



**HOSPITALITY
ENVIRONMENTS**



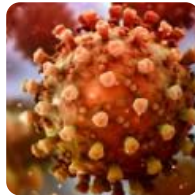
Bring the Cleansing Power of the Sun to your Hotel Room

Introducing the
OHAir® MySpace™ Air Purifier
Powered by **PYURE Technology™**

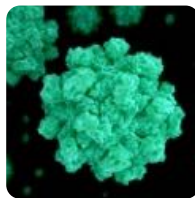
Protection Against Pathogens

via technology that recreates indoors, the way sunlight disinfects the outdoor environment.

Technology that quickly and effectively sanitizes both **Surface** and **Airborne** contaminants



SARS-CoV-2



Viruses



Bacteria



Mold



VOC & Odors

What are Hydroxyls and How Do They Work?

Hydroxyls are a natural oxidant and the most important sanitizing agent in our outdoor environment. By decomposing natural and man-made pollutants and killing pathogens, they keep air safe to breathe.

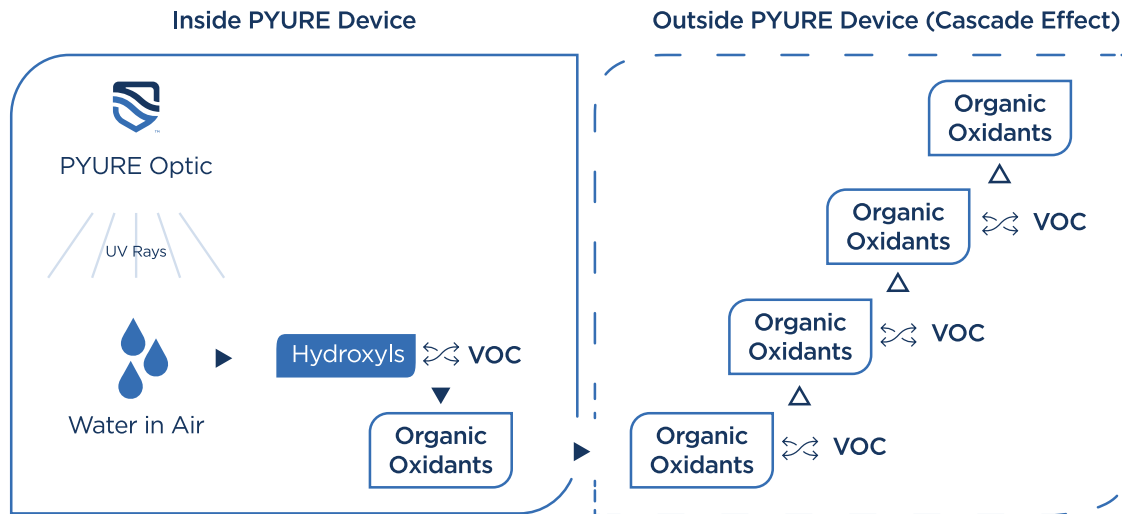
Hydroxyls do not exist naturally indoors.

That's why Hydroxyl Generator Technology is designed to bring the cleansing power of the sun indoors.



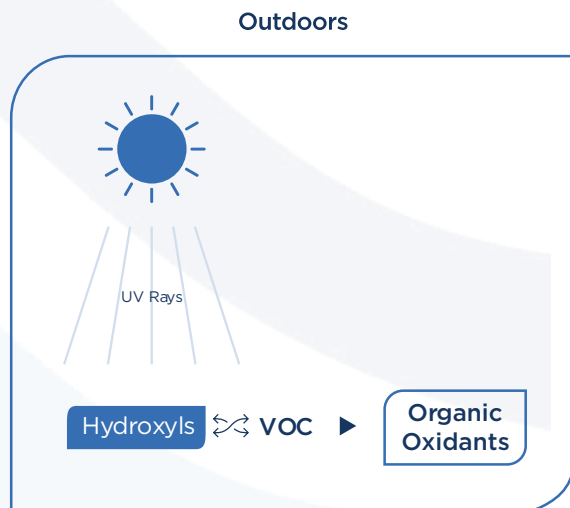
Technology

PYURE produces the same concentrations of hydroxyls & organic oxidants as the sun generates outdoors



