

Simplified Automated Ventilator II



AutoMed_x
MEDICAL SUPPORT TECHNOLOGY

SAVe II Overview

Simple to Use – Provider turns on device, selects height of the patient and hits confirm. The device then delivers 6 mL/kg of Ideal Body Weight (IBW). This is based on the ARDSnet Protocol.

Portable –hand sized device that weighs 1.2 kg (2.75 lbs)

Internal Compressor – does not require a compressed air source to operate; delivers ambient air

FiO₂ - 21% to 100% if supplemental Oxygen is used (up to 10 L/min)

Rechargeable Battery – a lithium ion battery delivers air for 10+ hrs; runs & charges simultaneously when plugged in

Height Presets

Height	TV [mL/br]	RR [br/min]	PIP [cmH2O]
4'3"	250	20	30
4'6"	250	21	30
4'9"	260	21	30
5'0"	300	20	30
5'3"	340	18	30
5'6"	380	16	30
5'9"	420	15	30
6'0"	470	14	30
6'3"	510	13	30

* Presets correspond to 6 ml/kg of male ideal body weight (IBW) rounded to nearest 10 ml

* The tidal volume at 4'3" is equivalent to 8.5 ml/kg

* The tidal volume at 4'6" is equivalent to 7 ml/kg

Specifications

Control	Operating Modes:	Dual Control – Intermittent Mandatory Ventilation CPR Mode
	Primary Control:	Time
	Secondary Control:	Pressure
	Breath Target:	Volume
Rate	Flow Rate (LPM):	Up to 27
	Breath Rate (BPM):	8 – 30
Pressure (cmH2O)	Peak Inspiratory Pressure (PIP) Limit	10 - 60
	Peak End Expiratory Pressure (PEEP)	0 - 10
	Inspiratory Trigger Pressure	2
	Inadvertent PEEP	< 2
Volume (mL)	Tidal Volume	200 – 800
	Minute Volume	1600 – 8000
Time (Seconds)	Inspiratory	0.75 – 2.00
	Expiratory	2.25 – 5.00
	I:E Ratio	Fixed at 1:2
Supplemental Oxygen	Input Flow Rate:	0 – 10 LPM
	FIO ₂ :	21-100%
Operating Time	TV=500, RR=10, PEEP=0	Up to 10 hours

Specifications (cont.)

External Power Supply	Input:	100 – 240 VAC / 50-60 Hz
	Output:	16.8 VDC @ 0.9A
Audible Alarm	Standard:	Meets 60601-1-8 IEC
Dimensions:	Size:	6.5" x 6.0" x 2.0" (78 in ³) 16.5cm x 16cm x 5cm (1336 cm ³)
	Weight (Unit Only):	2.75 lbs. (1.2 kg)
	Weight (Kit with Hard Case)	8.4 lbs. (3.8 kg)