, and ducts.
- Mounted on exterior of AHU. Tube Installed through a one-inch hole (2.54 cm) drilled through the AHU casing.
- Available in 12", 16", 20", 24", 30", 36", 42" inch lengths (30, 41, 51, 61, 91, 107 cm lengths).
- Universal power-supply: 110 to 277V- 50/60 Hz
- Also available as an internally mounted kit with 12" to 61" (30 to 155 cm) SE Emitter tubes.

CEILING MOUNTED DE 422 & RIDS SERIES UVC EMITTER[®]



- DE 422 for Decontamination of Medical Spaces (without people).
- RIDS Portable Decontamination Unit.

Reports Worldwide

Selected Customer Case Studies (www.steril-aire.com)

- Florida Hospital
- Michigan Hospital
- Muskogee Hospital
- Buffalo Women's & Children's Hospital
- New South Wales, Australia
- IV Lab Lehigh Valley Hospital
- Infection Control & Hospital Epidemiology

Government UVC Acknowledgements

- EPA Homeland Security, USA
- General Service Administration (GSA), USA
- Ministry of Labour, Italy
- Tan Tock Seng Hospital, Singapore (Green Mark Platinum Award)
- Building and Construction Authority of Singapore (Green Innovation Award)
- Center of Disease Control and Prevention (CDC), USA

Industry UVC Recognition: ASHRAE

- Director's Letter June 24th 2009
- Chapter 17 - 2012 ASHRAE Handbook (HVAC Systems and Equipment)
- Chapter 60 - 2011 ASHRAE Handbook (HVAC Applications)

USA HOMELAND SECURITY RESEARCH

Dose $\mu\text{W}\cdot\text{sec}/\text{cm}^2$ per watt



STERIL-AIRE
SANUVOX TECHNOLOGIES
ULTRAVIOLET DEVICES
NOVATRON
LUMALIER
DUST FREE
ATLANTIC UV
AMERICAN UV
ABRACAIR LLC

