
SUPERA

**ANESTHESIA
INNOVATIONS**

Active Evacuation System (AES)

Model EVC3000

FOR VETERINARY USE ONLY

IMPORTANT INFORMATION

READ AND SAVE THESE INSTRUCTIONS

WARNING – TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

a) Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.

CAUTION

For General Ventilating Use Only. Do Not Use To Exhaust Hazardous Or Explosive Materials And Vapors

WARNING – TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

a) Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-rated construction.

b) Ducted fans must always be vented to the outdoors.



THERE ARE NO USER SERVICEABLE PARTS INSIDE

Contact lei medical directly for all maintenance and repairs.
Technical service phone 877-620-1500

Symbol Chart

This document uses the following symbols to indicate potential hazards or alert the user to useful information about the unit.



Important Notice – Explanation needed: refer to this manual



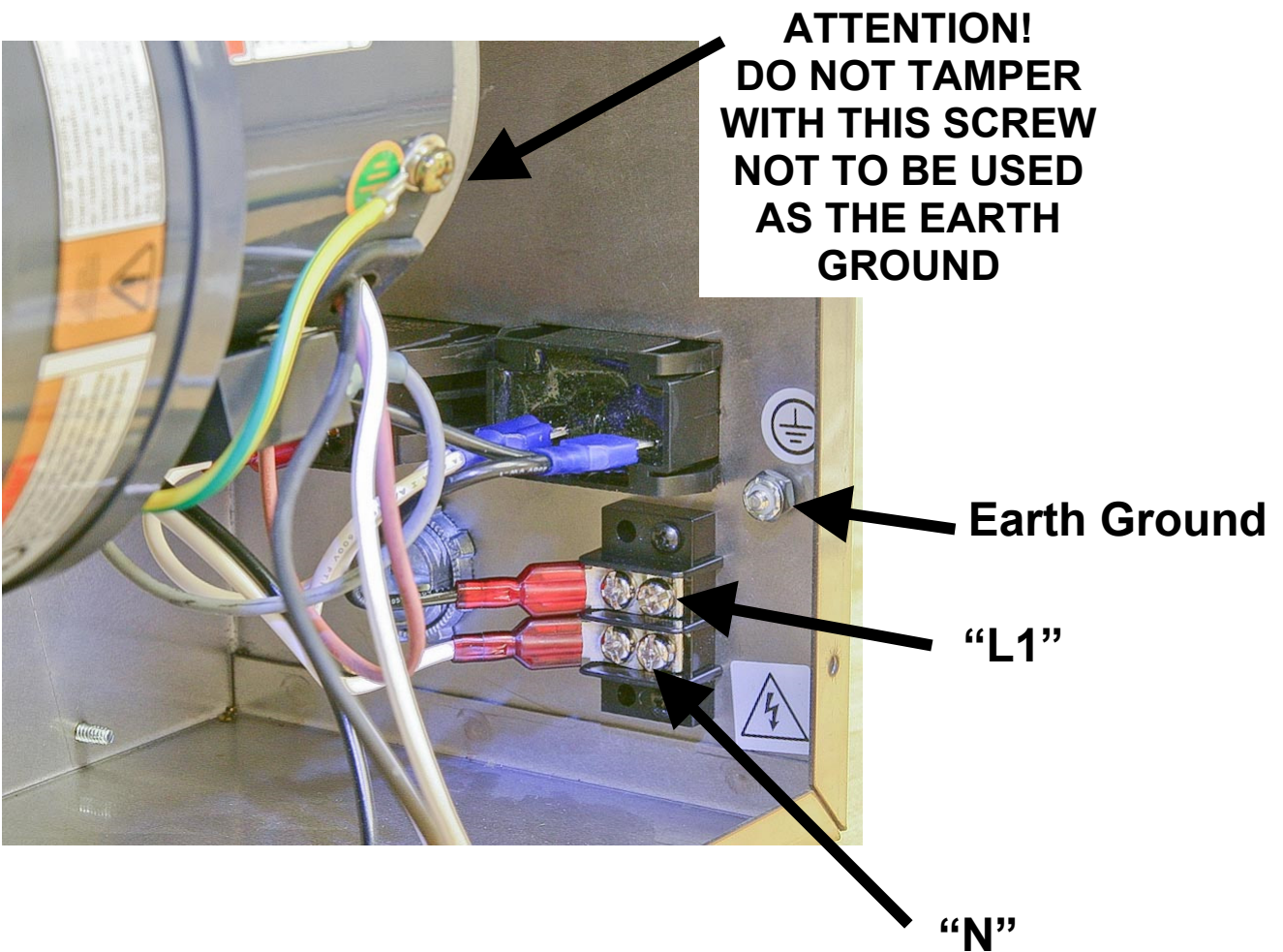
High Voltage: Risk of Electrical Shock



Protective Earth Ground

INSTALLATION INSTRUCTIONS

1. Remove the panel to reveal the terminal block.
2. Attach the ground.
3. Attach the “L1” and “N” wires to the terminal block.



SUGGESTED MOUNTING INFORMATION

The area around the AES must be free of loose dirt and debris

The area should be well ventilated with a maximum temperature of 120 deg. F

For maximum performance, the AES should be centrally located to your evacuation locations if possible

Need help with your design?

Supera LLC offers free design consultation for evacuation systems.

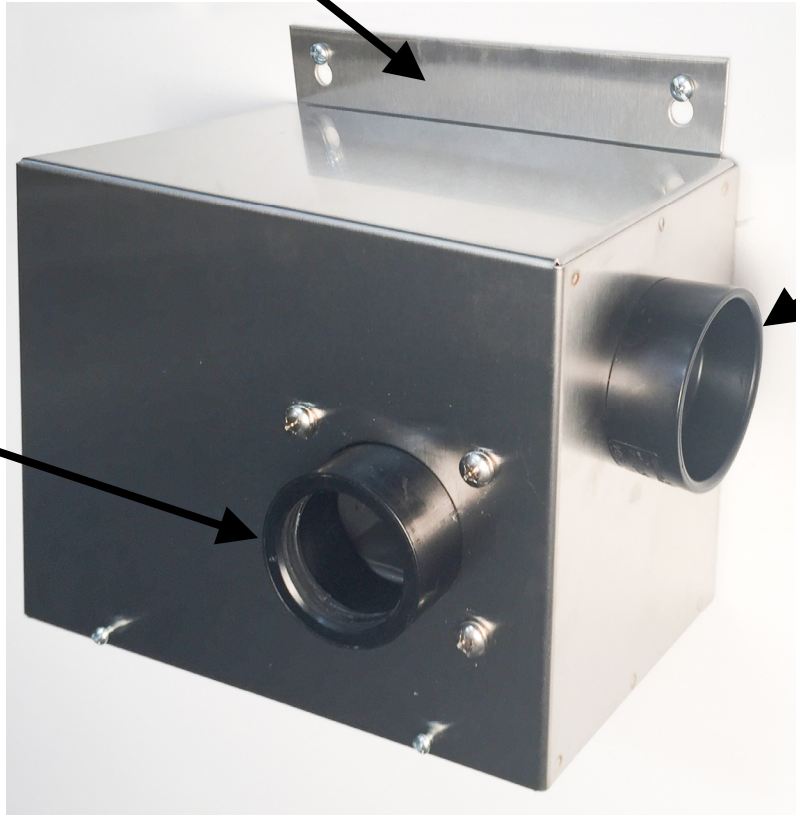
Call toll free 877-620-1500 or e-mail CS@superavet.com

