

UV Sanitizing System for Walk-In Coolers

Researched, Tested, and Study-Backed

Walk-in coolers are at high risk of exposure to viruses, bacteria, mold, allergens, and other pollutants. These can contaminate air and surfaces and may stay active and infectious for extended periods of time - risking health and lives.

Our researched, tested, study-backed, and affordable ultraviolet germicidal irradiation (UVGI or UV) equipment harnesses the power of UV-C light to kill pathogens or render them harmless. UV disinfection can be used to extend the life of fresh-cut flowers and produce, reduce mold, and help prevent the spread of infectious diseases. The UV sanitizing system is suitable for use only for walk-in cooler applications above 32° F.



UV Sanitizing System

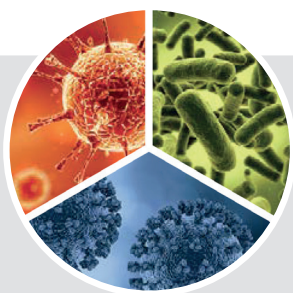
PSF Series

The PSF series offers targeted, high-level UV disinfection for walk-in coolers.

The compact units are easily wall-mounted to provide continuous air disinfection in a contained device. The PSF-16PCO is designed for walk-in coolers less than 250 sq. ft. and features one integrated fan to create a powerful airflow, while the PSF-24PCO, with two fans, is suitable for walk-in coolers up to 400 sq. ft.



This upper air UV equipment also helps reduce pathogens that settle out of the air and onto surfaces. For example, if a larger pathogen aerosolizes for 20 seconds to 5 minutes and then falls out of the air, it contributes to surface disease transmission. These upper air UV solutions can help reduce both the air pathogen load and, in combination with normal surface cleaning procedures, further reduce the surface pathogen load.

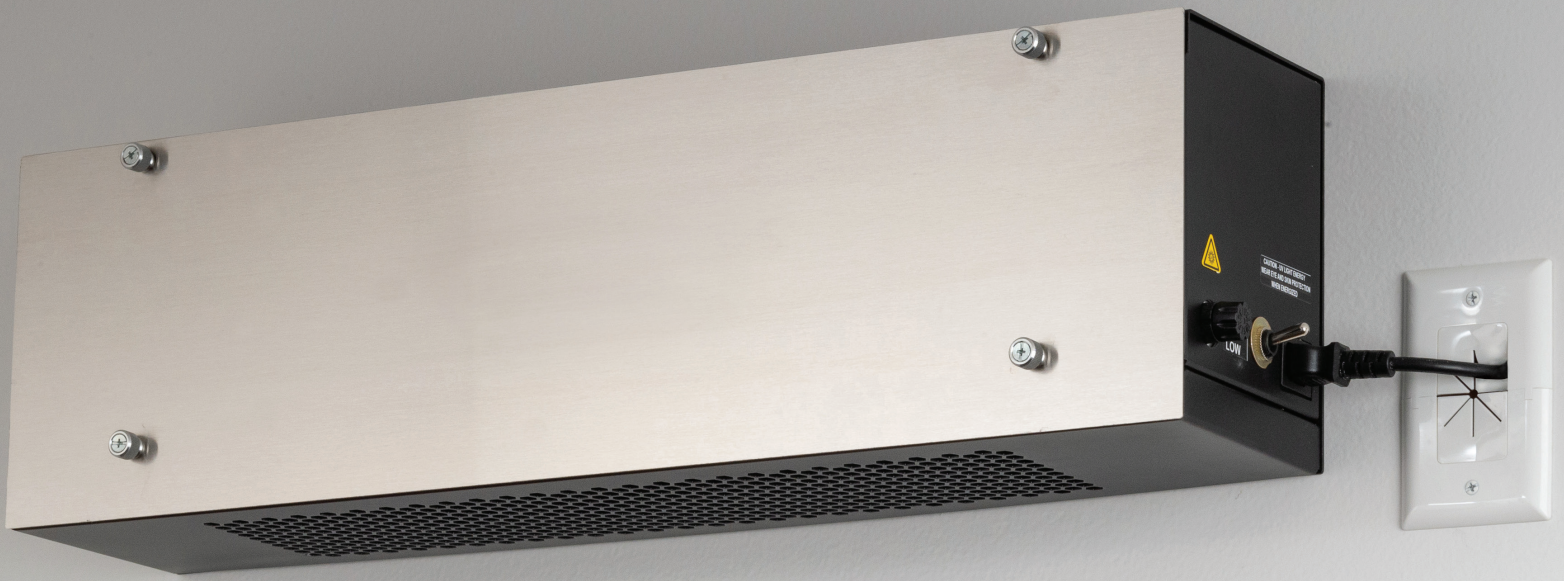


Everidge UV kills >99.9% of tested virus and bacterial pathogens, including SARS-CoV-2 (the coronavirus that causes COVID-19).



"Consider using ultraviolet germicidal irradiation (UVGI) as a supplement to help inactivate SARS-CoV-2... Upper-room UVGI systems can be used to provide air cleaning within occupied spaces..."

Source: CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC), COVID-19 (CORONAVIRUS DISEASE)



UV Sanitizing System for Walk-In Coolers

PSF Series

How Does It Work?

