

# Shatter-Resistant UVC Emitters™

Very High Output Germicidal UVC for Food and Beverage, Life Science applications



## Features

- Shatter and moisture-resistant protection
- Superior UVC output
- USDA and FDA approval for surface decontamination.
- Produces no ozone or secondary contaminants.
- Improves Indoor Air Quality (IAQ).

## Perfect for...

- Surface Disinfection
- Raw material decontamination
- Storage rooms
- Packing and Filing Stations
- Commercial Refrigeration
- Air Treatment

Steril-Aire's shatter-resistant UVC Emitters are ideal for use in critical applications found in the food, beverage and life science industries. Steril-Aire UVC Emitters are coated with a protective plastic sleeve from end to end. If dropped or broken, glass fragments and mercury remain safely contained. The sleeving is also designed to prevent moisture intrusion for use in wash down areas.

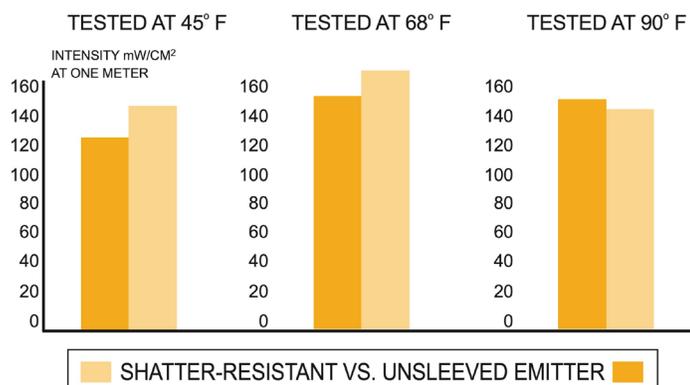
This special sleeving is available for the full line of Steril-Aire's multi-patented germicidal UVC Emitters providing protection and convenience. UVC is scientifically proven to disrupt the DNA or RNA structure of virus, bacteria, mold, and yeast and has been approved for use by the FDA and USDA in food facilities.

## Applications

**Food and Beverage:** Shatter-resistant Emitters are ideal for surface disinfection, tumbling drums, conveyor and shaker systems, packaging and filling stations, commercial refrigeration and other food and beverage processing applications. Steril-Aire Emitters are systems-engineered to work in the cold, moving airstreams found in these environments. Installed in plant HVAC and air make up systems, UVC can reduce airborne contamination.

**Life sciences:** Shatter-resistant Emitters are ideal for pharmaceutical manufacturing and packaging. It is also effective for use in Laboratory/research facilities for surface decontamination. Installed in facility HVAC systems, UVC can also reduce airborne contamination.

### Shatter-Resistant vs. Unsleeved Emitter



NOTE: All tests at 500 fpm

Steril-Aire shatter-proof UVC Emitters provide the highest level of shatter-resistant protection and superior output in the cold conditions typically found in food, beverage and life science applications.

## Specifications

The **Shatter-Resistant germicidal UVC Emitter** tube shall be a very high output, hot cathode, T5 diameter, medium bi-pin type that produces germicidal UVC energy of 253.7 nm. The Emitter shall operate in air velocities of up to 2000 fpm and air temperatures of 35- 140° F. It produces no ozone or other secondary contamination.

**Plastic sheathing:** The tube shall be hermetically encapsulated in a plastic sheath precluding glass contamination in the event of breakage. The sleeve shall be

comprised of a highly engineered FEP resin coating of no less than 0.25mm thickness. The process shall not reduce the tube's typical output over its one-year life cycle and shall produce only slight variances in temperatures of 35-170° F.

The manufacturer shall be an ISO 9001:2015 and ISO 14001:2015 certified facility.

Consult individual product specifications for the desired model of UVC fixture for your application.

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