

NYSAC®

NEW YORK STATE
ASSOCIATION OF COUNTIES

The Power of New Building Air Filtration Systems That Can Protect Against Covid 19

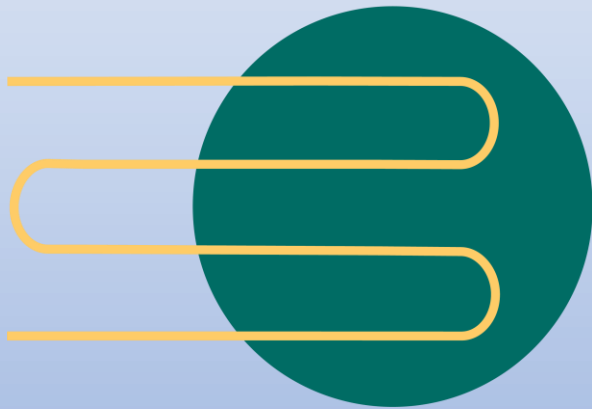
Webinar - July 17



Mark LaVigne, PhD
Deputy Director
NYSAC

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since 1884



danforth



Vincent Lobdell
President
Healthway





HealthWay

FAMILY OF BRANDS



HealthWay

healthway.com



intellipure®

intellipure.com



Pure™ wellness

pureroom.com

The HealthWay logo features the word "HealthWay" in a white, sans-serif font. To the left of the text is a stylized icon consisting of three horizontal lines of varying lengths, resembling a signal or a bar chart.

HealthWay

LEADING
B TO B BRAND

The intellipure logo features a stylized leaf icon to the left of the word "intellipure" in a white, lowercase, sans-serif font. A registered trademark symbol (®) is located to the upper right of the word.

intellipure®

FASTEST GROWING
B TO C BRAND

The Pure wellness logo features a stylized leaf icon above the word "Pure" in a white, sans-serif font. Below "Pure" is the word "wellness" in a smaller, lowercase, sans-serif font. A trademark symbol (™) is located to the upper right of "Pure".

Pure™
wellness

#1 WELLNESS
PROGRAM

HealthWay®

FAMILY OF BRANDS

Electrostatic 1981



Ultra-Violet 1991



EMF 1998



DFS 2010



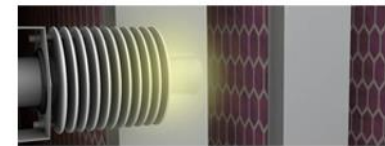
HEPA / ULPA 1985



Air Exchange 1993



Photocatalytic 2002



Founded on 40 years of air cleaning innovation

Company Facilities



PULASKI, NEW YORK

Location 1 – 3420 Maple Ave.

- 18,000 sq/ft – Assembly Facility including:
- Management, Marketing, Sales Design and Engineering

Location 2 – 3326 Maple Ave. (Acquired in 2017)

- 9,000 sq/ft – CNC Fabrication Center (on 20 acres)
- Plan to expand the facility and consolidate all operations in one location

Location 3 – 4776 Salina St. Acquired May 2020

- 12000 sq. ft Commercial assembly

Currently 68 employees

Products Manufactured

- Intellipure Ultrafine Portables,
- Super V Whole-House
- Commercial Units, 950-P's, 2000SC, 1200SC, Inline Modules



SHENZHEN, CHINA

- Arms Length General Contract Manufacturer since 1999
- 11% Ownership by HealthWay Shareholder Management
- Plan to streamline all portable production to take advantage of US Tariff exclusion
- Facility is a 9001-2015 quality facility
- HealthWay Headquarters controls subcontract component suppliers

Currently 135 employees

Products Manufactured

- Intellipure Ultrafine Portables,
- Deluxe Portables,
- Intellipure Compact Portables

Additional manufacturing relationships in South Korea for components and Taiwan for Components and Subassemblies.