Nature's Process Outdoors

Sunlight produces hydroxyls & organic oxidants



20-40
milliseconds

hydroxyl reaction time

2-4 million
molecules/cm³

hydroxyl production
similar to nature: 3 to 10 million
molecules/cm³

(David R. Crosley, Connie J. Araps, Melanie Doyle-Eisele & Jacob D. McDonald (2017) Gas-phase photolytic production of hydroxyl radicals in an ultraviolet purifier for air and surfaces, Journal of the Air & Waste Management Association, 67:2, 231-240, DOI: 10.1080/10962247.2016.1229236).

Safety & Efficacy

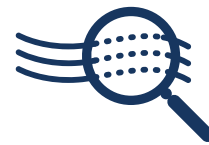
Safe and Natural Protection

Safe concentrations:

PYURE devices are engineered to produce safe levels of total oxidants when operating guidelines are followed.

<50 PPB (Parts Per Billion)

**Total oxidants,
including ozone**



Scientific literature:

There is no evidence in the scientific literature of any safety issues with atmospheric hydroxyls and organic oxidants at these naturally occurring concentrations.

**No adverse evidence in
existing databases**

- NIH
- CDC
- FDA
- OSHA



Independent toxicity study:

As further evidence of safety, PYURE had an independent lab undertake a 13-week GLP toxicology study that showed there were no adverse effects.

Toxicity Study

- **13 week** study
- **24/7** continuous exposure
- **3X higher** exposure levels
- **No effect** on exposed rats



Airborne Pathogen Destruction

PYURE Technology kill rates on airborne viruses, bacteria and mold.

>99% reduction in **30** minutes

SARS-CoV-2 aerosolized (COVID-19 virus)		MS2 virus aerosolized (simulant for coronavirus)		PhiX174 virus aerosolized (simulant for smallpox)	
Reduction	Time	Reduction	Time	Reduction	Time
99%	20 min	99.9%	30 min	99.9%	30 min
Not Detected	80 min	99.999%	90 min	99.99%	60 min

Staphylococcus E. aerosolized (gram + bacteria*)		E. herbicola aerosolized (gram - bacteria*)		Aspergillus Niger aerosolized (black mold)	
Reduction	Time	Reduction	Time	Reduction	Time
99%	30 min	99%	30 min	99.9%	30 min
Not Detected	90 min	99.99%	120 min	Not Detected	90 min

Surface Pathogen Destruction

PYURE Technology kill rates on surface viruses and bacteria.

SARS-CoV-2 virus (COVID-19 virus) on glass		Influenza (H1N1) virus on glass		Norovirus (Murine) on glass	
Reduction	Time	Reduction	Time	Reduction	Time
99%	1 hour	96%	1 hour	94%	1 hour
Not Detected	3 hours	99.999%	6 hours	99.998%	6 hours

Poliovirus 1 (Sabin) on glass		Adenovirus 5 on glass		E. Coli/Bacteria stainless steel (s.s)/cotton	
Reduction	Time	Reduction	Time	Reduction	Time
90%	1 hour	90%	1 hour	99.99%	3 hours (s.s)
99.99%	6 hours	99.99%	6 hours	99.9%	3 hours (cotton)

Uniquely Differentiated & Scalable

Powerful and Natural Sanitization Solutions

PYURE Technology effectively treats air and surfaces in occupied spaces.

