

Applications	
Pediatric, and Adult Suitable for use in hospitals, sub-acute emergency rooms and home care environments, as well as for transport and emergency response applications	
Modes of ventilation	
AC VC/PC/PRVC	
SIMV VC/PC/PRVC	
CPAP/PSV (SPONT)	
Volume guarantee modes (VG PS)	
APRV (Bi-Phasic)	
Invasive/non-invasive ventilation	
Special functions	
Automatic leak compensation	
Lung mechanics	
Integrated pneumatic nebulizer (optional)	
Integrated cuff pressure controller (optional)	
Integrated capnograph module (optional)	
Oridion NanoMedico2 / Respirationics Capnostat 5/Respirationics C5 Loflo	
SpO ₂ & Pulse rate measurement - SpO ₂ Nellcor (optional)	
Proximal flow sensor ventilation (optional)	
Flexible device configurations	
Automatic altitude compensation	
Easy access to operational control bar (100% O ₂ , Manual breath, Nebulizer, Cuff control, Lung mechanics, Capnography and Puls oximetry)	
Sigh	
Standby	
Customized apnea backup ventilation	
Configurable quick-start settings	
Languages	
English, French, German, Greek, Hungarian, Italian, Polish, Portuguese, Russian, Spanish, Turkish, Japanese, Chinese, Taiwanese	
Controls	
Tidal volume	30 to 2,200 ml
Breath rate	1 to 99 BPM
Inspiration time (Ti)	0.1 to 3.0 sec
Flow	2 to 220 l/min
Pressure control	5 to 80 cmH ₂ O
Pressure support (PSV)	0 to 80 cmH ₂ O
PEEP/CPAP	0 to 40 cmH ₂ O
Pressure trigger	-20.0 to -0.1 cmH ₂ O
Flow trigger	1 to 20 l/min
FiO ₂	21% to 100%
Flow waveform	Square/Descend
Rise profile	5 levels
PSV Ti	0.1 to 3 sec
PSV Flow termination	OFF, 10% to 90%
Operational control bar	
Screen lock	
2 min 100% O ₂	
Nebulizer	
Lung mechanics	
Cuff control	
Manual breath	
Capnography	
Pulse oximetry	
VG Mode controls	
Target VtG	30 to 2,200 ml
PS Min	0 to 80 cmH ₂ O
PS Max	5 to 80 cmH ₂ O
APRV Controls	
P High	3 to 60 cmH ₂ O
P Low	0 to 40 cmH ₂ O
T High	1 to 15 sec
T Low	0.5 to 5 sec
Inverse I:E	30:1
Alarms	
Alarm prioritization	3 Levels – Low, Medium, High 2 LED colors
Alarm history	Available on the main screen
Automatic alarms	
Circuit disconnection, Battery, Power supply, Gas supply, O ₂ Sensor, Oxygen concentration, Low volume, Low PEEP, Exhalation obstructed, Cuff pressure failures	