**World Health
Organization**

Air pollution is the greatest environmental threat to human health

- 7 Million people died prematurely from illnesses attributable to air pollution in 2016
- 9 out of 10 people worldwide do not breathe safe air
- Head of WHO, Dr. Tedros Adhanm Ghebreyesus, calls air pollution the “new tobacco” (2018)

The Risks

THE **INVISIBLE KILLER**

Air pollution may not always be visible, but it can be deadly.



36%
OF DEATHS FROM
LUNG CANCER



34%
OF DEATHS FROM
STROKE



27%
OF DEATHS FROM
HEART DISEASE

BREATHELIFE.
Clean Air. Healthy Future.



World Health
Organization



CLIMATE &
CLEAN AIR
COALITION

68%

Believe that their house has a moderate to strong **impact on their health.**

6000

The number of **work days missed** per
1000 workers due to poor IAQ

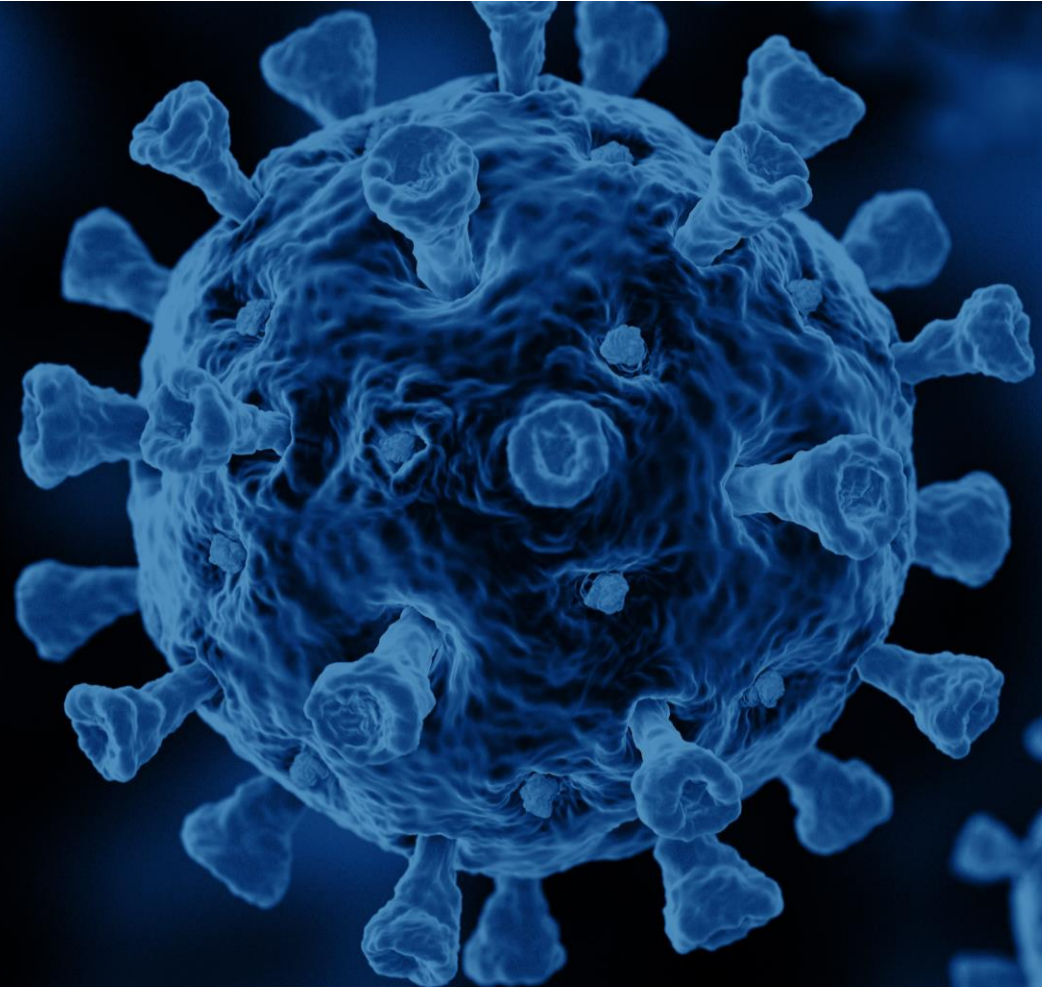
65%

Are at least somewhat
concerned about indoor air quality

Global Pandemic

Nearly 240 experts urge WHO, CDC to acknowledge airborne transmission of COVID-19

