

Our Patented Technology

The Xenex disinfection device produces pulsed xenon UV light that rapidly decontaminates rooms in minutes. The device completely inactivates all bacteria, viruses, and spores without surface contact. The unit also deodorizes the air in the treated area. It was designed to be used in both medical and public settings, including: surgical suites, intensive care units, nursing homes, prisons, schools, public transportation, health clubs, pharmaceutical manufacturing, food handling facilities, and in civil defense and bioterrorism defense applications.

Technical Specifications

Efficiency at 99%	5000m³/hr
Lifetime of xenon lamp (at 99%)	10,000 rooms (100m³ each)
Maximum output	10 Megawatts
Power Requirement	2 Kilowatts
Current	110V, 60Hz
Dimensions (inches)	39.4 x 15.4 x 18.9
Weight	100 lbs. (wheeled)



Operation

The trained and certified Xenex service technician wheels the unit into position in the unoccupied room according to our proprietary treatment protocols. The technician enters the room variables into the device control panel based on the treatment plan for that specific room. The technician then leaves the room and closes the door (with the door safety sensor in place) and completes safety procedures before starting the treatment. When the UV pulse treatment is finished, the device shuts down automatically and the room can be entered immediately.

Safety Questions

Q: What safety measures are in place to prevent unintended UV exposure?

A: Xenex technicians have operator keys, as well as door sensors that require a closed door and an unoccupied room for the device to work. All windows and door cracks are covered by Xenex room kits.

Q: Can a room be treated without damage to furniture, equipment, and room décor?

A: Yes. We have tested dozens of materials using a three-year standard treatment (1,800 minutes) and found no damage to plastics, rubbers, paints, and other permanent surfaces found in medical facilities.

Q: UVc interacts with oxygen to produce ozone. Are the ozone levels safe with Xenex treatments?

A: Yes. Our ozone levels tested well below the exposure limits of OSHA, the NAAQS and the FDA.

Q: How loud is the device? Is it reasonable to operate in a patient setting?

A: The UV pulses make a “flash bulb” sound measured at 65 decibels, a noise level which is usually classified as “quiet” and often compared to “normal conversation.”

The Xenex device has an ETL product safety mark, and is registered with the FDA and EPA.