Adjustable alarms	
Low minute volume	0.1 to 49 L
High minute volume	0.1 to 50 L
Low pressure	OFF, 1 to 98 cmH ₂ O
High pressure	4 to 99 cmH ₂ O
Low rate	OFF, 1 to 99 BPM
High rate	OFF, 1 to 99 BPM
Low Vte	OFF, 10 to 2,200ml
Low Vti	OFF, 10 to 2,200ml
Apnea/Backup ventilation	10-60 sec
Low etCO ₂	OFF, 1-99 mmHg
High etCO ₂	OFF, 0.01-100 mmHg
Low SpO ₂	OFF, 70% to 99%
High SpO ₂	OFF, 71% to 100%
Monitored parameters	
Real time waveforms	Pressure, Flow, Volume, CO ₂ , Pleth
Loops	Pressure/Volume & Flow/Volume
Trends	Up to 72 hrs trends for all monitored parameters
Peak inspiratory pressure	0 to 120 cmH ₂ O
Peak inspiratory flow	1 to 220 l/min
PEEP pressure	0 to 99 cmH ₂ O
Mean pressure	0 to 99 cmH ₂ O
Inhaled/Exhaled tidal volume	0 to 10 L
Inhaled/Exhaled minute volume	0 to 99 L
Actual breath rate	0 to 99 BPM
Spont rate	to 99 BPM 0
I:E Ratio	1:99 to 3:1
Leak	0-100%
FiO ₂	21% to 100%
etCO ₂	0-150 mmHg
SpO ₂	70-100%
Pulse rate	0-300 BPM
Cuff pressure	0-50 cmH ₂ O
RSBI	0 to 200 l/min*l
Lung mechanics	Static & Dynamic compliance, Resistance, Plateau pressure, Auto peep
Special indicators	Battery level, Power supply, O ₂ supply connection (optional), Mute, Time and date
Size and Weight	
Screen size	8" 12" 8"
Dimensions (WxDxH)	34 x 26 x 25 cm / 34 x 26 x 30 cm / 33 x 27 x 28 cm / 13.3" x 10.2" x 9.8" 13.3" x 10.2" x 11.8" 13" x 10.6" x 11"
Weight	6 Kg/13.2 lbs 7 Kg/15.4 lbs 7 Kg/15.4 lbs
Oxygen	
O ₂ Mixer (optional)	Internal integral, Electronically controlled
High pressure	35 to 90 psi
Low flow port	0 to 15 l/min
Power Supply	
AC Power inlet	100 to 240 VAC, 50-60Hz
DC Power inlet	10 to 30 VDC
Internal batteries (2)	Hot swappable
Batteries operation	6 hours
Charging time	Up to 3 hours
Communications / Ports	
USB x2	Logs, SW Upgrade
COM1 - RJ11	Remote alarm NO/NC
LAN - RJ45	Remote monitoring
Environmental	
Operation temperature	-18 °C to 50 °C / -0.4F to 122F
Storage temperature	-30 °C to 71 °C / -4.0F to 160F
Relative humidity	15% to 95% at 31 °C / 88F
Operation altitude	110 kPa to 70 kPa / up to 15,000 ft
Water/Dust resistance	IP34 (splash proof)

Ventoux is not currently FDA cleared
*vt1 model is not currently CE approved



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VentO₂™

Ventilator Series



ICU-level ventilation for every care setting



LIT-0138 REV A03

VentO₂ux™

ICU-level ventilation for every care setting



Built on decades of experience

Designed and manufactured in-house by Flight Medical, the Ventoux™ series is built on the company's 20 years of experience and extensive research and development.

More than 22,000 Flight Medical ventilators are in service across more than 50 countries around the world by primary, critical and long-term care facilities, as well as by emergency service providers.

Next-generation ICU-level ventilator

Ventoux™ is Flight Medical's newest ventilator series, delivering ICU quality performance to infant and adult patients. Ventoux's adaptive ventilation modes learn and integrate patient responses in order to effectively adapt to their physiological and clinical conditions.

The highly versatile turbine-powered devices deliver levels of performance that meet ICU needs and cover the entire spectrum of care at an affordable cost.

Advanced monitoring, ease of use and cost-effective

The easy-to-read lung-mechanic, SpO₂ & etCO₂ display provides an at-a-glance view of the patients' ventilation status, delivering a reliable basis for therapeutic decisions.

The same user-friendly, intuitive interface is incorporated across all models within the series, allowing for reduced learning time and seamless operation with easy access to nurse controllers.

Versatile ventilator across multiple care settings

The compact and lightweight Ventoux ventilator series offers an ideal solution in a broad range of clinical environments.

- High and low flow oxygen supply
- Invasive and non-invasive ventilation with high leak compensation
- Advanced modes of ventilation
- Optional proximal flow sensor for precise measurements
- Different configurable models
- Three different optional internal capnography modules
- Optional Nellcor SpO₂ module
- Optional single or dual limb patient circuit



VentO₂ux® vc3

Large display for Emergency Room and Acute Care

VentO₂ux® vc2

Home care, Long-term care, EMS and Intra-hospital transport

VentO₂ux® vt1*

EMS and Transport

Unique cuff pressure controller module

Flight Medical's unique cuff pressure controller is offered as an advanced ventilator module, making the Ventoux ventilator the only portable ventilator to feature this unique technology.

The automatic cuff pressure controller is fully integrated with the system.

It reduces clinical intervention by continuously monitoring and automatically adjusting cuffed tracheal and tracheostomy tube pressure during the entire ventilation period. The automatic cuff pressure controller's unique design helps prevent and control ventilator-associated pneumonia (VAP) and tracheal injuries while supporting and optimizing mechanical ventilation therapy.

