Ultraviolet Water and Air Disinfection Systems

* HVAC Ultraviolet Air-Duct Disinfection
* HDPE Ultraviolet Water Disinfection Reactors
* Immersion Type Ultraviolet Lamp
* Germicidal Ultraviolet Lamp
* Ultraviolet Surface Disinfection
* Ozone UV Air Disinfection
Application

Commercial
Industrial
Healthcare
Education
Food Production
Hospitality
Government
Residentia
Ultraviolet Water and Air Disinfection Systems

Product Solutions:

• Stationary Air Handlers
• Rooftop HVAC/R units
• Fan Coil Units
• Infection Control

UV Benefits:

Saves 10-25% in energy
Destroys surface and airborne microorganisms
Restores airflow levels to original specifications
Improves indoor air quality
Increases HVAC/R equipment life
Reduces maintenance
Chinese Corona Virus, SARS, Measles, Flu’s & other Viruses

UVC systems are very effective against the Corona Viruses and will provide excellent pandemic protection. Steril-Aire very high output UVC works by destroying the DNA and RNA of microorganisms and is therefore effective against all types of viruses including Flu’s, Colds, Corona Virus/SARS, Measles and German Measles.
### Transmission of Corona and Other Viruses in Buildings

<table>
<thead>
<tr>
<th>Stages of Infectious Droplets &amp; Droplet Nuclei:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Large Infectious Droplets:</strong> Mucus/water encased Viruses are aerosolised by the infector or by toilet water. These quickly fall to the ground after traveling up to 1 Metre (1-3ft)</td>
</tr>
<tr>
<td><strong>Small Infectious Droplets:</strong> Mucus/water coating starts to evaporate. These will travel 1 to 2 Metres (3-6 ft) before falling to the ground. These droplets can become <strong>Droplet Nuclei</strong></td>
</tr>
<tr>
<td><strong>Infectious Droplet Nuclei:</strong> Mucus/water coating has totally evaporated leaving only the VIRON. <strong>This is a Droplet Nuclei</strong> Droplet Nuclei are so microscopic they can float in the air indefinitely</td>
</tr>
</tbody>
</table>
Examples of how Occupant Aerosolised Droplet Nuclei travel both within indoor spaces and then throughout a Building.
Ultraviolet Water and Air Disinfection Systems

UVC GERMICIDAL DISINFECTION ARMATURE

GFIS-15
GFIS-30

Adjustable reflection angle, direct irradiation ultraviolet sterilization armature

UV-C type ultraviolet lamp with the highest disinfection power is used.

It is produced from galvanized sheet and covered with epoxy paint.

It destroys the DNA structure of bacteria, viruses, algae, yeasts, molds and spores and prevents their reproduction.

<table>
<thead>
<tr>
<th>Model</th>
<th>Watts</th>
<th>Voltage</th>
<th>Current</th>
<th>Socket Type</th>
<th>W (mm)</th>
<th>L (mm)</th>
<th>H (mm)</th>
<th>Lamp Life</th>
<th>Effective capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>GFIS-15</td>
<td>15</td>
<td>220</td>
<td>0,30</td>
<td>T8</td>
<td>450</td>
<td>170</td>
<td>100</td>
<td>9.000h</td>
<td>15m2</td>
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<tr>
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Ultraviolet Water and Air Disinfection Systems

Tower type ultraviolet disinfection robot

UV-C ultraviolet disinfection fixture
GEFA HVAC UV Series

GEFA HVAC UV Patterning unit mold that forms inside your ventilation system and developed to remove other biological waste.

HVAC UV Disinfection unit assembly comes ready with flange and ventilation. It can be mounted easily.

Energy efficiency and power:
Latest technology ESP electronic power supply works without emitting heat. For better efficiency, lamp operation keeps it under control and it saves energy.

Energy efficiency and power:
In GEFA HVAC systems Lighttech, High performance UV-C lamps are used. Changing in 12”-33” lengths ventilation with various lamps choose the most suitable product of your choice.

Light thanks to high quality quartz glass tubes reflected 99.9% without efficiency decline and top level disinfection is provided.
HDPE ULTRAVIOLET WATER DISINFECTION REACTOR

HDPE Ultraviolet Water Disinfection Reactor
In the models detailed, the reactor is completely suitable from HDPE material manufactured in welding standards, interconnection components only PTFE (Teflon) adapter, 316L Stainless fasteners and Viton consists of sealing components.
UV-C Applications

Ultraviolet Air & Surface, Room Air, Air Duct/Plenums, HVAC
Disinfection and Ultraviolet Water, Liquid, Gray Water & Wastewater
Purification for...

