

The American Ultraviolet UVC Fixed Mount Packages



American Ultraviolet®

Insightful Solutions. Remarkable Results. Since 1960.

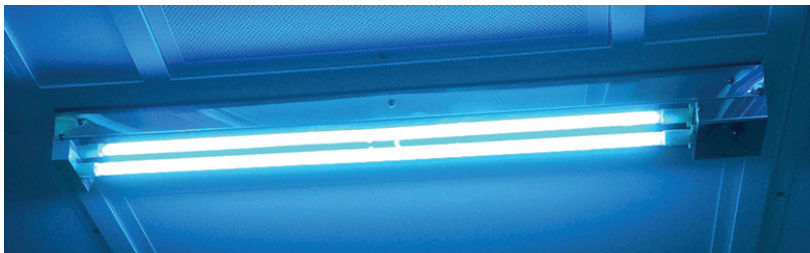
Fixed Mount Package



Permanently placed UVC fixtures are available 24/7/365, and provide adjunct disinfection in OR's in less than 10 minutes.



Fixed Mount Package components include a touchscreen controller, radiometer, indirect wall-mounted fixtures, direct surface-mounted fixtures, door barrier fixtures, warning signs, safety shields, and staff training.



Why UVC for the OR?

Studies as far back as 1937, and as recent as 2017, report the effectiveness of ultraviolet light in reducing viable microorganisms on surfaces and in the air.



Why the American Ultraviolet Fixed Mount Package:

Since the early 1970's, American Ultraviolet has provided healthcare professionals with 1,000+ Fixed Mount packages that reduce the threat of microbiological contamination by continuously disinfecting the environment. Unlike a mobile unit, the UVC Fixed Mount packages are permanently installed in important environments and important areas always present and available for use.



American Ultraviolet®
Insightful Solutions. Remarkable Results. Since 1960.

The American Ultraviolet UVC Fixed Mount Packages

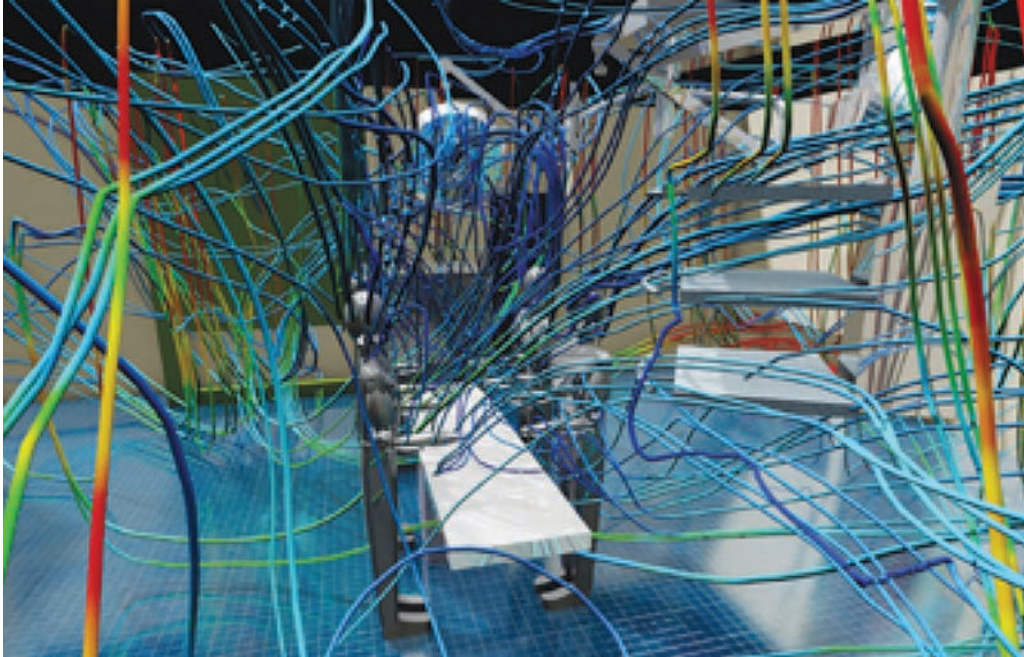
Help reduce viable microorganisms in your facility by using a Permanent UVC Solution

- Eradicate MDRO's 24/7/365
- Fastest Cycle Time
- No Additional Staff
- Improve Terminal Cleaning
- Avoid Unnecessary Costs



Testing

Irradiating the air and surfaces with safe and effective UVC energy before, during, and after a procedure has been shown to reduce viable microorganisms on surfaces and in the air.



The sample illustration shows a CFD (Computational Fluid Dynamic) model of the air flow patterns in a typical OR.

Image courtesy Machine Design® magazine.

Roughly 290,000 patients every year contract infections while undergoing surgery, according to the Centers for Disease Control and Prevention. The CDC also reports that SSIs represent 20% of all health care acquired infections (HAIs), and the Center for Healthcare Design (CHD) estimates that more than 30% of SSIs are caused by airborne pathogens.

The primary sources of bacteria transmitted to the surgical site through the air are squames, or skin scales. Approximately 1.15×10^6 to 0.9 to 10^8 squames are generated in a typical two to four hour surgical procedure, according to a study published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).

Full and complete coverage is provided by the fixed-mounted UVC package. Shadowed areas are minimized, and only one cycle is required for full disinfection.



Studies



Visit auvhealthcare.com to view independent studies about using UVC

Please visit our website for links to articles from as far back as 1935, in publications that include The Journal of Bone and Joint Surgery, the American Academy of Orthopedic Surgeons, and Annals of Surgery. Studies address topics that include using UV light during orthopedic surgery & benefits of using UV in the OR.



Safety

UV in Use Warning Signs

Bold, visual, in-use warning signs are illuminated to alert personnel entering the space that direct UV light is being used in. Also, every UVC fixture in the room has its own passive infrared motion and heat sensor – if they were to “see” motion, or sense heat, all fixtures will immediately shut down.

Safety Face Shields

UV-resistant, optically-clear, full face shields come with each Fixed Mount package. When used in conjunction with a head sock, this piece of PPE provides complete coverage for the head and neck.



“We have been using the American Ultraviolet OR package for more than 10 years. It’s simple to use, extremely effective, and very user-friendly. I recommend it to any hospital.”

Park Sterling Hospital
Lafayette, Louisiana

Other Healthcare Solutions from American Ultraviolet:



Data-logging, touch tablet-controlled ARTZ[®], and smaller MRS units, provide affordable, efficient, and effective disinfection solutions throughout all healthcare environments.



Since 1960 American Ultraviolet has provided healthcare institutions with UV germicidal disinfection solutions designed specifically to inactivate airborne microorganisms and bio-aerosols.



Custom and standard in-duct, on-coil, and in-room UV solutions increase efficiency, prolong equipment life, and improve indoor air quality throughout entire buildings.



AQ Series UV water treatment units, with flow rates from - 2-1,000 gallons per minute, safely and effectively purify water in commercial and residential applications.



The handheld, portable UVC Blade disinfection device, inactivates bacteria, viruses and fungi in spaces where traditional hard-mounted UVC fixtures are inconvenient to be mounted; and where portable devices have limited access.



UVC Dosimeters[™] are safe, efficient tools used to verify UVC exposure of a surface, or instrument, in healthcare environments - the perfect compliment to mobile UVC systems, and the Fixed Mount packages.



American Ultraviolet[®]

Insightful Solutions. Remarkable Results. Since 1960.

Corporate HQ, Lebanon, IN • Torrance, CA • Hackettstown, NJ • 765.483.9514 • www.auvhealthcare.com

