



INNOVATION. PRECISION. EXCELLENCE.



PREVENT™ Emergency Resuscitator

PREVENT™ is an FDA-authorized emergency ventilator designed to treat patients suffering from COVID-19 respiratory failure. This motorized device automatically compresses a resuscitator bag to provide air to the lungs of a COVID-19 patient, eliminating the human error and fatigue that results from manual actuation. PREVENT™ is indicated for emergency resuscitation with appropriate patient monitoring on adult patients that require mechanical respiratory support and provides real patient feedback that even a novice clinician can titrate.

An intuitive LCD screen allows clinicians to easily set tidal volume, peak inspiratory pressure, respiratory rate, and the inspiratory-to-expiratory ratio. Based on the control settings and PEEP, two actuating arms will squeeze the resuscitator bag to deliver the necessary tidal volume to the patient's lungs. The LCD screen allows for digital display of patient data while the LED warning system will visually and audibly notify the clinician if specific safety parameters are met.

Control Settings

Tidal Volume (TV): 200 - 700 mL

Peak Inspiratory Pressure (PIP): 10 - 40 cm H₂O

Respiratory Rate (RR): 8 - 25 BPM

Inspiratory to Expiratory Ratio (I:E): 1:1 - 1:3

Positive End Expiratory Pressure (PEEP): 5 - 20 cm H₂O

Power Requirements

75 W at 85 - 264 VAC, 47 - 64 Hz

Patient Requirements

Adults weighing at least 66 lbs (30 kg)

| System Alarms | |
|--|---------------------------|
| Battery Charge | |
| Operational Alarms | |
| Power Removed | |
| Pressure Failure (Pressure Constant for 5 sec) | |
| Under Pressure (Less than 2 cm H ₂ O for 5 sec) | |
| Drive Over Temperature | |
| Drive Warn Temperature | |
| Operational Warnings | |
| Motor Stall | |
| Motor Timeout | |
| Over Pressure (Pressure Over PIP for 5 sec) | |
| LED Alert System | |
| Off | Off |
| Green (Solid) | In Operation |
| Red (Blinking) | Active Alarms |
| Red (Solid) | Active Warnings |
| Buzzer | Sounds with Active Alarms |

Integrated features on PREVENT™ include:

- LCD control screen panel with intuitive user interface and rotary input knob
- 4 control settings including TV, PIP, RR, and I:E
- Real time patient data of RR, TV, and PIP to ensure therapeutic parameters are met
- Built-in LED alert system with buzzer including 2 system alarms, 5 operational alarms, and 1 operational warning
- Designed for use with an inline HMEF for minimal dead space, low moisture output, and limited resistance. Also works with HEPA filter
- Dimensions suited for patient's bedside and easily portable
- Enclosed safety cover to protect resuscitator bag



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PVA authorized testing was completed with the Ambu® SPUR® II resuscitator bag (not included)

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