



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 ≤ 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

RESPOND-19™ Ventilator



Device Specifications

KEY FEATURES

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

VENTILATOR PARAMETERS

Key Alarms*	High and low inspiratory pressure, disconnect, occlusion, loss of power, apnea, low exhaled tidal volume, high respiratory rate
Inspiratory Pressure Target Range (P_I)[†]	5 – 40 cmH ₂ O
Pressure Support Target Range (P_{SUPP})[†]	0 – 40 cmH ₂ O
Inspiratory Time (T_I)[†]	0.4 – 3.0 sec
Breath Rate[†]	3 – 70 bpm
Tidal Volume (V_T)	50 – 2000 ml
Exhalation Sensitivity (E_{SENS})[†]	5 – 80%
Flow Triggering Sensitivity (V_{SENS})[†]	0.5 – 20 L/min
PEEP Range[†]	0 – 20 cmH ₂ O
Flow Rate (f)	Max 120 L/min
Oxygen Supply (flow meter / blender)	< 15 L/min
O₂%	21 – 95%
Circuit Compliance	< 2 ml/cmH ₂ O
Viral Filter	99.999% on exhalation and inhalation
Inspiratory Ratio (measured)	3:1 to 1:5
Humidified Air	Yes

[†]Adjustable
*For a complete list of alarms, please refer to the Instructions for Use

MECHANICAL SPECIFICATIONS

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

Specifications are subject to change without notice.



Designed and Built in the USA

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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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