



UVC for HVAC™

# POWER SUPPLY CABINET (PSC)

Preassembled Power Supply Boxes for 1- 2 & 3 - 8 Power Supplies

## Enhanced Build Your Own Series

Steril-Aire extends installation possibilities by making Enhanced mounting solutions more flexible than ever. For use indoor or outdoor, Steril-Aire's Power Supply Cabinet (PSC) gives you the ability to bring Steril-Aire's UVC Solutions to an even wider range of air handler needs.



The NEMA 4 Power Supply Cabinets come preassembled from the factory in 1 - 2, 3 - 8 power supply configurations. Each box has a power supply(s) mounted and wired to the corresponding M12 female receptacle.

To build your own Enhanced Steril-Aire solution, you will need to purchase:

- EGTS Emitters
- M12 extension cables (5', 10', 20', or 30')
- framing hardware for mounting
- Optional Accessories:
  - interlocking door switch
  - Steril-Aire Watchdog
  - Steril-Aire UVC Controller



The power supplies installed in the enclosure support all 12"- 61" EGTS emitters at voltage ratings of 120V - 277V. The power supplies have a limited lifetime warranty.

## Applications

This enclosure is perfect for mid to large sized air handlers where accessibility to the power supply(s) is needed. These pre-assembled boxes can be mounted inside or outside the unit and require only 1 electrical feed per box.

Steril-Aire's patented EGTS Emitters, IP67 Compliant cabling and framing options offer an unrivaled UVC Solution.

With the built in M12 receptacle(s), Emitter connection cables are just pushed and screwed into place. When hand tightened, they become IP67 compliant water-resistant connections.

## Steril-Aire UVC Benefits

- Easy Access to as many as 8 Power Supplies in a single cabinet with a smaller footprint.
- NEMA 4X enclosures allow both indoor and outdoor mounting options.
- A 3' Emitter connection cable is included for every power supply purchased.
- Optional M12 extension cables allow the flexibility to mount the box externally without distance constraints of preassembled turnkey solutions.
- Optional extension cables are available in 5', 10', 20', & 30' for flexibility of PSC placement.
- From 1-8 power supplies, each box requires only 1 electrical connection.
- Once installed, no tools are needed to wire up emitters.
- Uses IP67 compliant Emitter connector for water resistant installations in condensing environments.
- Uses patented state-of-the-art solid-state electronic power supply for enhanced reliability and performance.
- Steril-Aire UVC Solutions produce no ozone or other secondary contaminants.
- Installs quickly and easily.

# Specifications

The Power Supply Cabinets (PSC) shall be factory assembled and tested. The PSC Cabinets shall be rated NEMA 4.

The Aluminum enclosure for the PSC 1 & PSC 2 shall consist of 1 or 2 preassembled power supplies with corresponding Emitter Connection Cables and M12 receptacle(s) to ensure an IP67 compliant protection.

The Painted Metal enclosure for the PSC 3 – PSC 8 shall consist of 3 - 8 preassembled power supplies with corresponding Emitter Connection Cables and M12 receptacle(s) to ensure an IP67 compliant protection.

The power supply shall be a class P with a power factor of >0.98. It shall be suitable for single-phase input power ranging from 120-277 V (+/-10%) and 50/60 Hz. The design shall include RF and EMI suppression.

**Independent Testing:** The unit shall be tested by an independent test laboratory.

Unit shall comply with ANSI/UL Standards 153, 1598, 1995 and CSA and CE standards. The manufacturer shall be an ISO 9001:2015 & 14001:2015 certified facility.



Model No	Part No.	Description	Length	Electrical
EGTS 12 VO	21000710	Enhanced UVC Emitter	12"	45 W
EGTS 16 VO	21000110	Enhanced UVC Emitter	16"	55 W
EGTS 20 VO	21000210	Enhanced UVC Emitter	20"	64 W
EGTS 24 VO	21000310	Enhanced UVC Emitter	24"	72 W
EGTS 30 VO	21000410	Enhanced UVC Emitter	30"	86 W
EGTS 36 VO	21000510	Enhanced UVC Emitter	36"	100 W
EGTS 42 VO	21000610	Enhanced UVC Emitter	42"	110 W
EGTS 50 VO	21000910	Enhanced UVC Emitter	50"	155 W
EGTS 61 VO	21000810	Enhanced UVC Emitter	61"	130 W

OPTIONAL CABLING	Part No.
M12 Extension Cable for Enhanced - 5ft	50000135-05
M12 Extension Cable for Enhanced - 10ft	50000135-10
M12 Extension Cable for Enhanced - 20ft	50000135-20
M12 Extension Cable for Enhanced - 30ft	50000135-30



**Steril-Aire, LLC.**

Corporate Office:  
2810 N. Lima Street  
Telephone: 818-565-1128  
Fax: 818-565-1129  
Website: www.steril-aire.com  
Email: Sales@steril-aire.com  
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