



# RESPOND-19™ Ventilator

Designed to expand your critical care ventilator capacity for **invasive** and **non-invasive** respiratory support

- ▶ Reliable respiratory support with rapid and affordable deployment
- ▶ Optimized for use during the COVID-19 pandemic



## Sophisticated ventilation with excellent infection control

- FDA authorized ICU ventilator under an EUA
- Lifesaving, life-sustaining, and weaning capabilities
- 99.999% antiviral filters protect patients and staff



## Avoid costly service or maintenance plans

- Robust design optimized for long-term storage
- 5-year shelf life
- Ideal for overflow respiratory support or day-to-day clinical use



## Out-of-the-box setup

- Ready to ventilate in  $\leq 10$  minutes
- Efficient staff training in  $< 1$  hour
- Compatible with all low flow  $O_2$  sources



### 1 Key Ventilator Modes

Mandatory, assist, and spontaneous ventilation

### 2 Key Ventilator Settings

Inspiratory pressure target, pressure support target, breath rate, inspiration time, PEEP, and  $O_2\%$  set by wall  $O_2$  flow

### 3 Key Alarms

Including high inspiratory pressure, disconnect, occlusion, and apnea

### 4 Essential Features

Flow triggering, viral filtration and humidification

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## Device Specifications

### KEY FEATURES

<b>Modes</b>	Continuous Mandatory Ventilation (CMV), Assist-Control Ventilation (ACV) and Spontaneous Ventilation
<b>Breath Modes</b>	Pressure Control Ventilation (PCV), Pressure Support Ventilation (PSV+CPAP) and P SIMV (PCV+PSV)
<b>Breath Types</b>	Invasive and non-invasive
<b>Maintenance</b>	No maintenance required

### VENTILATOR PARAMETERS

<b>Key Alarms*</b>	High and low inspiratory pressure, disconnect, occlusion, loss of power, apnea, low exhaled tidal volume, high respiratory rate
<b>Inspiratory Pressure Target Range (P<sub>I</sub>)<sup>†</sup></b>	5 – 40 cmH <sub>2</sub> O
<b>Pressure Support Target Range (P<sub>SUPP</sub>)<sup>†</sup></b>	0 – 40 cmH <sub>2</sub> O
<b>Inspiratory Time (T<sub>I</sub>)<sup>†</sup></b>	0.4 – 3.0 sec
<b>Breath Rate<sup>†</sup></b>	3 – 70 bpm
<b>Tidal Volume (V<sub>T</sub>)</b>	50 – 2000 ml
<b>Exhalation Sensitivity (E<sub>SENS</sub>)<sup>†</sup></b>	5 – 80%
<b>Flow Triggering Sensitivity (V<sub>SENS</sub>)<sup>†</sup></b>	0.5 – 20 L/min
<b>PEEP Range<sup>†</sup></b>	0 – 20 cmH <sub>2</sub> O
<b>Flow Rate (f)</b>	Max 120 L/min
<b>Oxygen Supply (flow meter / blender)</b>	< 15 L/min
<b>O<sub>2</sub>%</b>	21 – 95%
<b>Circuit Compliance</b>	< 2 ml/cmH <sub>2</sub> O
<b>Viral Filter</b>	99.999% on exhalation and inhalation
<b>Inspiratory Ratio (measured)</b>	3:1 to 1:5
<b>Humidified Air</b>	Yes

<sup>†</sup>Adjustable  
\*For a complete list of alarms, please refer to the Instructions for Use

### MECHANICAL SPECIFICATIONS

<b>Dimensions</b>	18" x 12" x 12"
<b>Weight</b>	< 15 lbs.
<b>Power</b>	120 VAC to 24 VDC input to ventilator
<b>External UPS</b>	Up to 2 hours of use
<b>User Interface</b>	LCD screen and Push buttons
<b>Connections</b>	Standard 22mm
<b>Air Source</b>	No wall air required; Electrically operated

Specifications are subject to change without notice.



Designed and Built in the USA

[WWW.CORVENTMEDICAL.COM](http://WWW.CORVENTMEDICAL.COM)

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The RESPOND-19™ Ventilator has been authorized by the FDA under an EUA and has received CE Mark. It is available for commercial use in countries that recognize the EUA or CE Mark.

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