

EICKEMEYER Active Scavenge System Installation and Operation Manual

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Notice

The Product design and / or specifications in this manual may be changed without notice. The information contained in this manual is current as of the date of this issue.

There are no user serviceable parts in the Eickemeyer Active Scavenge System. Refer all repairs to an authorised Service Agent.

All Eickemeyer Active Scavenge Systems are tested prior to leaving the factory and have a full 12 month warranty.

Any tampering or modification with the Scavenge unit will void the warranty.

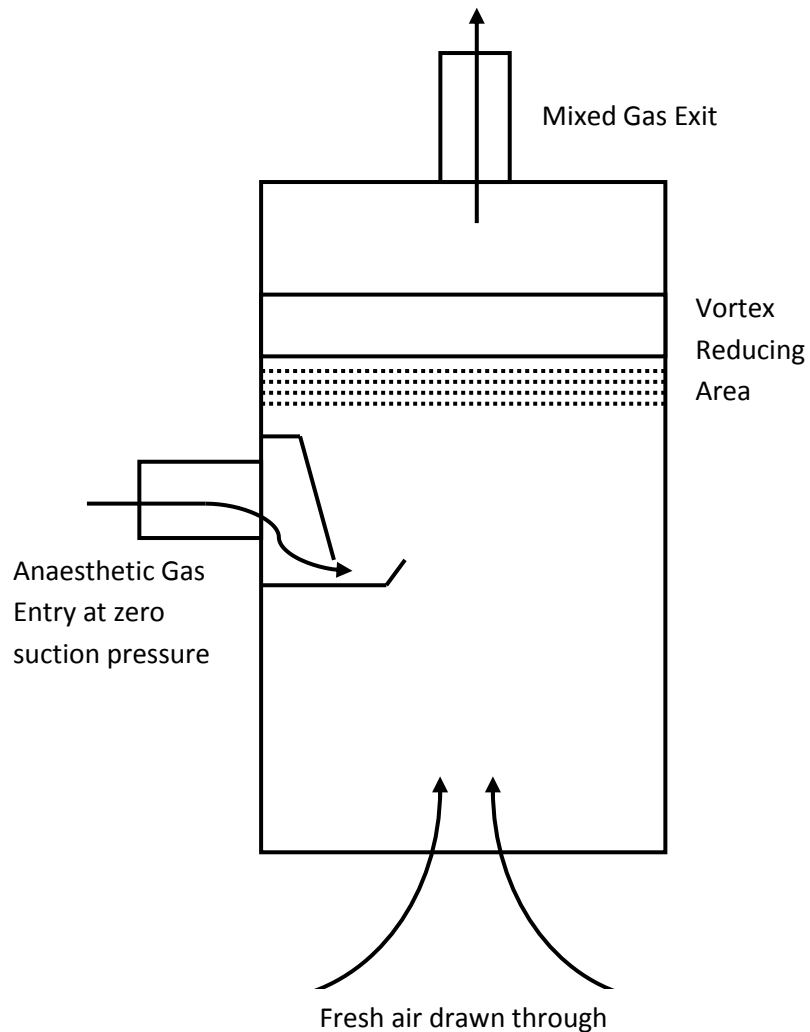
WARNING!

Although the fan in the Scavenge Unit is a Brushless type, **do not use the system in the presence of flammable anaesthetic agents.**

Introduction

The Eickemeyer Scavenge System has been designed with one single purpose in mind, to evacuate Anaesthetic gasses from the operation theatre with minimal fuss.

The Active Scavenge Unit is designed around the principle of Venturi effect Airflow so as not to drain the breathing bag. This is achieved by drawing most of the air through the vent adjacent to the power switch.



If the System is installed and maintained as per the instructions in this book it should give you years of trouble free operation.

Eickemeyer Active Scavenge System Specifications

Weight (Package).....	5.0 Kg
Weight (Scavenge unit)	2.2 Kg
Dimensions (Package)	15.0cm H x 68.0cm W x 48.5cm L
Dimensions (Scavenge unit).....	47.0cm H x 8.9cm W x 8.9cm L
Power plug requirements.....	240V AC 50 Hz
Maximum tube length (Entry).....	3.0 Meters
Maximum tube length (Exit).....	4.0 Meters
Scavenge Unit power requirements.....	12V DC, 0.3 Amp

Unpacking the Scavenge Unit

When you receive your Eickemeyer Active Scavenge System cut through the packing tape of the box and verify that the following components are in the box.



- 1 x..... Scavenge Unit
- 1 x..... Plug pack
- 1 x..... Mounting hardware
- 1 x..... Wall plate

Waste gas tubing is sold separately by the meter.

If any of the components are damaged or missing contact your supplier immediately for part replacements.

Installation

1. Once all the components have been checked a place for mounting the Scavenge unit should be found, it should be mounted near a power outlet and on an external wall to allow the mounting of the wall plate.
2. The Scavenge unit can be mounted in either the vertical or horizontal position although the vertical position is preferred as it facilitated the evacuation of any anaesthetic agent that has fallen to the floor due to leaks in the circuit and absorber system.
3. Position the Scavenge Unit as required at 10 cm above the floor and mark the wall through the hanger(s) for drilling (use a spirit level for best results).
4. Remove Scavenge unit and drill hole(s) in the wall with the masonry drill supplied in the fitting bag, but only deep enough for the wall plugs to push through.
5. Place wall outlet template on wall, mark and drill as per Scavenge unit. Drill a centre hole big enough to fit the outlet on the wall plate (minimum 34mm).
6. Push the grey tube into the rear of the wall plate and fit all of the wall plugs.
7. Push the grey tube through the hole in the wall and screw the wall plate and suction unit into position with the screws supplied.
8. On the outside run the grey tubing up the wall and make a 180 degree turn at the end to stop water entering the tube. Affix tube to wall and galvanised saddles.
9. Connect the outlet of the Scavenge unit to the wall plate and the outlet to the anaesthetic machine to the inlet of the Scavenge unit with the pink tubing supplied.
10. Fit clamps to the pink tubes.
11. Plug in plug pack and turn switch on.
12. Remember for best results do not fit more than 6 meters of tubing to the system. Tubing is sold separately by the meter

Maintenance

The only maintenance required is a monthly clean on the inlet holes adjacent to the power switch to remove any dust build up.

The pink tubes should be replaced as required.

All the components of the Active Scavenge System should be cleaned with a light detergent and care must be taken near the electrical components. Do not operate the system if any of the components are wet or damp.



Eickemeyer Veterinary Equipment Ltd.

47 St. Margarets Grove

Twickenham

Middlesex

TW1 1JF

United Kingdom

Phone: 0044 (0)20 8891 2007

Fax: 0044 (0)20 8891 2686

Email: info@eickemeyer.co.uk

www.eickemeyer.co.uk