

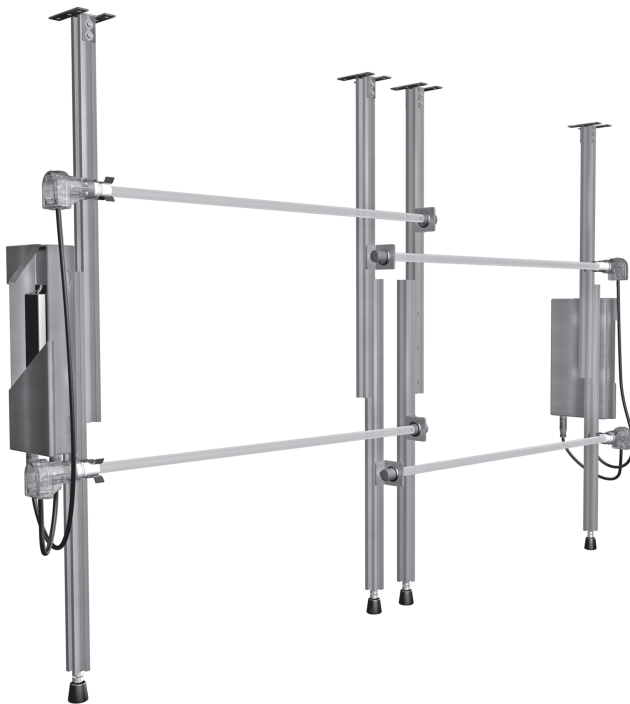
# STERIL-AIRE®

UVC for HVAC™

## Rapid Install Kit™

### Rapid Install Kit (RIK)

For fast, easy installation of Steril-Aire Single-Ended Emitters™ 24” – 61”



The Rapid Install Kit (RIK) is factory assembled and tested. It consists of the following:

- Aluminum four-sided easy install, adjustable columns
- Galvanized steel housing and foot bracket assembly
- Pre-wired, factory installed 110-277 V power supplies with IP67 compliant moisture resistant female lead sockets
- Vibration-resistant fasteners and cap screws
- 2 galvanized ceiling “H” brackets

*\* Emitters Sold Separately \**

### Applications

The Rapid Install Kit is pre-engineered and designed for quick, easy installation of Steril-Aire Single-Ended UVC Emitters in air handling units (AHUs) with coil heights up to 180”. It is ideal for AHUs with staggered coil banks, with space constraints and facilities where HVAC downtime is a critical concern.

The Rapid Install Kit is available in 9 models, providing selection flexibility to accommodate 1 to 8 rows of Emitters with up to 2 pre-wired, factory-mounted power supplies per electrical housing. All components required for installation are included. Designed for Steril-Aire Enhanced SE Emitter lamp lengths 24”, 30”, 36”, 42”, 50” and 61”, RIK offers unparalleled versatility to configure the system with multiple lamp lengths for optimum coil coverage.

### Benefits

- **Fast, Easy Installation**  
Specifically designed for easy and cost-effective installation with one electrical connection; no additional framing required. Pre-wired from the factory, significantly reducing installation time and HVAC downtime.
- **Flexible and Adaptable**  
Choice of Emitter lengths from 24”– 61””; Ideal for coil heights up to 180”.
- **Economical Shipping**  
Designed to fit in one box, ensuring efficient shipping.
- **Unmatched UVC Output**  
High output UVC specifically designed for cold air applications that will keep coils clean and save energy.
- **Continuous Coil Cleaning**  
Saves HVAC energy and provides cleaner air to the occupied space.



# Rapid Install Kit Specifications

**The Rapid Install Kit** shall be factory assembled and tested. It shall consist of the following components: factory pre-wired power supplies with m12 connector cables and IP67 compliant female Emitter sockets, spring clips for each Emitter, foot bracket assembly, ceiling "H" bracket, adjustable aluminum columns, and all fasteners. All RIK's include SJO cable between housings.

**The adjustable column** shall be constructed of aluminum channel. It shall be designed for mounting inside the plenum.

**The column brackets** (2) shall be constructed of galvanized steel. The "H" bracket shall be used with self-drilling, self-tapping screws to attach the column to the plenum ceiling. The foot bracket assembly shall be placed at the base of the column for height adjustment and non-slip footing in the drain pan.

**The housing** shall be constructed of galvanized steel to withstand HVAC environments and shall be factory installed with 2 pre-wired 110-277 V power supplies. The Emitter shall be held in place and supported in the airstream by Steril-Aire Mounting options.

**The power supply** shall be a UL-935, Class P and Type 1 outdoor. The power supply design shall include RF and EMI suppression per

FCC part 18. The power supply shall be designed to maximize photon production, irradiance supplies and reliability in cold airstreams of 0-140 °F, 100% RH. The power supply shall be available in a universal 110-277 V, 50/60 Hz, single phase. The power supply shall also have end of life protection.

