

SUPERA

**ANESTHESIA
INNOVATIONS**

Model EVC3100

Waste Gas Evacuation System

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 Supera LLC directly for all maintenance and repairs.

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



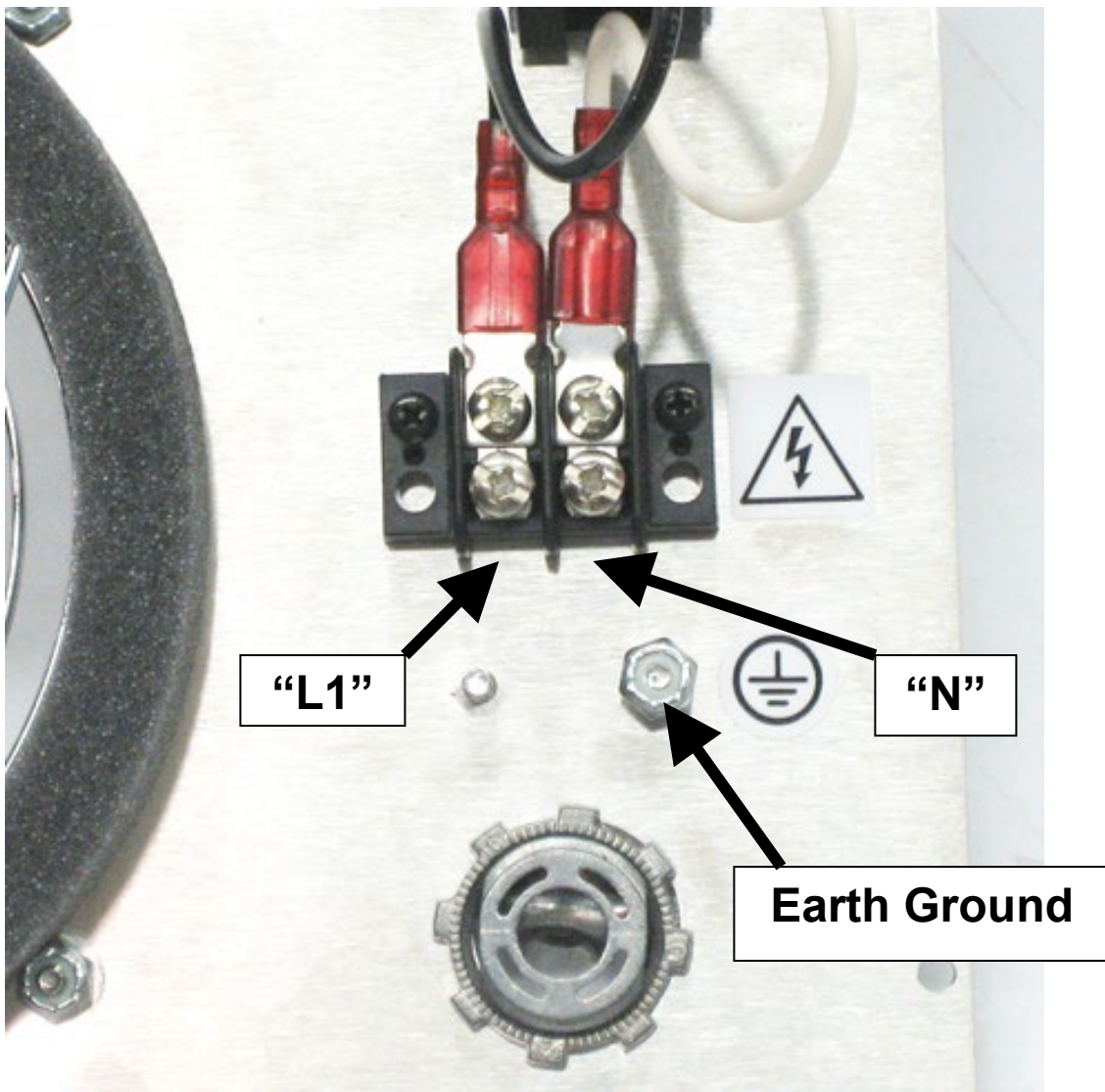
High Voltage: Risk of Electrical Shock



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 unit must be free of loose dirt and debris

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

This is a mechanical pump that emits noise (less than 70dB(A)) at a constant rate. We recommend the unit be mounted in an area not in constant use by people or animals.

EXHAUST - ¼ NPT FEMALE

INLET TO BUILDING PLUMBING - ¼ NPT FEMALE

ON/OFF switch



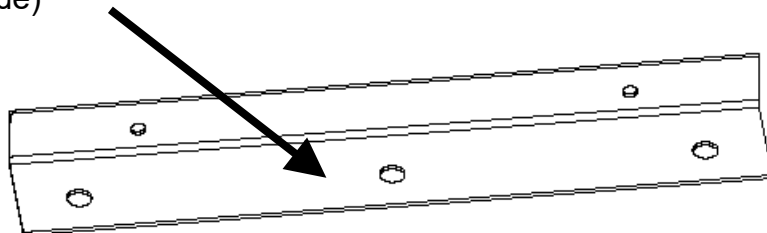
The ON/OFF switch has a built-in resettable circuit breaker. When activated, the switch will be in a central position. To reset, toggle the switch to the OFF position then to the ON position.

NOTE: Power cord not included



Hold down brackets

Screw down unit to a solid structure
(3 screws per side)



RECOMMENDED GUIDELINES

LOCATION

This is a mechanical pump that emits noise at a constant rate. We recommend the unit be mounted in an area not in constant use by people or animals.

POWER SWITCH

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

INTAKE

1/4 NPT fitting to 1/2" copper pipe.

EXHAUST

1/4 NPT fitting to 3/4" copper or 1" scd40 PVC pipe plumbed to outside the building.

OUTLETS

Any piped gas outlets (WAGD) can be used. No ceiling or wall valves are needed to control the flow rate, however, all active (suction style) evacuation systems require waste gas interface (WGI) balance valves on the anesthesia machines. With pump style evacuation systems a flow meter is used in the WGI to control the flow to the anesthesia machines.

WASTE GAS INTERFACE

The EVC629 WGI with built in flow valve is engineered for this system and requires no additional calibration or maintenance. It is mounted on the anesthesia machine and attached to the pop off valve or non-rebreathing system via the blue 19mm hose.

It is preset at 7 lpm flow. It can be adjusted higher using a calibrated flow meter. NOTE: This should be done by a profession service company.



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 copper pipe and are connected to the anesthesia machine through the waste gas interface (WGI) device to balance the negative pressure.

1-20 Anesthesia Machines

Uses standard wall/ceiling outlets

Plumbed using copper pipe

Uses waste gas interface EVC629 to balance evacuation pressure on each anesthesia machine.

MAINTENANCE

This AES unit is maintenance free.

TROUBLE SHOOTING

1. The no air is flowing.

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 pump 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

SPECIFICATIONS

Tech Specs

Oil less operation

All aluminum parts treated for corrosion protection from moisture

Rugged motor shell construction

Electrical

Voltage: 115

Hz: 50/60

Phase: Single

Full Load Amps: 6.6

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

Construction

303 stainless steel housing

Dimensions

10.5" X 10.5" X 10"

Weight

31 lbs.

Sound Level

Less Than 70 dB(A)

*** We recommend the unit be mounted in an area not in constant use by people or animals.**

WARRANTY (PARTS ONLY)

2 years

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.



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SAMPLE SYSTEM LAYOUT