Top CDC concern regarding indoor spaces and the spread of COVID-19 is that there may be a risk associated with air conditioning and spreading viral particles through HVAC units.



EPA Recommends

- Eliminate the source of pollution
- Dilute air when possible
- Clean air with high quality air purifier



What the Experts are Saying:



Getting back to work:

- Increase ventilation
- Enhance HVAC filtration
- Use portable air cleaners

Dr. Joseph Allen
Harvard T.H. Chan School of Public Health



Introducing the first vertically integrated line of professional air purification systems.

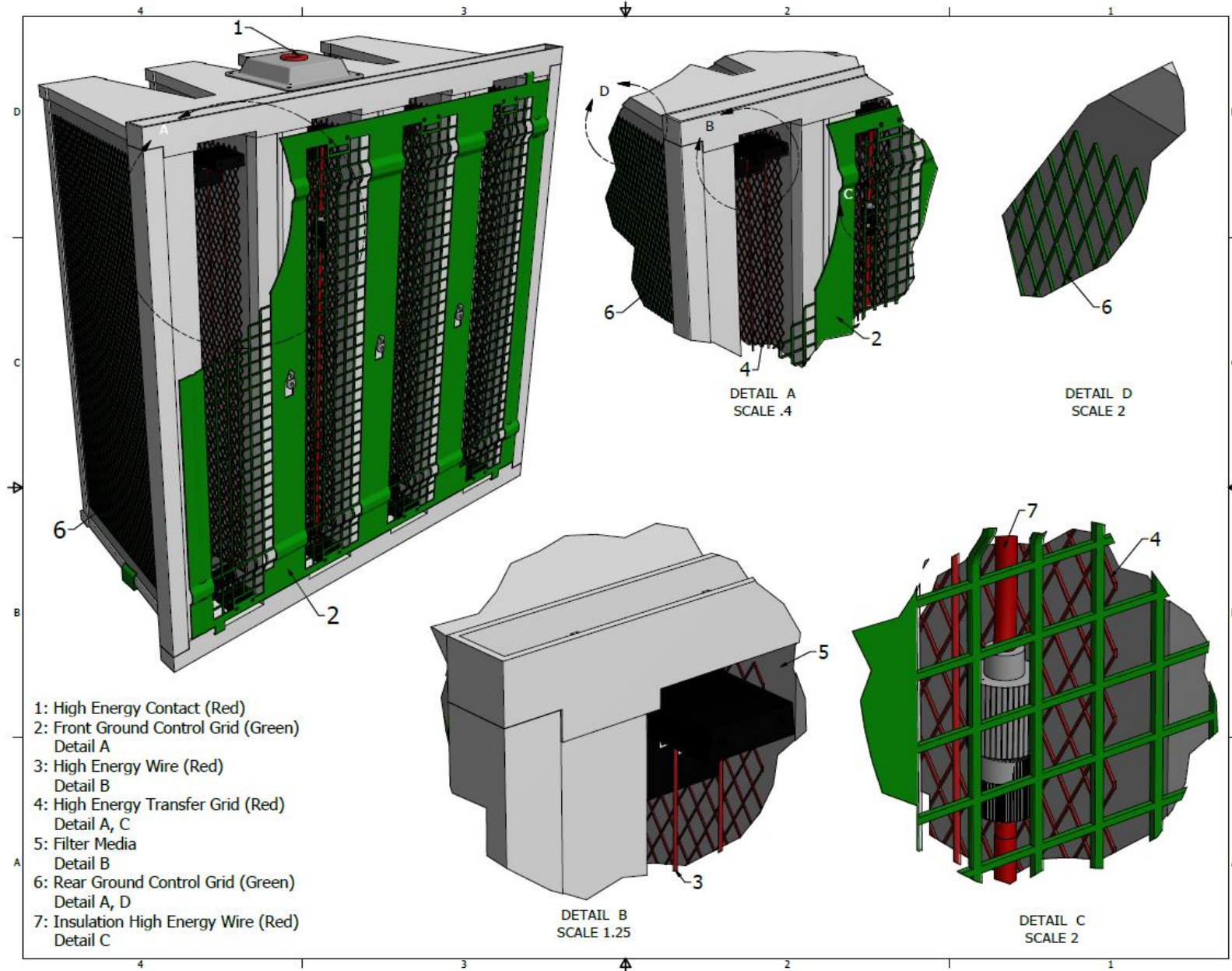


[Play Commercial Video](#)

TECHNOLOGY

Disinfecting Filtration System (DFS)

- Starts with a filter
- Applies a constant 15kV energy field in front of and throughout the filter, which:
 - Promotes particle agglomeration, i.e. the grouping of smaller particles
 - Disinfects by killing 94-100% of what it captures
- Result ... up to 99.99% to 0.007 microns
- Super ultra fine particle capture
- 40 times smaller than HEPA





Intellipure Ultrafine

- Patented self-contained air cleaning solution for spaces up to 1200 square feet. Designed for high capacity air cleaning at home, office, hotel or light medical use



Intellipure Compact

