UVGI-SA-W – Halton Sentinel Wall Filtration Unit



Overview

Features and Benefits

- Recirculates Back Into Space
- Plug and Play, Portable
- 120/1 6’ Cord and Plug Set, 374 Watts (International Voltages and Plugs available) 100-130V, 200-240V, 50/60 Hz
- Clean Air Delivery Rate Up – 300 CFM (141.6 l/s), 500 CFM (235.9 l/s) 700 CFM (330.4 l/s)
    - For example, a typical conference room of 10 students will have a ventilation rate[1,2] of 150 cfm. (10 cfm of outside air per student) Adding 650 cfm of clean disinfected air will reduce the probability of airborne infection by 3.6 times[3]Other infection probability rates can be calculated by application and occupancy
- Annual Replacement of UV Bulbs is Recommended.
- UV Resistant MERV 13 Air Filters
    - White Standard Filters with 9” Radiance Factor
    - Pink Optional Filter for 6” Radiance Factor
- Controls Interface – Touch Screen HMI
- Steel Construction with Baked Powder Coat Finish and floor mount with leveling feet (optional wheelbase is available)
- Color may be Black (color code 80020) or White (color code 9010)
- On/Off capabilities on a mobile device

[1]Based on measured UV dosage and reported deactivation rate for Corona-type virus k = 0.0038

Halton reserves the right to alter products without notice.

cm2/µJ)
[2]Per ANSI/ASHRAE Standard 62.1-2019
[3]Based on the Wells-Riley risk model associated with the airborne transmission of respiratory diseases

Click to watch a short video explaining the Halton Sentinel Unit

Need more information?



View Halton's SafeGuard Risk UVGI Solutions Brochure

View Brochure

Specification

Provide a Halton Sentinel Ultraviolet Germicidal Irradiation filter unit. The unit exterior shall be constructed of stainless steel and provided with 29% open perforated expanded metal.

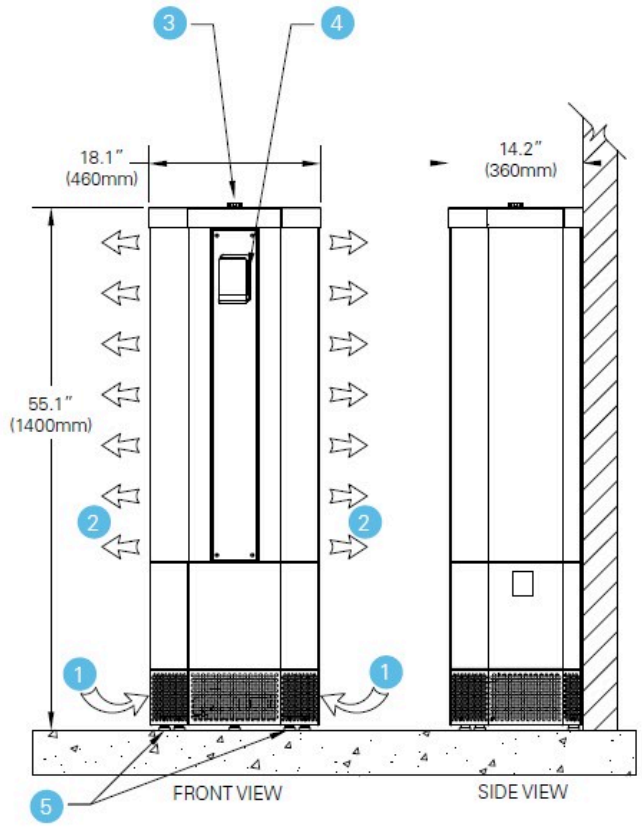
The interior of the unit shall be constructed of aluminized steel for corrosion protection. The unit will come complete with disposable MERV 13 filters.

The unit shall be equipped with 2 UVGI tubes rated at 13,000 hours and 254nm. UV-C bulbs outside of the 254nm range or producing ozone are expressly prohibited.

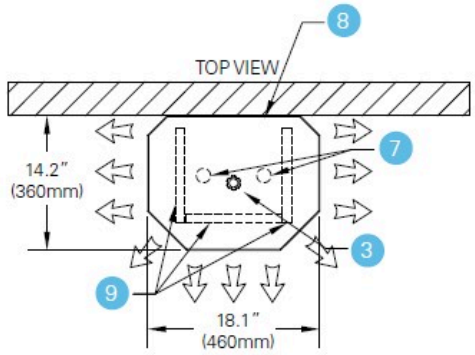
The unit requires a 120/1 outlet, 15 amp circuit. The unit is built to UL standards.

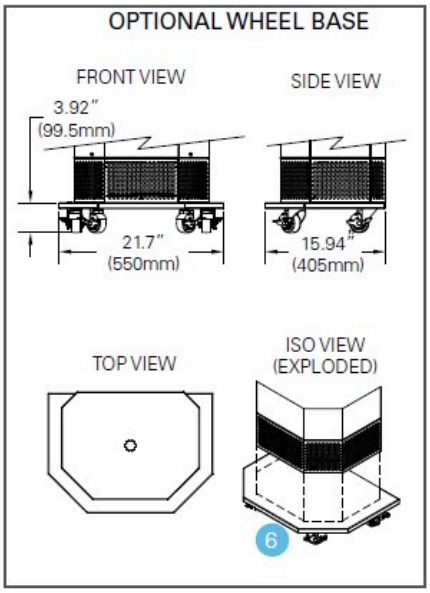
Dimensions

The weight of each UVGI-SA-W unit is **121lbs (55kg)**

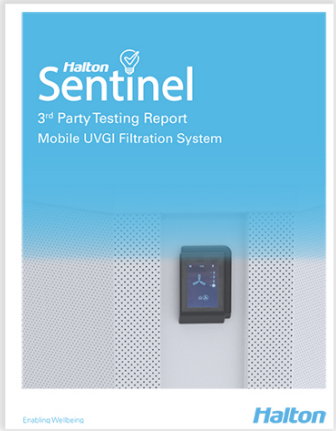


1. Air inlet - Perforated Panels
2. Air Outlet - Perforated Panels
3. Hand Knob - Access to Filters and Bulbs
4. Touch Screen
5. Adjustable Feet
6. Optional Wheel Base
7. UV Bulbs
8. Access for Electrical and Fan at Rear
9. Filters - 6" Radiance Factor





3rd Party Testing Report



Testing was conducted at LMS Technologies to determine the single-pass removal efficiency and microbial properties of the Halton Mobile unit when exposed to surrogate pathogens Serratia marcescens and MS-2 bacteriophage. This data was compared to previous models completed by the Foodservice Research team
in Scottsville.

Testing was conducted at 975 CFM which aligns with the recommended operating point. The device contained two UV lamps and a series of MERV 13 filters to remove pathogens.

Free download (PDF)
Halton Sentinel 3rd Party Testing Report

- First name*
- Last name*
- Company*
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