The PSF series employs short-wavelength UV-C light to kill or inactivate pathogens such as bacteria, viruses, and molds in the air. UV-C light disrupts their DNA and destroys their cellular function, causing the death of the microorganisms and/or rendering them helpless. While air moves naturally to the upper walk-in cooler via convection currents, these upper air products feature integrated fans to create circulation and airflow more quickly.

As the air circulates through the walk-in cooler passing into the unit's disinfecting UV-C light the number and impact of pathogens is continuously reduced.



To ensure the correct amount of germicidal UV-C light to help achieve the highest possible pathogen kill rate for your walk-in cooler, we use our proprietary sizing method. Working with you prior to shipping, we calculate based on size of your walk-in cooler and additional factors such as airflow, air circulation, and type of environment. Disinfecting time depends on walk-in cooler size and pathogens targeted for elimination but, within minutes, pathogens can be mitigated from your space.

The PSF series is an affordable and effective UV solution backed by science, quality manufacturing, and an experienced team that cares.

PRODUCT SPECIFICATIONS

Designed for walk-in coolers: <ul style="list-style-type: none"> • less than 250 sq. ft. (PSF-16PCO) • less than 400 sq. ft. (PSF-24PCO)
Requires at least 7 ft. ceiling heights and 120 V to operate
Safe for occupied spaces
ETL safety tested and certified
Wall mounted
Direct wired or plugged-in
Fans located on the bottom to create a powerful airflow
Non-corrosive aluminum construction
Manufactured in the USA
5-year warranty

>99.9% in One Air Pass



Independent laboratory testing shows that our UV systems killed more than 99.9% of tested virus and bacterial pathogens, including SARS-CoV-2 (the coronavirus that causes COVID-19), in one air pass.

87.1% Reduction



A published three-year retrospective field study, using our UV systems, showed an 87.1% reduction in upper respiratory infections in the animal study subjects.





UV Sanitizing System for Walk-In Coolers

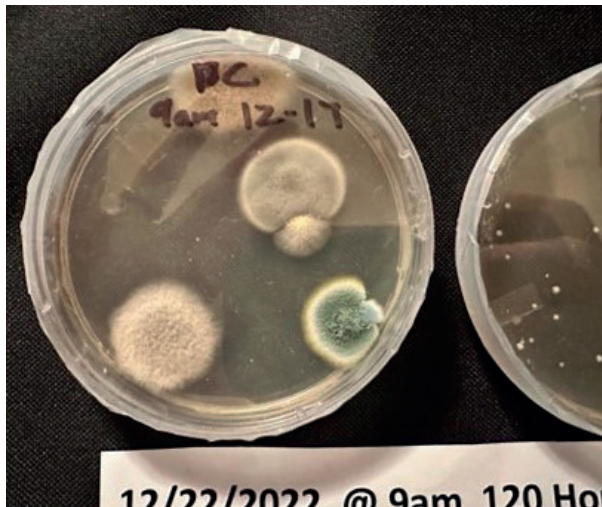
Up to 100% Decrease in Weekly Food Waste in Deli Cooler Test

Our upper air UV system helps reduce product shrinkage to help achieve maximum yield for increased revenue.

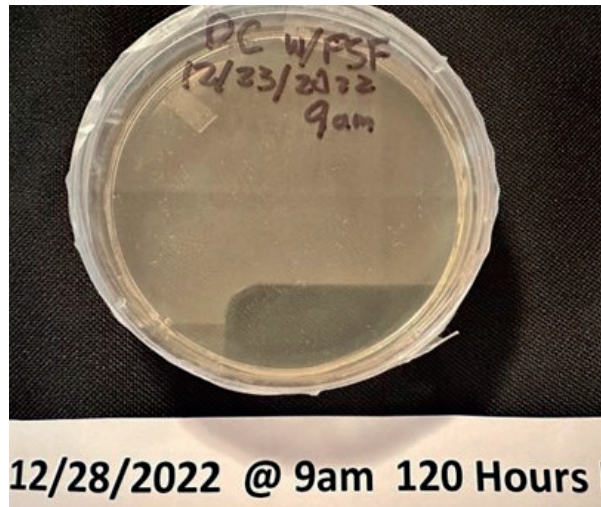
Item Category	Average Weekly Shrink	Actual Shrink During UV Test	Shrink Savings	% Decrease
Greens	\$139.79	\$0.00	\$139.79	100%
Deli Sliced Meats	\$217.31	\$52.69	\$164.62	75.75%
Beans	\$99.15	\$72.53	\$26.62	26.85%

The results below highlight notable reductions in lactic acid bacteria, yeast, and mold. Specifically:

- Yeast on chicken and beef decreased from 2,500 cfu/g to 410 cfu/g – 83.6% reduction
- Lactic acid bacteria on kidney beans decreased from 100 cfu/g to 10 cfu/g – 90% reduction
- Mold on lettuce and spinach decreased from >30,000 cfu/g to 270 cfu/g – 99% reduction



Petri dish at 9 a.m. WITHOUT PSF-16 PCO unit
12/22/22 – 120 HOURS



Petri dish at 9 a.m. WITH PSF-16 PCO unit
12/28/22 – 120 HOURS

UV Sanitizing System Suitable for All Everidge Walk-In Cooler Brands



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