- Same technology as Intellipure Ultrafine for spaces 500 sq. feet or smaller
- For homes, offices, dental and medical operatory rooms, etc.



HealthWay Deluxe

- A professional portable unit for use in living, bedroom, small office, hotel room or light medical spaces up to 1000 square feet.

HYATT

Marriott

Hilton


THE RITZ-CARLTON

Culligan

JD 京东
.COM

RainSoft

ECOWATER
SYSTEM



HealthWay SuperV

- A permanently installed whole house air cleaning system for 1-5 ton air conditioning units. Adaptable to 95% of the existing HVAC systems in the residential markets in North America.





Commercial Units

- Modular units designed to fit any size building
- Integrated with HVAC systems
- For offices, schools, hospitals, casinos, warehouses, restaurants and bars, daycare etc.

J.P.Morgan

Morgan Stanley

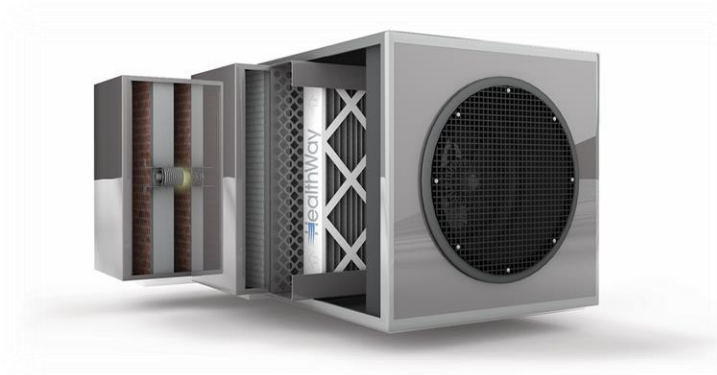


NYC
HEALTH+
HOSPITALS

Ducted Solutions

HealthWay DFS Technology

- 1000, 1200, 2000 & 3000 CFM Modules
- Inline (Low Pressure): 0.27" initial pressure drop @ 500 fpm
- Inline (Medical): 0.64" initial pressure drop @ 500 fpm
- Self-Contained: 0.00" pressure drop
- Option Odor/VOC absorption
- 12-18 month Filter Life
- **Supply/Return Mains**
- **Branch Ductwork**
- **Modular Building Blocks for any duct size**
- **Inline & Fan Assisted**