INSTALLATION

Wall mounting bracket
Supplied, but NOT attached

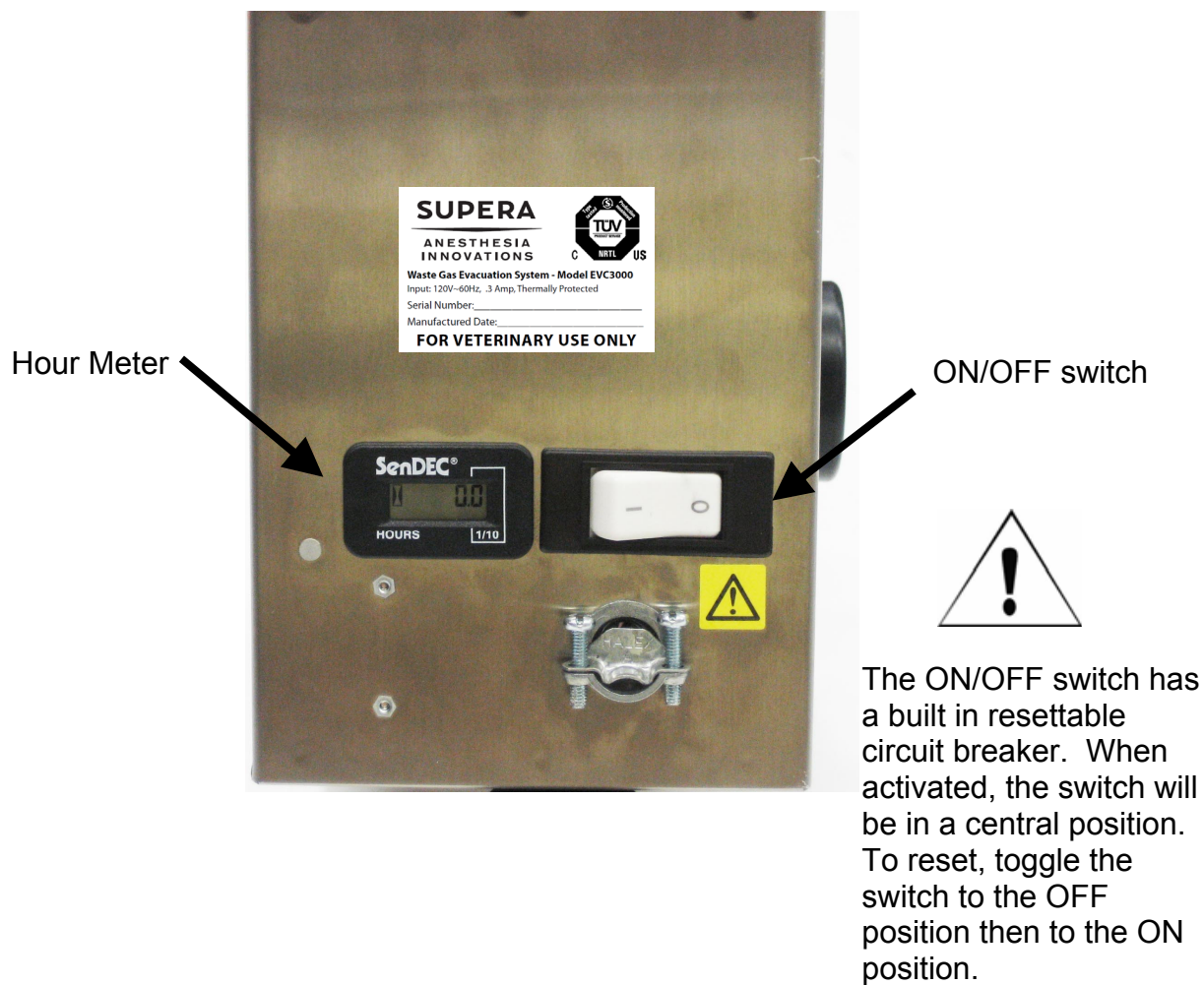
EXHAUST
2" male sch40
ABS or PVC

INTAKE
2" female sch40
ABS or PVC



Shelf mounting bracket
Supplied, but NOT attached

OPERATION



RECOMMENDED GUIDELINES

POWER SWITCH

We recommend controlling the EVC3000 through a lighted power switch to indicate the device is powered ON.

