Overview and Specifications

AutoMedx

JD Honigberg

Overview

Simple to Use – Height presets enable minimally trained provider to deliver targeted therapy. Reduce the operator error and guesswork associated with BVMs or overly sophisticated ventilators

Highly Portable –hand sized device that weighs 1.3 kg (2.8 lbs)

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

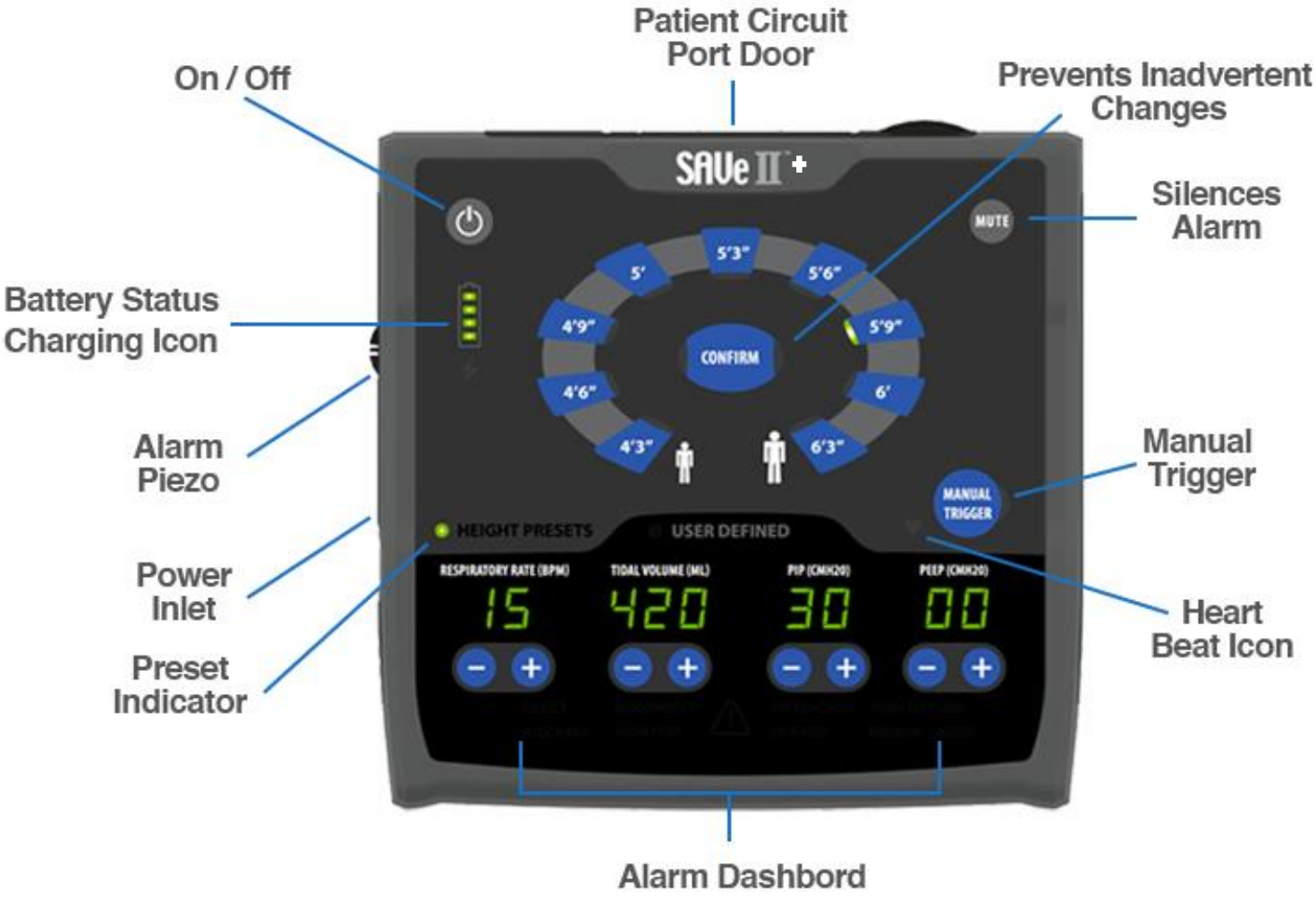
FiO2 - 21% to 100% if supplemental Oxygen is used (up to 12 L/min)

Rechargeable Battery – delivers air for 10+ hours depending on the settings; runs & charges simultaneously when plugged in