- Flu Prevention Steps
- Room Air Purification for health & wellness; protects against infections, aids in asthma & allergies, and eliminates odors
- Whole House Air Disinfection in HVAC, air duct & forced hot air systems
- Failed Water Tests testing positive for Coliform, Cryptosporidium, Legionella, Giardia, E.Coli or other bacteria, molds, protozoa, & virus
- Boil Water Alerts or Advisories (BWA), drinking water & rural water safety
- Drinking Water & Single Tap Disinfection, point of use installation (POU)
- Whole House, point of entry water (POE)
- Well Water Contamination
- Rainwater Harvesting & Catchment Systems
- Water Cisterns & Spring Water Holding Tanks
- Graywater, Wastewater & Liquid Storage Tanks
- Aquariums & Fish Tanks, small & large
- Hot Tubs, Spas & Swimming Pool
- Water Dispenser & Vending Machines
- Homeless & Runaway Shelters
- Schools, Colleges & Universities
- Swimming Pools & Aquariums
- Bakery Products
- Fruits and Vegetable
- Meat Processing
- Poultry Processing
- Milk & Cheese Processing
- Dairy Production
- Almond Milk Processing
- Fruit Juices, Soft Drinks & Water
- Beer Processing & Production
- Edible Oils, Liquid Sugar & Sweeteners
- Pure & Process Water
- Ice Makers & Making
- Laundry & Grey Water Disinfection
- Agriculture, Horticulture, Agronomy, Farming
- Cannabis Growers (Marijuana)
- Cosmetic Production
- Electronic Production
- Pharmaceutical Production
- Power Generation
- Pulp & Paper Production
- HVAC Heating, Ventilation Air Conditioning
- Industrial Cleaning and Facility Management
- Hotels, Motels, Resorts & Restaurants
- Zoos, Amusement & Water Parks
- Auditoriums & Theaters
- Apartments, Condominiums & Trailer Parks
- Farms, Ranches & Agriculture
- Hatcheries: Fish, Mollusk, Poultry & Eggs
- Husbandry: Crops & Animals
- Offices Buildings, Conference & Lunch Rooms
- Rural Water Systems in Cities, Towns & Villages
- Ponds, Lakes & Water Preserves
- Outdoor Swimming Pools, Hot Tubs & Spas
- Health Clubs, Gyms, Roller Skating & Ice Rinks
- Casinos, Racing Tracks & Golf Courses
- Medical Facilities & Hospitals
- Emergency Rooms & Critical Care Facilities
- TB & Methadone Clinics, Dispensaries
- Intensive Care Units (ICU)
- Patient Rooms & Operating Rooms
- Laboratories & Clean Rooms
- Kidney Dialysis & Pathology Labs
- Labor & Delivery Areas, Maternity, Nurseries
- Doctor’s Office & Waiting Rooms
- Morgues, Funeral Homes & Crematories
- Correctional Facility, Prison & Penal Institution
- Penitentiary, Detention Center & Jail
- Nursing Homes & Senior Centers
UV-C Applications

**Effective**  
It protects against the increase and reproduction of all kinds of formations that occur in ventilation and water systems.

**Economic**  
The device uses very little energy.

**Safe**  
There is no risk of excessive and harmful rays.

**Easy**  
It is easy to install and there is little need for consumables.

**Automatic**  
It works without interruption without the need for special attention and measurement.

**Application**  
Suitable for all types of duct size and air flow

**Wide Range of Products**  
Wide range of applications for air flow of all sizes
UV-C Applications

UV-C Room Air Purification Destroys Virtually All Bacteria, Virus, and Mold to Promote Health and Wellness
UV-C Applications
UV-C Applications
Ultraviolet Water and Air Disinfection Systems

LIGHTTECH ULTRAVIOLET LAMP TYPES

- UVC Amalgam Ultraviolite Lamp Types
- Ön Isıtmalı Lambalar
- Ön Isıtsmasız Lambalar
- Yüksek Çıkan Lambalar

- Germipak Hızlı Kırıcı Lambalar
- U şeklinde Lambalar
- Yumuşak Camdan Lambalar
- UVC Kompakt Lambalar

- UVC Uzak Ultraviolite Lambalar
- Metal Halogenür Kırıtme Lambalar
- Dalırmı Tip Sualtı Lambalar
- Havağalıma Dezinfeksiyon Lambalar

- MPUV Lambalar
- MPUV Lamba Taban ve Schukleri
- Kuarz Cam Tipi ve Levhalar
Ultraviolet Water and Air Disinfection Systems

GET IN TOUCH.

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