INTAKE

For the intake of the AES, we recommend installing 2" Schedule 40 PVC pipe as the main line to the general area of the evacuation outlets. Use 1/2" Schedule 40 PVC pipe from the main 2" pipe to the evacuation outlets in the ceiling or walls.

EXHAUST

The exhaust pipe should be 2" pipe plumbed to outside the building.

OUTLETS



We recommend using the EVC680 waste gas outlets with the AES. These have engineered flow rate compensators to balance the entire system. No ceiling or wall valves are needed to control the flow rate, however, all active (suction style) evacuation systems require waste gas interface balance valves on the anesthesia machines.

WASTE GAS INTERFACE

The EVC630 WGI is engineered for this system and requires no additional calibration or maintenance.

It is mounted on the anesthesia machine and attaches to the pop off valve or non-rebreathing system via the blue 19mm tubing.



GENERAL INFORMATION

Active Evacuation System

AES – anesthetic evacuation system utilizes a sealed evacuation unit to remove waste gas to the outside air. The AES wall or ceiling outlets are plumbed using PVC pipe, and are connected to the anesthesia machine through the waste gas interface (WGI) device to balance the negative pressure. Because of the lower volume of the AES system, no flow regulator is required at the WGI.

1-10 Anesthesia Machines

Uses EVC680 wall/ceiling outlets

Plumbed using PVC pipe, not copper

Uses waste gas interface EVC630 to balance evacuation pressure on each anesthesia machine.

MAINTENANCE

This AES unit is maintenance free.

TROUBLE SHOOTING

1. The fan stops flowing air.

Check the on/off switch. If the switch is half way on/off, the circuit breaker has been triggered. Reset the switch into the “ON” position.

2. The fan is on but not flowing air at the outlets.

Check the exhaust pipe for obstructions (animals, debris, etc.)

Check the intake pipes for loose joints

FOR ALL OTHER ISSUES CALL SUPERA LLC AT 1-877-620-1500

SPECIFICATIONS

Tech Specs

Item: PSC Blower

RPM: 3388

Bearing Type: Ball

Type: Forward Curve, Direct Drive

CFM @ 0.000-In. SP: 53

CFM @ 0.200-In. SP: 50

CFM @ 0.400-In. SP: 41

CFM @ 0.500-In. SP: 23

Electrical

Voltage: 115

Hz: 50/60

Phase: Single

Full Load Amps: 0.30

Agency Compliance: TUV Listed for US and Canada requirements to UL507

Sound

less than 50 decibels

Construction

303 stainless steel housing

ABS fittings

Dimensions

10" X 7" X 8"

Weight:

8 lbs.

WARRANTY (PARTS ONLY)

5,000 hours or 5 years, whichever comes first.

Supera LLC warrants this product shall be free from defects in workmanship and materials, under normal use from the date of purchase. This is a parts warranty. Labor is not included.

Supera LLC warrants only that each such part and item shall be free from defects in workmanship and materials at the time of delivery. This warranty shall be void for any product that has been altered, defaced or removed from the original Supera LLC product.

Supera LLC shall not be liable for any damage, injury or loss arising out of the use of the product, whether as a result of a defect in the product or otherwise, if, prior to such damage, injury or loss, the product was (1) damaged, misused, or misapplied; (2) repaired, altered or modified by persons other than Supera LLC; (3) not installed in strict compliance with the applicable codes and ordinances; (4) not installed by Supera LLC or an authorized Supera LLC dealer.

UNDER NO CIRCUMSTANCES SHALL SUPERA LLC BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES AS THOSE TERMS ARE DEFINED IN THE UNIFORM COMMERCIAL CODE.