The SAVe II is a time-cycled, volume-targeted, pressure-limited ventilator

AutoMedx

Features



Note: European version is in centimeters

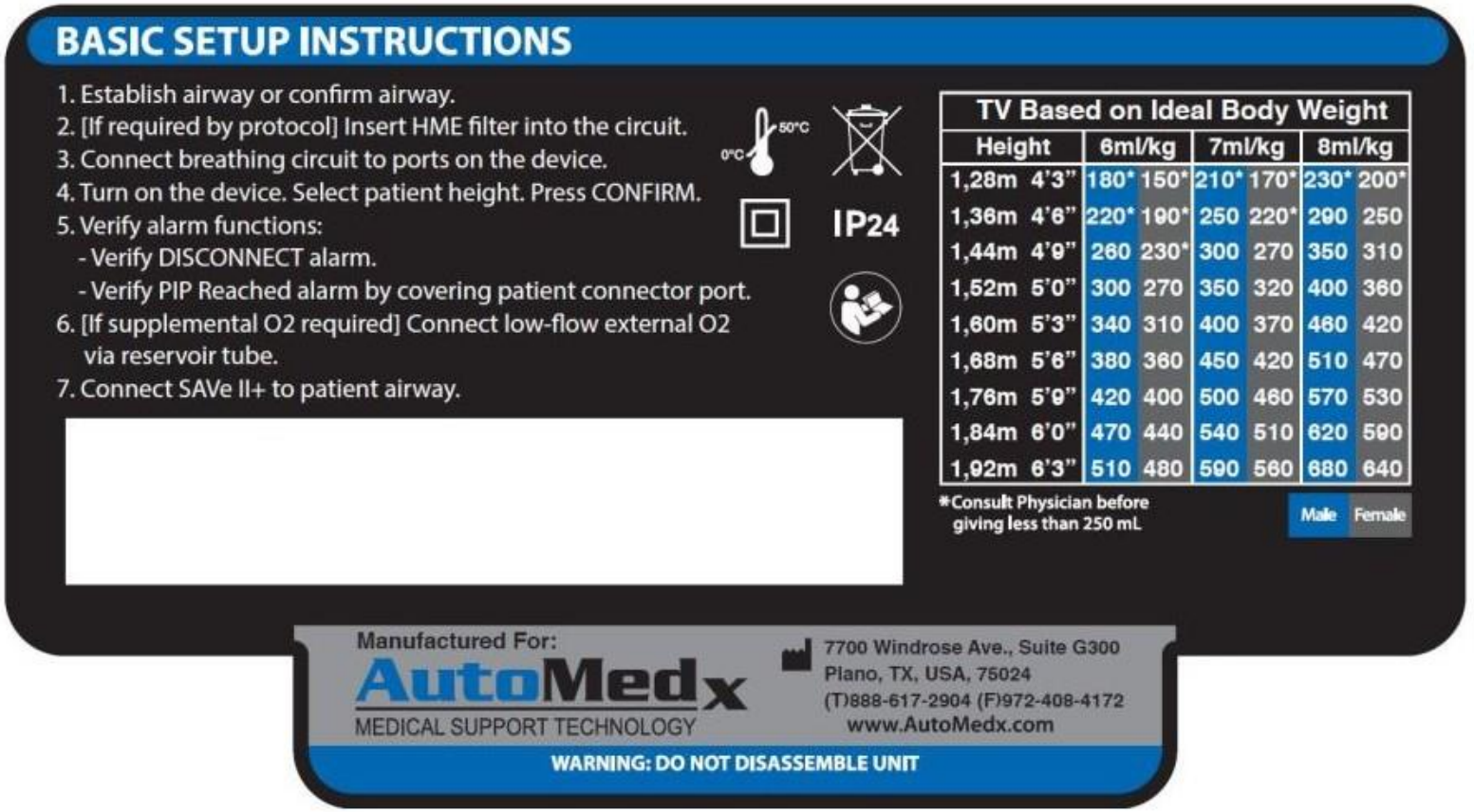
Height Presets are lung and neuro protective volumes based on ARDSnet Protocol

ADULT HEIGHT (FT' IN")	ADULT HEIGHT (cm)	RR (BPM)	TV (mL)	Minute Volume (LPM)	PIP (cmH_2O)	PEEP (cmH_2O)
4' 3"	129	20	250	5.0	30	0
4' 6"	137	21	250	5.3	30	0
4' 9"	145	21	260	5.5	30	0
5' 0"	152	20	300	6.0	30	0
5' 3"	160	18	340	6.1	30	0
5' 6"	168	16	380	6.1	30	0
5' 9"	175	15	420	6.3	30	0
6' 0"	183	14	470	6.6	30	0
6' 3"	191	13	510	6.6	30	0

*The Tidal volume presets were calculated using 6 mL/Kg of a male patient's ideal body weight (IBW). The respiratory rate was set to achieve minute volumes between 5 and 6.6 liters. Females receive on average 6.5 mL/Kg of ideal body weight. The presets do not go below 250 mL so patients at 4'3" and 4'6" are receiving higher relative tidal volumes.

