



The RESPOND Ventilator

Designed to modernize, simplify + automate pulmonary care medicine products & services through a disruptive partner network

- ▶ Reliable and affordable respiratory support for acute and post-acute institutions
- ▶ Accommodates both day-to-day clinical and stockpile needs



Sophisticated ventilation with excellent infection control

- Conforms to ICU standards (ISO 80601-2-12)
- Lifesaving, life-sustaining, and weaning capabilities
- 99.999% antiviral filters protect patients and staff



Avoid costly service or maintenance plans

- Non-proprietary patient circuit and accessories
- Robust design optimized for long-term storage
- Low total cost of ownership via rental or purchase



Simple and effective training platform

- Ready to ventilate in ≤ 10 minutes
- Efficient staff training in < 1 hour
- Quick guide located on top of ventilator



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 O₂% set by wall O₂ flow

3 Key Alarms

Including high inspiratory pressure, disconnect, occlusion, and apnea

4 Essential Features

Flow triggering, viral filtration and humidification

The RESPOND 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 masked ventilation
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})† (Invasive)	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
O ₂ %	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



WWW.CORVENTMEDICAL.COM

For more information, contact us at info@corventmedical.com

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1805 NDSU Research Park Drive N, Suite 118, Fargo, ND 58102

The RESPOND 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.