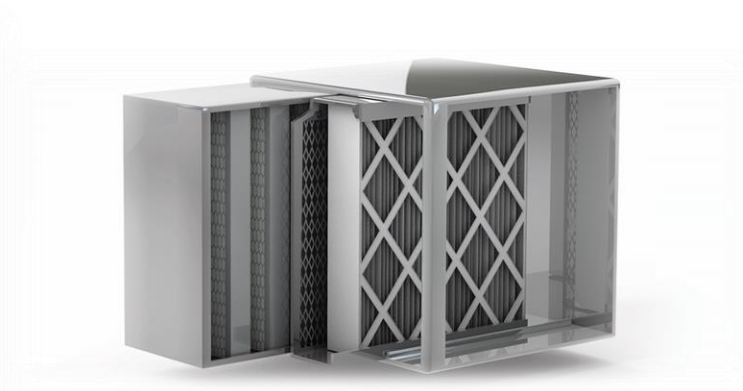
2000SC Self-Contained



1200SC Self-Contained



2000ILP-4M



2000IL In-Line

Application Considerations

Healthway Portable Air Filtration Units

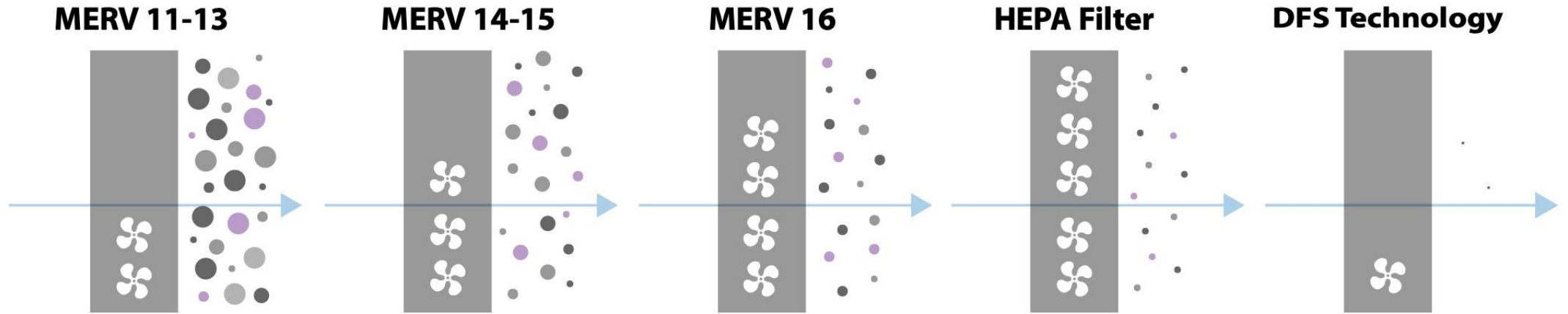
- Space Use
- Floor layout
- Furniture/Obstructions
- Existing HVAC System
- Occupant Disruption/Sound
- Visual Recognition








- Commercial Office
- Inpatient/Outpatient Healthcare
- Nursing Homes/Assisted Living
- Malls/Sports Venues/Public Gathering
- Casino

- Hotels
- High Rise Residential
- Daycare/K-12
- Higher Education
- Food & Beverage

Filtration Efficiency / Particle Size

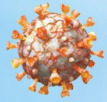


Efficiency	20-50%	50-85%	95%	99.97-99.99%	> 99%
Particle Size	0.3-1.0 microns	0.3-1.0 microns	0.3-1.0 microns	0.3 microns	0.007 microns
Air Pressure Requirement					
Captures	Lead Dust Vehicle Emissions	Lead Dust Vehicle Emissions Smoke Exhalation Droplets	Lead Dust Vehicle Emissions Smoke Exhalation Droplets	Lead Dust Vehicle Emissions Smoke Exhalation Droplets Bacteria Some Viruses	Lead Dust Vehicle Emissions Smoke Exhalation Droplets Bacteria Viruses Ultrafine Particles

