

HYGENX™
by HamiltonBuhl®

Vray Portable UV-C Sanitizer

Thousands of uses – classroom, home and office – made safer!

HYGENX-VRAY



Use Anywhere Germs Spread – Desks, Laptops, Pens, Tablets and More – Kills 99.9% of Bacteria!

Easily, quickly and safely clean and sanitize all objects and surfaces with HygenX™ Vray, the high intensity cordless UV-C sanitizer that kills 99.9% of bacteria on everyday items, used and shared, in today's classrooms, offices and homes.

Lightweight and cordless, Vray is designed for easy portability and features a rechargeable battery. Capable of hands-free and portable operation, Vray can be used to clean anywhere and anything in a classroom, home or office, even large toys, keyboards, instrument panels, touchscreens, etc.

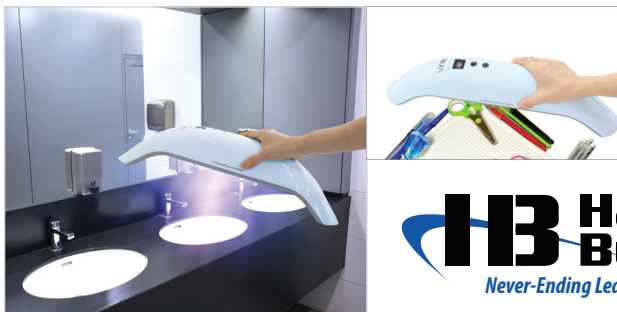
A patented safety sensor is activated as the unit is turned on, and Vray turns off automatically when the unit is tilted 30° in either direction, to prevent exposure to skin and eyes, and ensures exposure only to the intended sanitation target. There is also an option to turn off the safe mode to allow sanitization of odd shaped and larger objects.

The HygenX™ Vray UV-C lamps are encased in shatter-safe coating ensuring if the lamp breaks, it will break internally within the casing with no glass fragments to clean up.

HygenX™ Vray will give you ease of use, safety and peace of mind to ensure every shared item, every object and every spot in any room is clean!

Product: 18.4" x 4.6" x 2.7"; 1.5 lbs.
Shipping: 22" x 12.9" x 4.5"; 3.85 lbs.

EPA Est. No. 96961-KOR-1



HB Hamilton Buhl®
Never-Ending Learning Innovation



Vray is a Winner!

Chosen on Wellbot's 2020 List of Top 25 Smart Products of the Year!

See Wellbots Winners here:
<https://www.wellbots.com/pages/2020-wellbots-ranking>



When used properly, kills 99.9% of:

- Escherichia Coli (E-Coli)
- Pseudomonas aeruginosa
- Staphylococcus aureus
- Klebsiella pneumoniae
- MRSA
- Salmonella typhimurium
- Bacillus subtilis
- Vibrio parahaemolyticus
- Human Coronavirus
- Influenza A virus (H3N2)
- Human Rhinovirus

Specifications:

- Lamp: UV-C lamp 8W with safe coating
- UV-C lamp uses 253.7nm Wavelength
- Typical UV-C lamp lifespan ranges from 4,000 hours to 8,000 hours before lamp requires replacement.
- Frequent on/off switching will significantly influence lamp life.
- Ozone-Free
- Battery: Rechargeable Lithium-Ion
- Adapter 100-240V, 50-60Hz, 12V 2.0A
- Charging time: Approx. 2 hours
- Operation time: Approx. 3.5 hours
- Vray Warranty: 1 Year
- UV-C Lamp Warranty: Free from Manufacturer's Defects 30 Days

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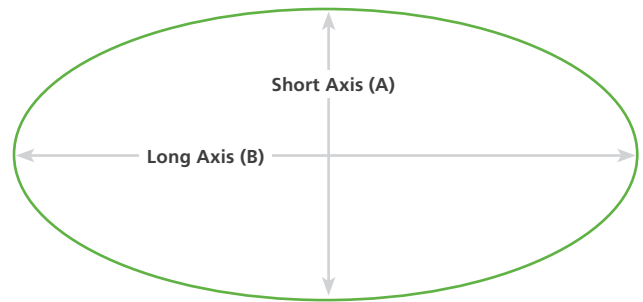
Test Result Assessments between Strain Samples and HygenX™ Vray

Strains	5 Seconds at 2" from Sample (% of Reduction)	10 Seconds at 8" from Sample (% of Reduction)	2 Minutes at 2" from Sample (% of Reduction)	5 Minutes at 8" from Sample (% of Reduction)		
Escherichia Coli (E-Coli)	99.9%	99.9%				
Pseudomonas Aeruginosa	99.9%	99.9%				
Staphylococcus Aureus	99.9%	99.9%				
Klebsiella Pneumoniae	99.9%	99.9%				
MRSA	99.9%	99.9%				
Salmonella Typhimurium	99.9%	99.9%				
Bacillus Subtilis	99.9%	99.9%				
Vibrio Parahaemolyticus	99.9%	99.9%				
Human Coronavirus					99.997%	99.997%
Influenza A Virus (H3N2)					99.999%	99.999%
Human Rhino Virus			99.9999%	99.9964% @ 6"		

HygenX™ Vray Light Sanitizing Areas (Based on Various Heights)

Height In Inches	Estimated Area	
	Short Axis (A)	Long Axis (B)
2"	13"	17"
4"	20.5"	22.5"
6"	25"	32.5"
8"	28.5"	38"

HygenX™ Vray Sanitizing Area



Vray Lab Test Results:

Lab test results show how the HygenX™ Vray provides up to 99.9% or better in bacteria/germ reduction when used properly. Using Vray gives you peace of mind that every shared item, every object in the classroom is sanitary!

[SGS Lab – Independent Lab Test – All Tests](#)

[KCL Lab – Independent Lab Test – All Tests](#)

[KRICT Lab – Independent Lab Test – All Tests](#)

[KTR Lab – Independent Lab Test – All Tests](#)

Kills 99.9% of germs in seconds!