**The Emitter** shall be a very high output, hot cathode, T5 diameter, that produces germicidal UVC of 253.7 nm. The single-ended Emitter shall operate in air velocities of up to 2000 fpm and air temperatures of 35-140 °F. It shall produce no ozone or other secondary contaminants.

**The socket** shall be a 4-pin stepped type design constructed of UV Stabilized, Flame Retardant Polycarbonate with Silicone Rubber seals to achieve IP-67 protection at -40° to 125 °C.

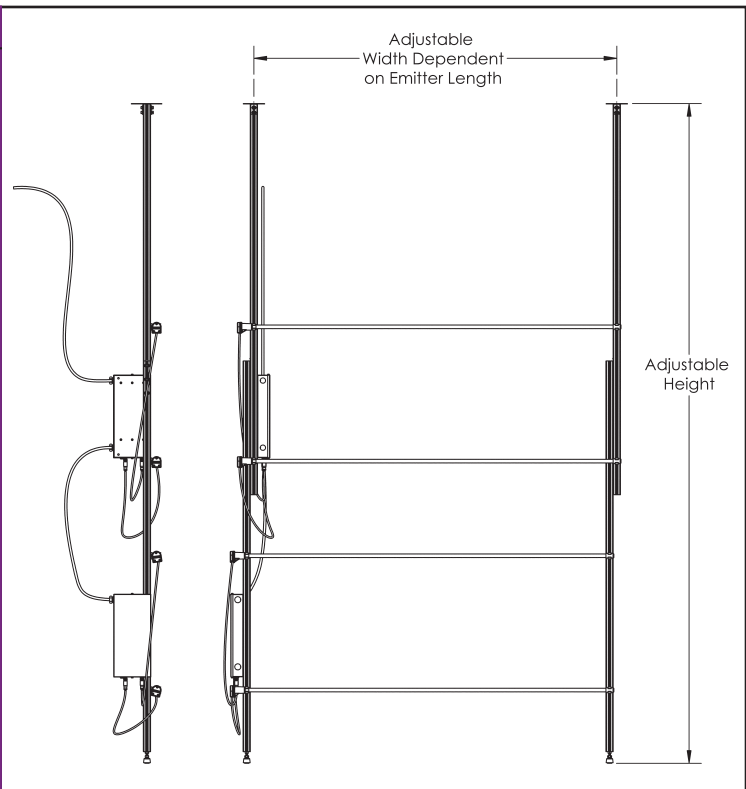
**Independent testing:** The unit shall be tested by an independent test laboratory and shall be verified to provide output per one inch arc length of not less than 7.8  $\mu\text{W}/\text{cm}^2$  at 1 meter in a 400 fpm airstream of 50 °F.

The manufacturer shall be an ISO 9001:2008 certified facility.

*This product may be covered by one or more of the following patents, others pending: 5,817,276 / 6,245,293 / 6,267,924 / 6,280,686 / 6,313,470 / 6,423,882 / 6,500,267 / 6,589,476 / 6,627,000 / 6,997,578 / 7,140,749 / 7,282,728 / 7,459,694.*

# Ordering Information

Part No.	Description
11801010	RIK, 1 ROW, 24" TO 42", ENHANCED
11802010	RIK, 2 ROW, 24" TO 42", ENHANCED
11802020	RIK, 2 ROW, 36" TO 67", ENHANCED
11803030	RIK, 3 ROW, 65" TO 112", ENHANCED
11804030	RIK, 4 ROW, 65" TO 112", ENHANCED
11805060	RIK, 5 ROW, 102" TO 180", ENHANCED
11806060	RIK, 6 ROW, 102" TO 180", ENHANCED
11807060	RIK, 7 ROW, 102" TO 180", ENHANCED
11808060	RIK, 8 ROW, 102" TO 180", ENHANCED
Accessories & Replacement Power Supply	
15000139	HEX Wrench Set 3/16" & 1/4"
10000180	Power Supply for Enhanced UVC Kit & RIK
Enhanced Emitters for the RIK	
21000310	EGTS 24 VO - Enhanced 24" Single Ended Emitter
21000410	EGTS 30 VO - Enhanced 30" Single Ended Emitter
21000510	EGTS 36 VO - Enhanced 36" Single Ended Emitter
21000610	EGTS 42 VO - Enhanced 42" Single Ended Emitter
21000910	EGTS 50 VO - Enhanced 50" Single Ended Emitter
21000810	EGTS 61 VO - Enhanced 61" Single Ended Emitter



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Complies with current U.S. and Canadian safety standards for use in HVAC equipment



**STERIL-AIRE**  
Registered to ISO 9001:2008  
Certificate Registration No. 10002118 QM08

Represented By: