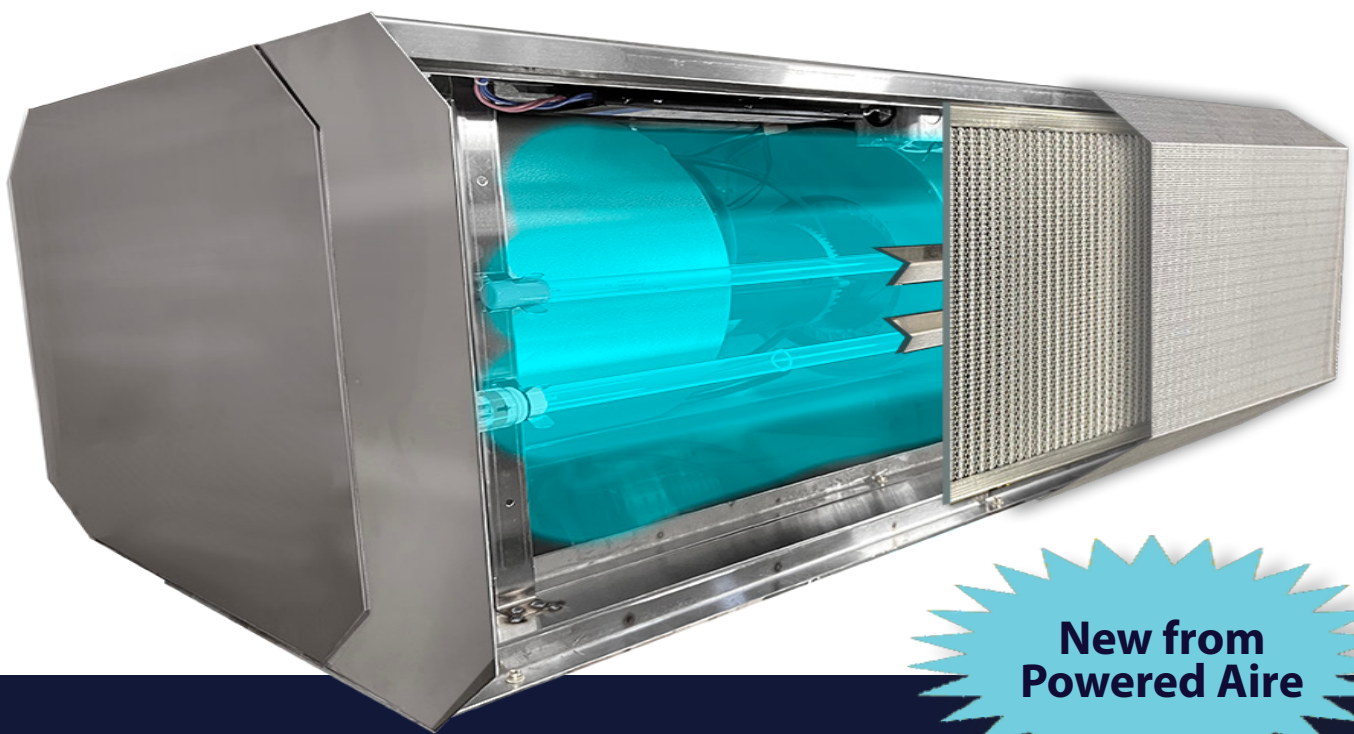


**POWERED
AIRE Inc.**
AIRE CURTAINS

THE

UVC *Aire* TM
BY POWERED AIRE



**New from
Powered Aire**

Clean Air. Sanitized Air. Powered Aire

**UV-C Light-based germ deactivation tucked inside a stainless-steel Air
Curtain offering unparalleled environmental separation and air purification
that can kill up to 99.9% of Coronavirus (COVID-19)**

WHY INCORPORATE UV-C LIGHT INTO AN AIR CURTAIN?

Today, more than ever, there exists the need to reduce germs within environments within public areas. The COVID-19 Pandemic has forever changed the way we live, work, shop and play. Powered Aire air curtains are excellent tools for separating environments and improving the level of comfort by preventing the entrance of unconditioned air, smoke, fumes, insects and other unwanted elements.

