



The SAV04 is the new, enhanced version of the SAV03.

The SAV04 incorporates a host of new features for improved control of IPPV.

With the SAV04 you can:

Ventilate safely in pressure cycling mode

 Ventilate animals weighing from a few grams upwards

See the measured inspired time

See the measured respiratory rate

 See a rising pressure bar graph during inspiration

Run the ventilator on its internal battery

The SAV04

Safe, simple, pressurecycled ventilation for small animals

Key features

- The SAV04 is an enhanced version of our SAV03
- Now incorporates alerts and alarms for ventilation status
 - Patient disconnect
 - Over-pressure
 - Apnoea
 - Valve disconnect or failure
- Measurement of inspiratory time and respiratory rate

MAINS(8.

- Microprocessor controlled
- Select-and-commit entry to prevent false changes
- Easy and intuitive to use
- Compact, rugged unit
- Internal battery for portable/mobile use
- Clear, bright visual display
- Designed and manufactured in the UK

Ventilation Equipment

Ventilation Equipment

The SAV04

Safe, simple, pressurecycled ventilation for small animals

The SAV04 is an enhanced version of the long-standing SAV03 ventilator and uses the same principles of simple, pressure-cycled ventilation.

In the redevelopment of the ventilator, features have been added to improve patient control and to improve ventilation status feedback. For example, there is now an automatic over-pressure alarm that will sound if the target pressure is exceeded by 8cm. There is also an alarm if the patient becomes disconnected from the ventilator, or if no back-pressure is detected during the inspiratory phase.

These alarms are designed to be informative and are accompanied by explanatory text on the main screen. In addition, an audible beep is produced on every successful breath. Both this beep and the alarm beeps can be individually silenced if required. There is a new valve design to accompany the new

ventilator and this has two major benefits. Firstly, the valve can be automatically zeroed on any other SAV04 machine allowing valves to be swapped or replaced easily.

Secondly, a larger orifice in the exit port of the valve means the port can now support larger animals. The 12mm diameter exit orifice will now allow unrestricted expiration in animals up to 40kg.

Technical Specification

Mechanical	
Dimensions	170mm x 170mm x 95mm
Weight	1.2kg
Construction	Anodised aluminium case with rubber end protectors
Electrical	
Supply voltage	9 volt DC, 2 amp universal input charger
Power consumption	15 watts
Rear panel fuse rating	2 amps
General	
Intended use	Domestic animals up to 12kg in weight (up to 40kg with high flow rates)
Anaesthetic apparatus configuration	T-piece with fresh gas and anaesthetic agent in a non-rebreathing circuit
Mode of operation	IPPV by outlet occlusion. Pressure-cycled/ pressure limited device
Preset trigger range	1-60 centimetres water pressure
Resolution	1 centimetre water pressure
Expiratory phase range	0.1 to 60 seconds
Respiratory rate range	1 to 120 breaths/minute (depending on inspiratory fresh gas flow rate)

It must be remembered the principle of operation is still based around a T-piece, so proportionately higher fresh gas flow rates will be required. However, with the advent of oxygen generators, running such a system on 8-10L is feasible for short-term or emergency use. The new display now provides more information to the user. A central rising bar graph shows the pressure in the patient's airway, enabling quick assessments to be made on system and/or ET tube leaks. Each inspiratory period is now measured and displayed on the screen as is the measured respiratory rate.

The new SAV04 provides a simple, yet safe, way to ventilate your smaller, most vulnerable patients.

