

Applications	
Pediatric, and Adult Suitable for use in hospitals and sub-acute emergency rooms 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 / Respiration Capnostat 5/Respiration 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 Pulse 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%
Apnea/Backup ventilation	10-60 sec
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	5 to 80 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 MV	0 to 50 L
High MV	0 to 50 L
Low pressure	3 to 99 cmH ₂ O
High Pressure	20 to 99 cmH ₂ O
Low Rate	0 to 99 BPM
High Rate	0 to 99 BPM
Low Vte	Off, 10 to 2,200ml
High Vte	Off, 10 to 2,200ml
Low etCO ₂	0 to 150 mmHg
High etCO ₂	0 to 150 mmHg
Low SpO ₂	70% to 100%
High SpO ₂	70% to 100%
Low Pulse rate	20 to 300 BPM
High Pulse rate	20 to 300 BPM
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	0 to 99 BPM
I:E Ratio	1:99 to 3:1
Leak	0-100%
FiO ₂	21% to 100%
etCO ₂	0-150 mmHg
SpO ₂	1% to 100%
Pulse rate	20 to 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 and network connectivity
Size and Weight	
Screen Size	vc2 vc3 vt1 8" 12" 8"
Dimensions (WxDxH)	34 x 26 x 25 cm / 13.3" x 10.2" x 9.8" 34 x 26 x 30 cm / 13.3" x 10.2" x 11.8" 33 x 27 x 28 cm / 13" x 10.6" x 11"
Weight	7.6 Kg/16.8 lbs 8.2 Kg/18.0 lbs 8.4 Kg/18.5 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 / -22F to 160F
Relative humidity	15% to 95% at 31 °C / 88F
Operation altitude	70 kPa to 110 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	

VentO₂[®]

Ventilator Series



ICU-level ventilation for every care setting



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Flight Medical[®]

LIT-0138 REV A04

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.