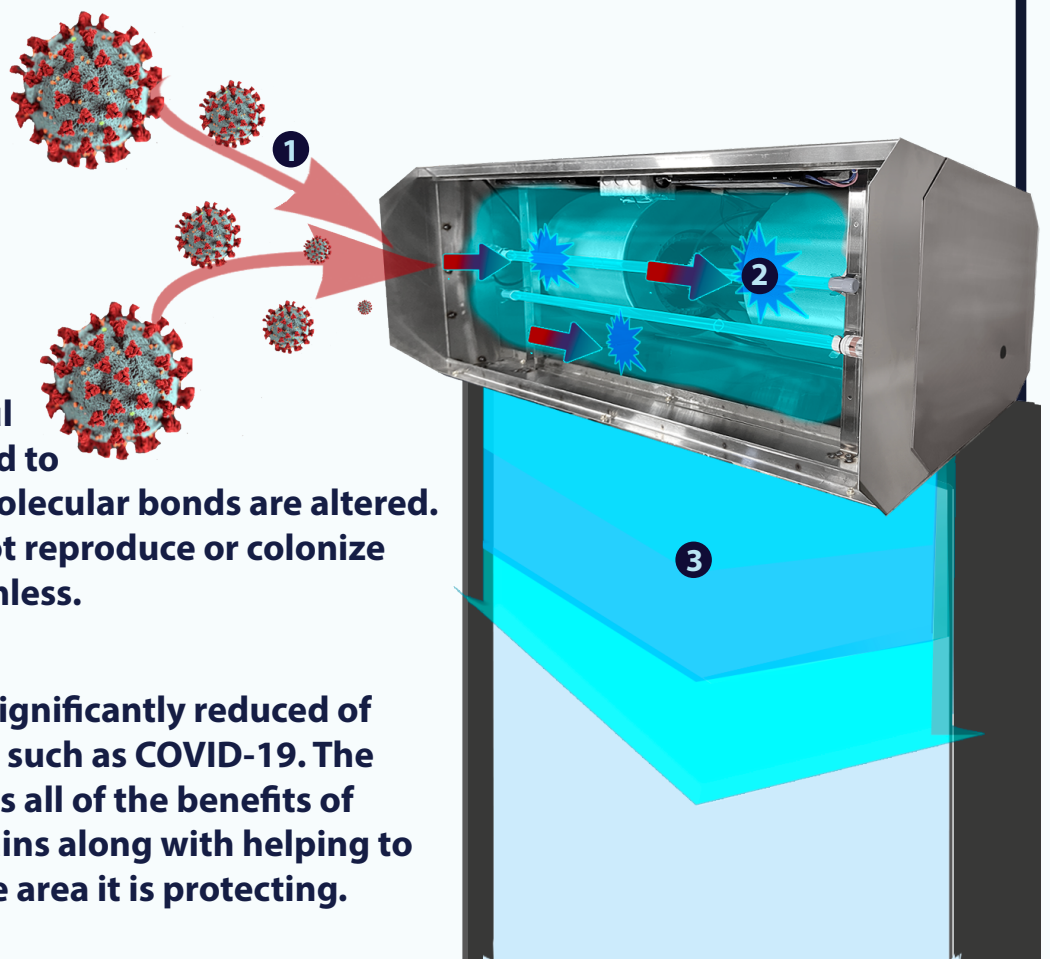
With the addition of UV-C light to our air curtains, we can now improve safety by helping to eliminate the spread of airborne bacteria and viruses. These devices are capable of removing up to 99.9 percent of the airborne Coronavirus/COVID-19 pathogens passing through the air curtain and most units will boost inactivation percentage rates in the mid- to high-90s depending on speed and number of emitters.

Powered Aire's UVC-Aire is available in a stand-alone unit or as a retrofit extension for pre-installed units. The UVC-Aire is also effective against airborne pathogens, bacteria, and other forms of the SARS virus, as well as MRSA.

Of further benefit, the higher the volume of air recirculated through the air curtain, the cleaner it becomes. Multiple passes mean a greater reduction of germs!

