

# Halton SafeGuard Solutions for Food Service

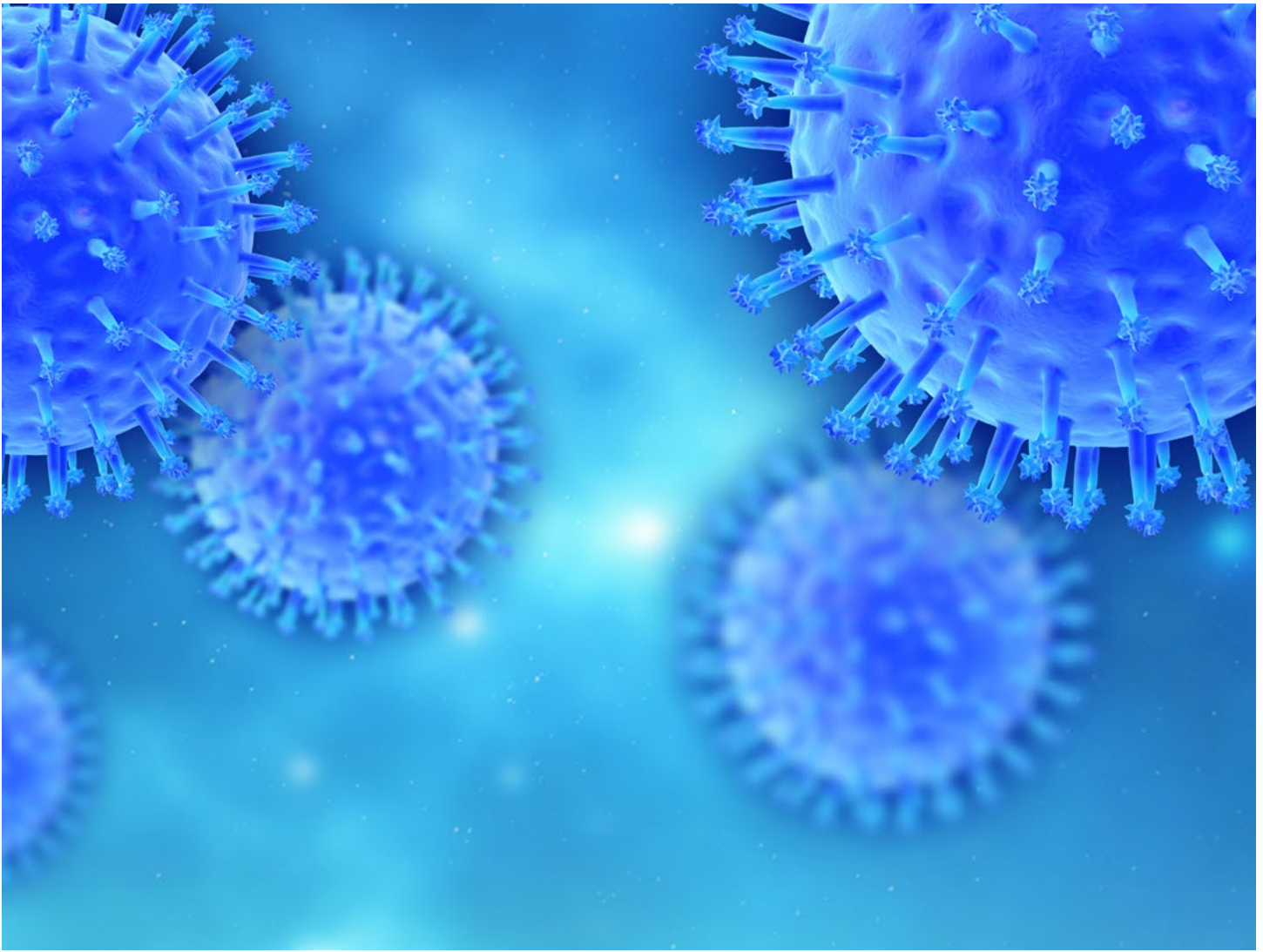
Proven Ultraviolet Germicidal Irradiation (UVGI)  
Systems, Making Guests and Employees Safer by  
Reducing Risk of Virus Spread.



## Risk Mitigation of Viral Transmission

The products presented here are the result of extensive 3<sup>rd</sup> party and Halton Health Segment documented research regarding the effectiveness of filtration and Ultraviolet light in the 254 nm wavelength on the mitigation of viral contagions.

- These products are not to be construed as a standalone solution.
- These products work in conjunction with other remediation efforts such as sanitizing requirements (wiping down surfaces, social distancing etc.).
- The effect of employing all the recommended methods work to reduce the likelihood of spreading the virus.



## What are the ingredients of virus spread?

There are a number of factors that can decrease or increase the spread of a viral contagion in an indoor environment.

### Proximity to the infected

- Aerosol droplets have shown to travel approximately 3-7 feet from the source
- Smaller aerosols (<10  $\mu\text{m}$ ) may stay airborne and infectious for extended periods of time (several minutes, hours or days)
- Social distancing was advised as the first line of defense to minimize the virus spread

### Contaminated Surfaces

- Depending on particle size, they deposit on surfaces where transfer can take place to an uninfected party



# Halton Foodservice Anti-Viral Solutions

Healthcare facilities have had established criteria for ventilation design to mitigate airborne transmission of infectious disease, Halton Health Segment has done extensive research in this area. Halton Foodservice is sharing this knowledge to provide proven technology for deployment in the food service environment with our SafeGuard UVGI Solutions.

1. UVGI Return Air Grill System
2. UVGI Stand-alone Mobile Filtration Unit
3. UVGI Overhead Lighting



Ultraviolet Germicidal Irradiation  
SafeGuard Solution

# UVGI Return Air Grill System

The **UVGI Return Air Grill** is a 24" by 24" ceiling return grill to replace Standard Return Grills.

- Works with existing RTU/MUA systems
- More cost effective than RTU retrofit
- Replaces Return Air Grills
- 230/1 15 amp circuit required
- UVGI (Ultraviolet Germicidal Irradiation)
- Up to 99.99% Inactivation of airborne viruses and bacteria
- Low pressure loss will not impact RTU performance
- Designed to match airflow for return grill it replaces







Ultraviolet Germicidal Irradiation  
SafeGuard Solution

# UVGI Stand-alone Mobile Filter Unit

The **UVGI Stand-alone Mobile Filter Unit** is suited where a permanent installation is impractical and can be moved to any area requiring Germicidal Irradiation.

- Recirculates back into space
- Portable
- 230/1 Cord & Plug
- Runs 24/7
- Filter (MERV13 or better)
- UVGI (Ultraviolet Germicidal Irradiation)
- Up to 99.99% Inactivation of airborne viruses and bacteria





Ultraviolet Germicidal Irradiation  
SafeGuard Solution

# UVGI OVERHEAD LIGHT

The **UVGI Overhead Light** is a 24" by 48" fixture designed to fit in standard ceiling system. Multiple Units throughout the space can be utilized during unoccupied times to disinfect up to 99.99% of all exposed surfaces.

- Multiple Units throughout the space to be energized during unoccupied times to disinfect up to 99.99% of all exposed surfaces.
- UVGI (Ultraviolet Germicidal Irradiation)
- Viral & Bacterial
- Influenza
- Various Salmonella Species
- Halton Control System Main PLC
- Occupancy Sensors
- Timers
- Integrated to Halton Connect



