

Inspira – Advanced Safety Ventilator (ASV)



Previous



Next

Table of Contents

Product Index

Search

Home

Contact Us



Previous



Next



Announcing two new additions to our ventilator family:

- *Inspira Advanced Safety Ventilator – Volume Controlled (ASV_v)*
- *Inspira Advanced Safety Ventilator – Pressure Controlled (ASV_p)*

Both ventilators are the result of extensive research and development. Each features an easy to use keypad, bright display, and all gas ports located on the front panel. Advanced functions include Airway Pressure Monitoring, Assist Mode, Programmable Sigh Breaths, and Adjustable I:E Ratio.

- Ventilates mice to cats with one ventilator (15 g to 10 kg)
- Easy to use
- Two models available:
 - Volume-controlled
 - Pressure-controlled
- Airway pressure monitoring detects over/under pressurization of lungs
- Assist Mode helps wean animal off the ventilator
- Built in sigh breath maintains optimal lung functioning
- Adjustable I:E ratio (1:4 to 4:1)
- Ability to ventilate with air or non-flammable anesthetic gases
- Quiet

One Ventilator – Many Animals

This is Harvard Apparatus' first ventilator that can ventilate animals from mice to cats using the same machine. It provides respiration rates from 5 to 200 bpm. The tidal volume is adjustable from 0.1 ml to 100 ml. It is no longer necessary to purchase one ventilator for mice and another for large rodents. The Inspira can do it all.

Easy to Use

Simply enter the animal's weight and press run! A microprocessor recommends the respiratory profile for a user-entered animal weight. The user may override respiratory parameters if needed. The ventilators have a bright, easy-to-read display and simple to use keypad.

All gas connections are positioned on the front of the machine for convenience. In addition to the gas ports, two analog outputs, an external trigger connector, and sync out connector are also located on the front of the machine. An RS-232 port is located on the back of the machine and can be used for remote control, data logging, or printer connection.

Airway Pressure Monitoring

Built-in pressure sensor monitors airway pressure. Under and over pressure limits are monitored. Starting limits are selected by built-in controller.

Safe Range™

Setting up the ASV ventilators is both easy and safe thanks to the Safe Range™ software. Once the animal's body weight has been entered the software computes the median settings for tidal volume and respiratory rate. These same equations are used to calculate a Safe Range™ around the median values. All the default parameter settings can be overridden. If you enter a setting outside of the Safe Range for the body mass of the animal to be ventilated you are warned that the value is outside the Safe Range™ and asked to confirm the setting.