

Ultraviolet Light
Air Disinfection

TORCH AIRE



 **ClorDiSys**

Torch Aire- Mega™

The Torch Aire-Mega™ is a portable UV-C disinfection device for room air to help eliminate any airborne virus, bacteria, and spores. When in operation, air is drawn into the fixture through the four louvered filter panels, the air then passes into the exposure chamber where it flows over twelve UV-C bulbs and is disinfected. The air then leaves through the louvered exhaust panel that is located on the top. This design prevents UV-C exposure by restricting light from passing into the occupied area making it safe for people to be in the room at all times. This is a tremendously high capacity unit with the ability to treat up to 120,000 cubic feet per hour.

Germicidal Ultraviolet Lamps

Lamps are instant starting and provide the utmost in quality, sustained output, and longevity.

Ballasts

State-of-the-art electronic ballasts specifically developed for the operation of ultraviolet lamps. Versatile ballasts provide high lamp output; are lightweight, efficient, and operate cool for longer life.

Lampholders

Set includes a stationary and a spring-loaded, telescopic holder that holds a single pin lamp securely. The spring-loaded feature on one end facilitates convenient, quick and easy lamp changes.

Interlock Safety Switch

The interlock safety switch is a standard feature that disconnects power to the model when the access panel is unhinged for lamp or filter replacement (located under the cover).

Polished Reflector

Interior surface is polished providing a highly reflective surface to maximize ultraviolet intensity within the chamber.



Lamp Operation Indicators

(LEDs) Provide positive indication of each germicidal lamp's operation.

Stainless Steel Enclosure

Manufactured in Type 304 stainless steel for unparalleled strength, durability, and an attractive finish.

Promate™ Disposable Filters

Cost effective, disposable filters for frequent filter changes.

Differential Air Pressure Gauge

Used to measure filter resistance by measuring the pressure differential between outside (the fixture) air and the pressure in the blower compartment helping to indicate when filter replacement is required.

3-Position Power Switch

Power to the fixture is controlled by a three position key switch. In the "BLOWER ONLY" position, power is supplied to just the blower and no power is supplied to the germicidal lamps. In the "LAMPS & BLOWER" position, power is supplied to both the blower and the germicidal lamps.

Louvered Exhaust Panel

Protects the room's occupants from ultraviolet exposure by restricting ultraviolet radiation from passing into the room.

SPECIFICATIONS

Model	Nominal Model Capacity (cubic feet / minute) ①	Dimensions			Electrical Requirements* (amps) ②	Max. Room Size Treated at 3 Room Air Changes/Hour (cubic feet)	Max. Room Size Treated at 6 Room Air Changes/Hour (cubic feet)	Max. Treatment Capacity (cubic feet / hour)
		Length	Width	Height				
RSM2680	2000	32"	30"	78-3/4"	11.00	40,000	20,000	120,000

① Model capacity incorporates an estimated allowance for airflow friction loss across filter and model.

② Information listed refers to 120 Volt 60 Hz models. Contact factory for specifics on other voltages.

* Consult factory with specific power requirements.

Torch Aire-Recessed™

The Torch Aire-Recessed™ is an ultraviolet light room air disinfection unit designed to help eliminate airborne microbes, particularly in crowded or poorly ventilated areas and situations where the risk of cross contamination is high. It is easily mounted in a ceiling and fits especially well within a drop ceiling format. The Torch Aire-Recessed pulls air inward and passes over the enclosed UV-C bulbs, continuously disinfecting the air. This design prevents UV-C exposure to those in the room by restricting light from passing into the occupied area, making it safe for people to be present.

Germicidal Ultraviolet Lamps

Lamps are instant starting and provide the utmost in quality, sustained output, and longevity.

Lampholders

Set includes a stationary holder that holds a four pin lamp securely.

Ballasts

State-of-the-art electronic ballasts specifically developed for the operation of ultraviolet lamps. Versatile ballasts provide high lamp output; are lightweight, efficient, and operate cool for longer life.

Lamp Operation Indicators

(LEDs) Provide positive indication of each germicidal lamp operation.

Stainless Steel Enclosure

Manufactured in Type 304 stainless steel for unparalleled strength, durability, and an attractive finish.

Louvered Exhaust Panel

Protects the room's occupants from ultraviolet exposure by restricting ultraviolet radiation from passing into the room.

Polished Reflector

Interior surface is polished providing a highly reflective surface to maximize ultraviolet intensity within the chamber.

Interlock Safety Switch

The interlock safety switch is a standard feature that disconnects power to the model when the access panel is unhinged for lamp or filter replacement (located under the cover).



Promate™

Particulate Filter

Washable Electrostatic Filter

SPECIFICATIONS

Model	Nominal Model Capacity (cubic feet / minute) ①	Dimensions			Electrical Requirements* (amps) ②	Max. Room Size Treated at 3 Room Air Changes/Hour (cubic feet)	Max. Room Size Treated at 6 Room Air Changes/Hour (cubic feet)	Max. Treatment Capacity (cubic feet / hour)
		Length	Width	Height				
RSCS280A	210	46-5/8"	22-1/8"	9-7/16"	4.2	4,200	2,100	12,600

① Model capacity incorporates an estimated allowance for airflow friction loss across filter and model.

② Information listed refers to 120 Volt 60 Hz models. Contact factory for specifics on other voltages.

* Consult factory with specific power requirements.

Other UV Disinfection Solutions available from ClorDiSys



LANTERN: A lightweight and portable room disinfection device that can sit or hang inverted during disinfection cycles. It is able to eliminate 99% of bacteria and viruses within one minute in an 8' x 8' space. Larger areas can be treated by repositioning the Lantern for multiple treatments.

FLASHBAR: Permanently mounted UV-C light fixtures that are able to eliminate pathogens in minutes with just the flip of a switch.



TORCH: An easily transportable, powerful disinfection system that is able to eliminate 99% of bacteria and viruses within one minute in a 20' x 20' space, everywhere the light shines. Reposition if necessary and perform additional exposures to treat larger spaces.

High-level disinfection without the high-level price tag

CD ClorDiSys

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