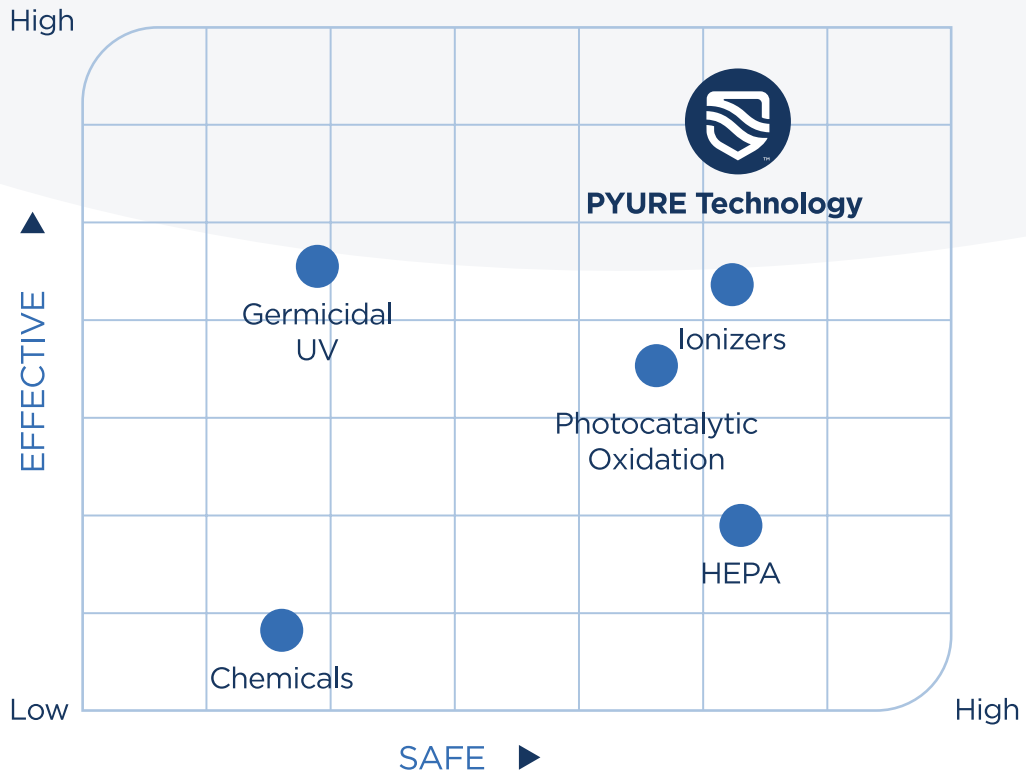
Hospitality Environments delivers unmatched, safe and effective room purification for both guests and staff.



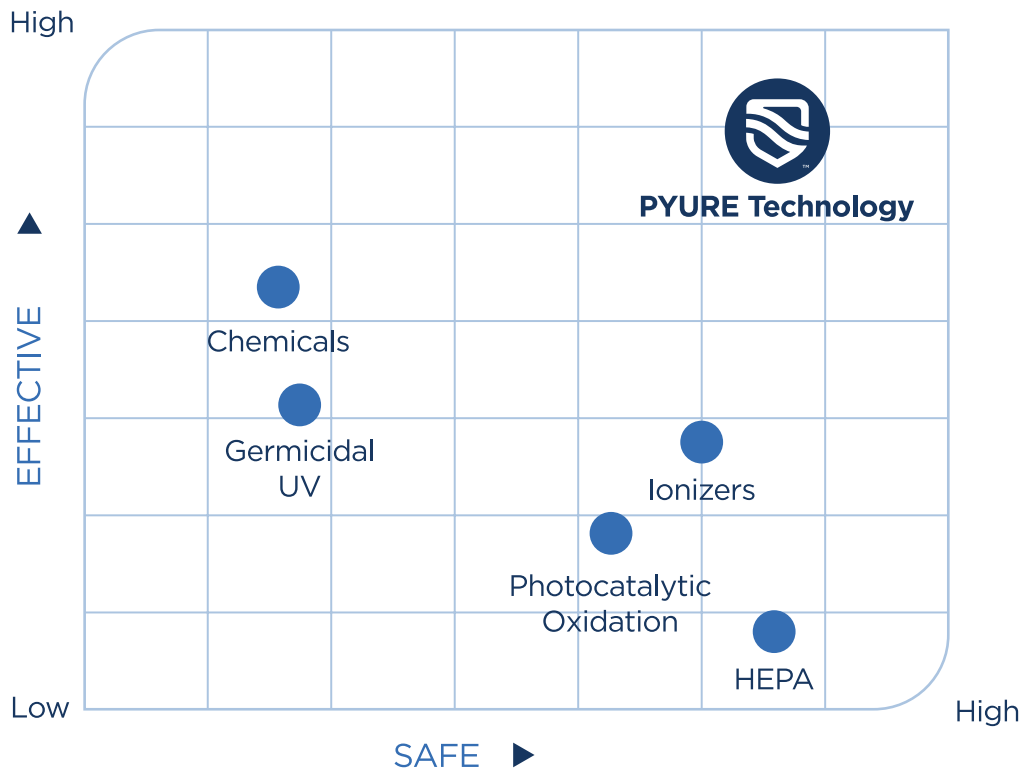
	PYURE	Filters (HEPA)	Photocatalytic Oxidation	Ionization	Germicidal UV In-Duct	Hydrogen Peroxide
Safe for Occupied Spaces	Yes	Yes	Yes	Yes	Yes	Yes***
Reduce Pathogens in Air - Inside the Device	Yes	Yes	Yes	Yes	Yes	No
Reduce Pathogens in Air - Outside the Device	Yes	No	Limited*	Limited**	No	Limited***
Kills Pathogens on Surfaces	Yes	No	Limited*	Limited**	No	Limited***
Safe for Materials	Yes	Yes	Yes	Yes	Yes	No
VOC & Odor Removal in Air Inside the Device	Yes	No	Yes	Yes	No	No
VOC & Odor Removal in Air Outside the Device	Yes	No	Limited*	Limited**	No	No
Sensor Driven Interactive Controls with Data Logging	Yes	No	No	No	No	No
Scalable	Yes	Yes	No	Limited	No	No
Remove Particulates	No	Yes	No	Yes	No	No