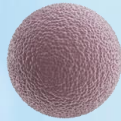
HealthWay
captures down to
(0.007 μm)



Coronavirus
(0.1 μm)



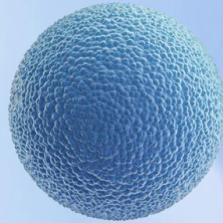
HEPA
captures down to
(0.3 μm)



Bacteria
(0.5 μm)



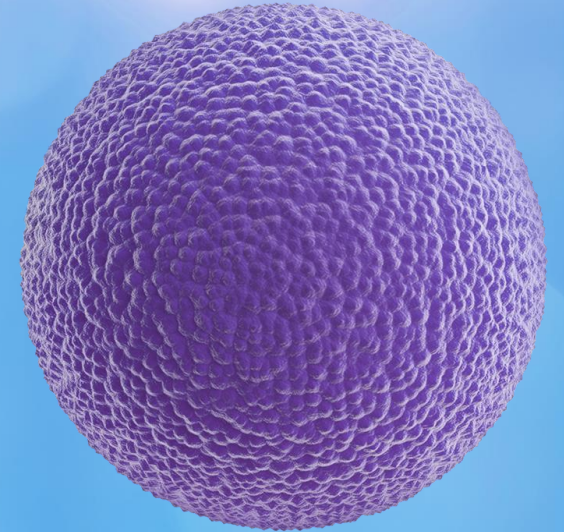
PM2.5
(2.5 μm)



Red Blood Cell
(7 μm)



PM10
(10 μm)



The most powerful air purification technology
proven to trap and eliminate dangerous viruses.

Currently undergoing first ever enveloped and non-enveloped study for COVID-19 surrogate by world renowned scientist **Dr. Syed Sattar**.

Dr. Sattar (Professor Emeritus, University of Ottawa) is internationally recognized as one of the leading subject matter experts in infection prevention & control and an advisor to the U.S. Environmental Protection Agency (EPA), the World Health Organization (WHO).



**World Health
Organization**

The right technology at the right time

Healthways DFS technology is proven to destroy a proxy virus for SARS-CoV-2 (RNA virus MS2) within 10 minutes.



99.987%
Destruction in
10 Minutes

The infographic consists of three dark blue circular callouts with white borders, connected by a dark blue line. The top-left callout shows 99.987% destruction in 10 minutes. The top-right callout shows 100% destruction in 45 minutes. The bottom callout shows 100% destruction in 24 hours. The background is white with several light gray circles of varying sizes scattered around.

100%
Destruction in
45 Minutes

100%
Destruction in
24 Hours

HYATT.

Marriott.

Hilton



Atlantic Health System

Mercy+

Innovative brands
breathe our air.

BAUSCH + LOMB



Cleveland Clinic

nationalgrid

LVMH
MOËT HENNESSY • LOUIS VUITTON

NYC
HEALTH+
HOSPITALS



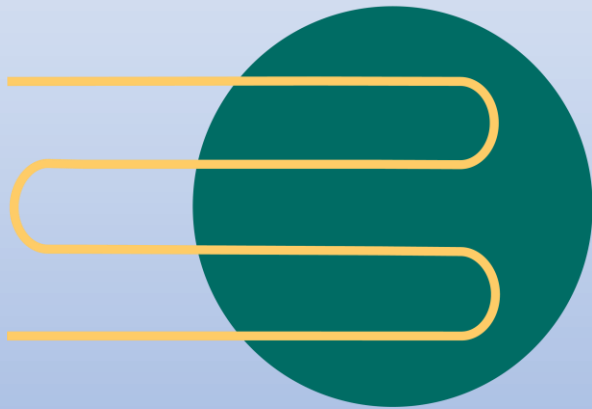
Bellevue
Hospital
Center



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