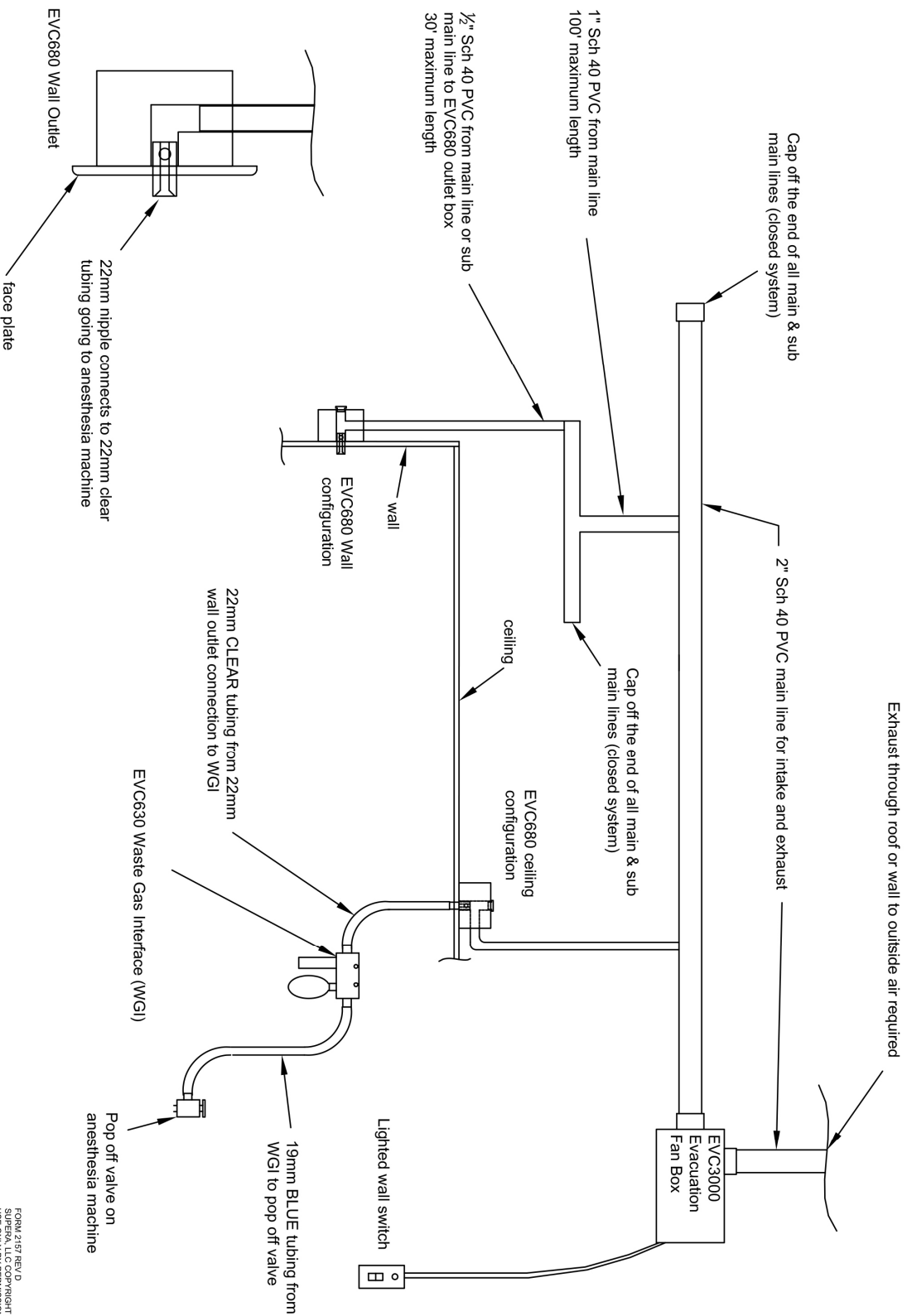
All items returned for service or repair, are the responsibility of the customer. Proper packing methods should be used in returning items to Supera LLC.

Supera EVC3000 Waste Gas Evacuation Diagram

2" Sch 40 PVC main line and exhaust - 200' maximum length

1" Sch 40 PVC sub main - 100' maximum length

1/2" Sch 40 PVC line to outlet - 30' maximum length



FORM 2157 REV.D
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