HOW IT WORKS

- 1 Germs, viruses and bacteria are pulled into the intake screen of the air curtain.**
- 2 Upon passing through the screen, the harmful pathogens are exposed to UV-C light and their molecular bonds are altered. Ultimately, they cannot reproduce or colonize and are rendered harmless.**
- 3 The discharged air is significantly reduced of dangerous pathogens such as COVID-19. The circulating air provides all of the benefits of Powered Aire air curtains along with helping to clean and disinfect the area it is protecting.**



USING AIR CURTAINS TO IMPROVE THE CUSTOMER/EMPLOYEE EXPERIENCE

Open doors maximize accessibility but are prone to insects, outside temperatures and fumes. Air Curtains allow doors to be closed-even when they're open.

- An open door utilizing an air curtain ensures environmental separation while enabling touchless/contactless access, which reduces the spread of germs and removes a potentially “germy” touchpoint in a door handle
- Contactless order pick-up, drive-thru and curbside ordering are all on the rise, stressing the importance for servers/employees to have easy access in and out of restaurant.
- “Hand-off Service” is fast becoming an option for restaurants, cafes and bars -- where the front door is used as a hand-off point for orders while the door remains open.
- Big Box retailers are adopting curbside/touchless pickup options to meet the increasing customer demand.
- In medical facilities, where there is an increased potential for the transmission of airborne pathogens, UV-C lights in air curtains help inactivate and remove viruses from the air.



The difference between UV-C, HEPA and Ionization as a method of germ control

	Negatively impact or reduce airflow?	Method of Germ Removal	Produces ozone?	Lifespan/ how often to change	Airborne Kill/ Inactivation Rate	Surface Kill/ Inactivation Rate
UV-C Light – Powered Aire	No	Inactivate/kill	No	1 Year	95.7% - 99.9%**	99.9%
HEPA Filter	Yes	Catch only, no kill	No	4-26 Weeks (highly dependent on application)	n/a	0 %
Ionizer*	No	Charged ions bond to germs, bringing them to the ground faster but not killing them	Yes	10 years, with regular cleaning	n/a	0 %

* Convincing scientifically-rigorous, peer-reviewed studies do not currently exist on this emerging technology; manufacturer data should be carefully considered. ASHRAE Epidemic Task Force

**Inactivation rates will vary by air curtain model & speed setting, type of pathogen and emitter selection. Rates are provided by UV-C emitter manufacturer and based on ASHRAE calculations and lab testing.



Standalone air curtain with:

UVC-Aire –Powered Aire's air sanitation system proven to eliminate COVID-19 and other viruses from the air.

Up to 99.9% airborne kill-rate effectiveness on Low Speed and up to 95.7 on High Speed.

99.99% surface kill rate for self-cleaning inside unit.

Unit runs continuously on low speed when the door is closed, to purify the air.

Unit will ramp up to potentiometer-set speed when the door opens.

Adjustable speed, ¾ HP ECM Motors offer up to 72% energy savings over PSC motors.

Fully-assembled and available in full foot increments from 36" up to 168" (emitters installed in the field).

Includes unit mounted cleanable filter and disconnect switch for safe and secure maintenance and emitter replacement.



Extension of the air curtain case for retrofit of previously installed air curtains:

UVC-Aire –Powered Aire's air sanitation system proven to inactivate Coronavirus and other viruses from the air at up to a 99.9% effectiveness rate.

Designed to retrofit on most existing unheated or electrically heated commercial or low-profile units.

Quick and easy installation – easily extend the case depth with emitters and new filter.

Plug-and-Play with 120 Volt Power Supply–Emitters will continuously operate independent of air curtain operation.

Simply apply new (supplied) filter and intake screen to front of extension.

Extension adds 4" of depth to each unit.

UV-C resistant silicone supplied to further secure and block UV-C light from escaping unit.

To Request a webinar/lunch-and-learn of the UVC-Aire or other Powered Aire products, email us here:

Info@PoweredAire.com



To learn more about the UVC-Aire, visit:
www.PoweredAire.com/UVCAire

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