

# SAR-1000 Small Animal Ventilator

Versatile and advanced, ideal for the ventilation of multiple subjects



**Product codes:**

Reference: SAR-1000

## Product description:

This small animal ventilator is designed to provide **safe and reliable mechanical ventilation** for mice, rats and other small laboratory animals. Its simple operation allows the ventilation of 1 rodent, and **up to 5, thanks to the extension kits (optional)**.

It operates on the **flow-time principle**: a measured airflow is gated into the animal for a set time, thus producing a known tidal volume. It also can operate in pressure-cycled mode, where the airway pressure is automatically limited to a user-set value. This design allows **great flexibility**: airflow, distribution and pressures are all independently adjustable over a wide range.

SAR-1000 is completely **autonomous** with a built-in air pump to provide airflow. It is also compatible with anesthetic gases. All settings are made from the front panel, and are displayed on an LCD display along with computed measurements. You can also use remote control applications via the USB interface.

## Product features:

Dimensions: 23x10x23 cm  
Power supply: 120/240 VAC, 50VA  
Animal: Mice to guinea pig size  
Respiratory rate range: 5-200 breaths/min  
Tidal volume range: 0.2-30 ml  
Inspiratory flow range: 10-1000 ml/min  
Inspiration / expiration range (% Insp): 10-90 %  
Pressure control range: 0-50.0 cmH<sub>2</sub>O  
Internal air pump capacity: 2.5 lpm @ 5psi (0.34 bar)

### Available models