* Hydroxyl production is restricted to the catalyst surface, very limited production of organic oxidants
 ** Reactivity of ions and O2 are short lived, effect drops off quickly as distance from ion source increases
 *** At concentrations that are safe for human exposure (less than 1 PPM), pathogen reduction is limited

AIR PURIFICATION



SURFACE SANITIZATION



Helping Hoteliers Improve Health, Wellness and Peace of Mind

We partner with hoteliers who, understanding the "best-practice" benefits of our technology, will choose PYURE Hydroxyl Generator Solutions for their room sanitization requirements.

Our hoteliers choose Hospitality Environments, OHAir MySpace because our products help them deliver the greatest social, environmental and economic returns.

The Gen 2 MySpace™ is ideal for numerous applications where rooms are **100 to 500 ft²***:

- **Guest Rooms**
- **Business Centre**
- **Fitness Centre**
- **Small Meeting Rooms**
- **Staff Back Offices**

*Larger Room Area Solutions are available



The Gen 2 OHAir® MySpace™



The Gen 2 MySpace™ protects against pathogens and improves indoor air quality using the same PYURE Technology as the Odorox® line of commercial air purifiers.

- **Treats up to 500 square feet**
- **Quiet and discreet**
- **Available in black or white**

Product Specifications

Dimensions:	13" x 4.5" x 11.5" (LxWxH) [330mm (L) x 110mm (W) x 290mm (H)]
Weight:	8.4 lbs (3.8 kg)
Air Inlet/Outlet:	14" (355.6mm) Round
Power:	110 – 240 V AC, 50- 60 HZ, 12- 24 V DC, 45 Watt FAN
Controls:	Variable Fan Speed Control Variable hydroxyl output Selector Switch PLC Touchscreen
Filter:	Washable Filter Included
Noise Level:	32 – 38 dBA @ 3'
Coverage:	100 to 500 Ft ² (50 m ²)
Certifications:	ETL (US/CA), CE, FCC, CTIC, CQC, CSA



How to Order

Contact Hospitality Environments

info@hospitalityenvironments.com | 1-352-346-7227



How to implement
MySpace™ in Your
Hospitality Space



To learn more about our products and the best solution for air and surface sanitization, contact:

 info@hospitalityenvironments.com

 +1-352-346-7227



Exclusive Distributor for PYURE
Products in Hospitality