Low tidal volumes reduce mean intrathoracic pressure which minimizes negative impact on cardiac output and potential secondary brain injury in TBI patients. Higher respiratory rates insure adequate minute volume and gas exchange

Back label has setup instructions including a tidal volume chart that enables a medic to make fine adjustments to preset values



BASIC SETUP INSTRUCTIONS

1. Establish airway or confirm airway.
2. [If required by protocol] Insert HME filter into the circuit.
3. Connect breathing circuit to ports on the device.
4. Turn on the device. Select patient height. Press CONFIRM.
5. Verify alarm functions:
   - Verify DISCONNECT alarm.
   - Verify PIP Reached alarm by covering patient connector port.
6. [If supplemental O2 required] Connect low-flow external O2 via reservoir tube.
7. Connect SAVe II+ to patient airway.

0°C 50°C

IP24

TV Based on Ideal Body Weight						
Height		6ml/kg		7ml/kg		8ml/kg	
1,28m	4'3"	180*	150*	210*	170*	230*	200*
1,36m	4'6"	220*	190*	250	220*	290	250
1,44m	4'9"	260	230*	300	270	350	310
1,52m	5'0"	300	270	350	320	400	360
1,60m	5'3"	340	310	400	370	460	420
1,68m	5'6"	380	360	450	420	510	470
1,76m	5'9"	420	400	500	460	570	530
1,84m	6'0"	470	440	540	510	620	590
1,92m	6'3"	510	480	590	560	680	640

*Consult Physician before giving less than 250 mL

Male Female

Manufactured For:
AutoMedx
MEDICAL SUPPORT TECHNOLOGY

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WARNING: DO NOT DISASSEMBLE UNIT

Heights are in centimeters for European version. Grey designates male volumes and Blue female volumes

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 36
	Breath Rate (BPM):	8 – 30
Pressure (cmH2O)	Peak Inspiratory Pressure (PIP) Limit	10 - 60
	Peak End Expiratory Pressure (PEEP)	0-20
	Inspiratory Trigger Pressure	2
	Inadvertent PEEP	< 2
Volume (mL)	Tidal Volume	200 – 800
	Minute Volume	1600 – 1200
Time (Seconds)	Inspiratory	0.67 – 2.50
	Expiratory	1.30 – 5.00
	I:E Ratio	Fixed at 1:2
Supplemental Oxygen	Input Flow Rate:	0 – 12 LPM
	FIO_2:	21-100%
Operating Time	TV=420, RR=15, PEEP=0, Lung: Rp5 CO05	2600mAh battery: 8 hours 20 min
	TV=420, RR=15, PEEP=0, Lung: Rp5 CO05	2800mAh battery: 9 hours 17min

Specifications (cont.)

External Power Supply	Input:	100 – 240 VAC / 50-60 Hz
	Output:	16.8 VDC @ 2.7A max
Audible Alarm		Meets 60601-1-8 IEC Standard
Dimensions	Unit Only Hard Case Kit Soft Case Kit	16.5cm x 16cm x 5cm 31cm x 35cm x 24cm 33cm x 26cm x 14cm
Weight	Unit Only Kit with Hard Case	1.3 kg (2.8 lbs) 4.5 kg (9.9 lbs)
IP Rating	Unit Only Hard Case Kit	IP24 IP67
Temperature Ranges	Operating (normal) Operating (extreme) Storage (short term) Storage (long term)	5 to 45C -10 to 50C 0 to 40C 0 to 30C
Vibration		IEC 60068-2-6 and 60068-2

Note: for more detailed specifications see appendix A of Operator's Manual

Water and dust proof hard case kit

Weight: 4.5 kg (9.9 lbs)
Dimensions: 31 cm x 35 cm x 17 cm
Ingress Rating: IP67

Each device is shipped as a kit that includes the required accessories.
Case is ideal for long term storage or shipping to theater of operation


Thank you
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