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

Webinar - July 17
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Vincent Lobdell
President
Healthway
LEADING B TO B BRAND

FASTEST GROWING B TO C BRAND

#1 WELLNESS PROGRAM
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.
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 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

BREATHE LIFE
Clean Air. Healthy Future.
68% Believe that their house has a moderate to strong impact on their health.
600

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:

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

Getting back to work:

- Increase ventilation
- Enhance HVAC filtration
- Use portable air cleaners
Introducing the first vertically integrated line of professional air purification systems.
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.
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.
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
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

<table>
<thead>
<tr>
<th>MERV 11-13</th>
<th>MERV 14-15</th>
<th>MERV 16</th>
<th>HEPA Filter</th>
<th>DFS Technology</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Image of MERV 11-13 filter diagram]</td>
<td>[Image of MERV 14-15 filter diagram]</td>
<td>[Image of MERV 16 filter diagram]</td>
<td>[Image of HEPA filter diagram]</td>
<td>[Image of DFS technology diagram]</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Efficiency</th>
<th>20-50%</th>
<th>50-85%</th>
<th>95%</th>
<th>99.97-99.99%</th>
<th>&gt; 99%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Particle Size</td>
<td>0.3-1.0 microns</td>
<td>0.3-1.0 microns</td>
<td>0.3-1.0 microns</td>
<td>0.3 microns</td>
<td>0.007 microns</td>
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<tr>
<td>Air Pressure Requirement</td>
<td>![Fan Icon]</td>
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<tr>
<td>Captures</td>
<td>Lead Dust</td>
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<td>Smoke</td>
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<tr>
<td></td>
<td>Exhalation Droplets</td>
<td>Exhalation Droplets</td>
<td>Exhalation Droplets</td>
<td>Bacteria</td>
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<td></td>
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<td>Some Viruses</td>
<td>Viruses</td>
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<td>Ultrafine Particles</td>
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</tbody>
</table>
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).
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.
Innovative brands breathe our air.
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