

# Halton Sentinel

UVGI-SA Mobile Filtration Unit



## Features & 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:
  - 800 CFM (377.6 l/s) 1000 CFM (471.9 l/s), 1200 CFM (566.3 l/s)

For example, typical classroom of 25 students will have ventilation rate<sup>1,2</sup> of 250 cfm. (10 cfm of outside air per student) Adding 1000 cfm of clean disinfected air will reduce probability of airborne infection by 4.4 times<sup>3</sup>

Other infection probability rates can be calculated by application and occupancy

- Estimated Bulb Life is 13,000 Hours
- UV Resistant MERV 13 Air Filters
  - Filter for 6" Radiance Factor
- Controls Interface - Touch Screen HMI
- Steel Construction with Baked Powder Coat Finish and Heavy-Duty Locking Casters with Anchor mounts for fixed installation
- Sound Data: 55dB Normal Operation (65dB on High speed)
- On/Off capabilities on a mobile device
- Color may be Black (color code 80020) or White (color code 9010)

\*Not for use as for heating and/or cooling purposes

## Application

The Halton Sentinel Unit is suited where a permanent installation is impractical and can be moved to any area requiring Germicidal Irradiation.

The volume of the space guides the air changes per hour, while the units are designed to be operated continuously to filter airborne pathogens. Multiple units can be added to spaces and provide additional filtration.

## 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 unit shall be equipped with heavy-duty locking casters for ease of mobility. 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 120/1 outlet, 15 amp circuit. The unit is built to UL standards.

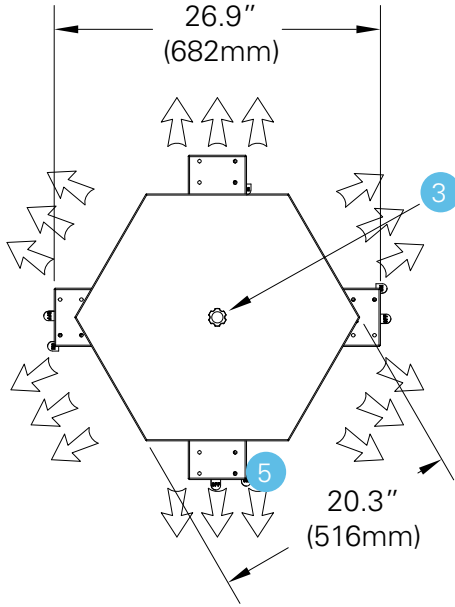
<sup>1</sup>Based on measured UV dosage and reported deactivation rate for Corona-type virus  $k = 0.0038 \text{ cm}^2/\mu\text{J}$

<sup>2</sup>Per ANSI/ASHRAE Standard 62.1-2019

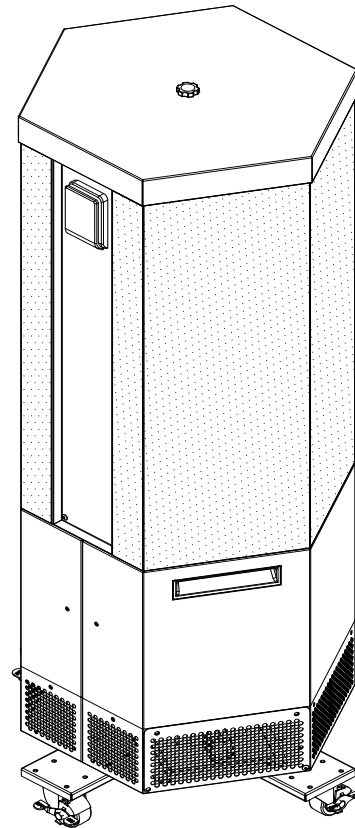
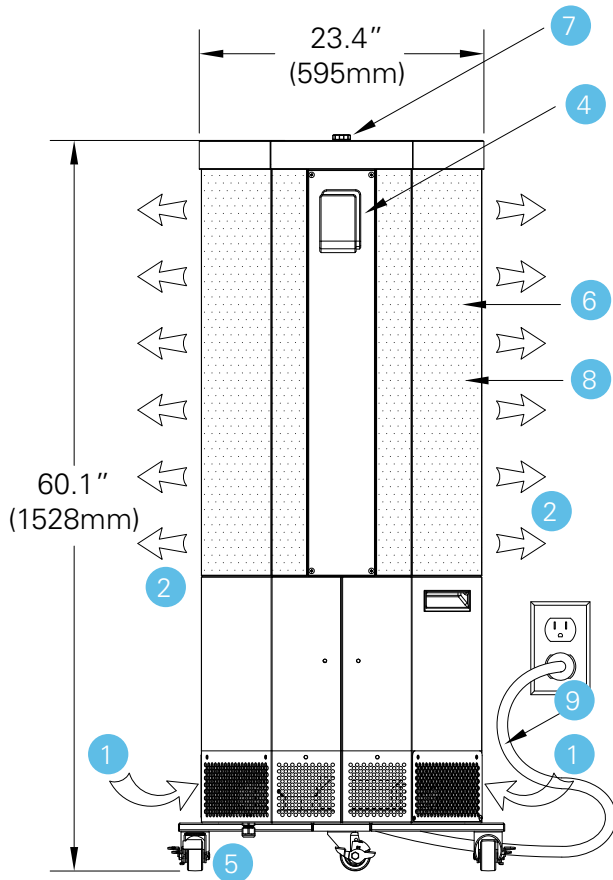
<sup>3</sup>Based on Wells-Riley risk model associated with airborne transmission of respiratory diseases

# Dimensional Data

**Weight:** 140 lbs (64 kg)



- 1 Air inlet - Perforated Panels
- 2 Air Outlet - Perforated Panels
- 3 Hand Knob - Access to Filters and Bulbs
- 4 Touch Screen
- 5 Heavy-Duty Locking Casters
- 6 UV Bulbs Inside
- 7 Top Access for Electrical and Fan at Rear
- 8 Filters Inside with 6" Radiance Factor
- 9 Plug and Cord



The company has a policy of continuous product development, therefore we reserve the right to modify design and specifications without notice.

For more information, please contact your nearest Halton agency. To find it: [www.halton.com](http://www.halton.com)