SAV-19

AUTOMATIC VENTILATION SYSTEM

THE TECHNOLOGY THAT BREATHES

SIEMENS SMC Applus

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PRESENTATION

Automatic ventilation system with enabled **control** and **monitoring** functions of following parameters:

- Peak, plateau and PEEP pressures
- Tidal Volume and volume/min
- I:E Ratio
- Respiratory Frequency
- Inspiratory pause
- Lung dynamic compliance

KEY BENEFITS

SCALABLE

Design oriented to a scalable production rate of 500 units per week.

REALIABLE & ROBUST

Manufactured with stainless steel parts and industrial components of main worldwide suppliers such as SIEMENS and SMC.

PATIENT SAFETY

SAV-19 includes safety mechanical elements and large quantity of alarms which make it one of safer equipment of the market.

LOW MAINTAINABILITY

Critical elements of well-known industrial suppliers which assures no-maintenance operations in less than 4 years or 30 millions of working cycles.

ELECTRICAL AUTONOMY

Full functionalities during more than 30 minutes thanks large battery of international brand Siemens.

EASY USE FOR MEDICAL PERSONNEL

Intuitive interface with a color tactile screen of Siemens and with an optimal design to ease parameters configuration and its monitoring.

GRAPHS MONITORING

Visualization capability of pressure, flow and volume graphs in an external computer, including ventilation parameters.

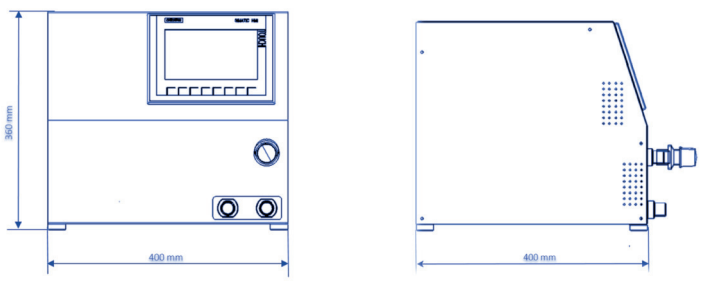
TWO FUNCTIONAL MODES

Volume control ventilation.
Pressure control ventilation.

TECHNICAL SPECIFICATION

Dimensions	400mmL x 360mmH x 400mmW.
Peak pressure range	10 - 80 cmH2O.
Plateau pressure range	10 - 80 cmH2O.
Tidal Volume range	Entre 200 y 900 mL.
V/min range	Entre 2 y 15 L/min.
Frequencie range	10 - 30 cycles per minute.
I:E rate range	2:1; 1:1; 1:2; 1:3 y 1:4.
Battery	30 min of autonomy with maxim function parameters.
Screen	Siemens, Color touch screen, 7".
Control system	Siemens.
Function modes	Volume Control (VC); Pressure Control (PC).
Configurable ventilation parameters	Frequency; I:E; Vtidal or Peak Pressure;Inspiratory pause.
Visualized ventilation parameters	Frequency; I:E; Vtidal; Volume/minute; Peak Pressure; Plateau Pressure; PEEP Pressure; Dynamic Compliance.
Configurable ventilation alarms	Maximum peak pressure; Minimum pressure; Maximum and minimum Volume/minute; Maximum and minimum PEEP Pressure.
Non-configurable safety alarms	Safety pressure (>60 cmH2O); Patient desconnnection; Electric Desconnection; Battery mode activated; Low Battery.
Standards	EN ISO 10651-4:2009. Partially: EN 60601-1:2006 and EN 60601-2-12:2006x.
Electromagnetic Compatibility (EMC)	According to EN 60601-1-2:2015.
Ventilator trolley	Optional

Technical Drawing



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