



Impressive technology in a small package.

Pediatric through Adult ventilation, a host of impressive features, all neatly packaged in a compact mobile ventilator.



# Vela Ventilator Specifications

Mode	Mode Type.....A/C, SIMV, CPAP/PSV Breath Type.....Volume, Pressure Apnea Backup.....Volume, Pressure
Primary Settings	Rate .....2 to 80 bpm Tidal Volume .....50 ml to 2.0 L Inspiratory Pressure .....OFF, 1 to 100 cmH <sub>2</sub> O Peak Flow .....10 to 140 L/min, (180 L/min spontaneous maximum) Inspiratory Pause .....OFF, 0.1 to 2.0 sec Inspiratory Time .....0.3 sec to 10.0 sec PSV .....OFF, 1 to 60 cmH <sub>2</sub> O PEEP .....0 to 30 cmH <sub>2</sub> O Flow Trigger .....OFF, 1 to 8 L/min %O <sub>2</sub> .....21 to 100% FiO <sub>2</sub>
Monitored Parameters	Exhaled Tidal Volume, Inhaled Tidal Volume, Spontaneous Tidal Volume, Mandatory Tidal Volume, Minute Ventilation, Spontaneous Minute Ventilation, Breath Rate, Spontaneous Rate, Expiratory Time, Inspiratory Time, I:E Ratio, Peak Pressure, Mean Airway Pressure, PEEP, FiO <sub>2</sub> , O <sub>2</sub> inlet
Manual Controls	Increase O <sub>2</sub> .....100% O <sub>2</sub> for 3 minutes Nebulizer .....30 minutes, synchronized
Advanced Settings	Bias Flow.....10 to 20 L/min PC Flow Cycle .....OFF to 30% PSV Cycle .....5 to 30% PSV Tmax .....0.3 to 3.0 sec
Alarms	High Pressure .....5 to 120 cmH <sub>2</sub> O Low Pressure .....OFF, 2 to 60 cmH <sub>2</sub> O Low Minute Volume .....OFF, 0.1 to 99.9 L High Breath Rate .....OFF, 3 to 150 bpm Apnea Interval.....10 to 60 sec High PEEP .....PEEP + 15 cmH <sub>2</sub> O No Flow Sensor Loss of O <sub>2</sub>
Advanced Features	FiO <sub>2</sub> Monitoring, Full-color Graphics, Trends, MIP/NIF
Battery Power	3 hours of ventilator operation from the Standard Internal Battery 6 hours of ventilator operation from the Optional Internal Battery
Electrical / Pneumatic	Electrical A/C .....100, 120, 230, 240 VAC, 47 to 65 Hz O <sub>2</sub> .....40 to 85 psig (2.8 to 5.9 bar)
Size	Weight .....38 lb (17.2 kg) Dimensions .....13"w x 12"h x 14.5"d (33.0 cm X 30.5 cm X 36.8 cm)

Specifications are subject to change without notice.



Vela Ventilator

L1535 Rev. C 12.02



1100 Bird Center Drive, Palm Springs, CA 92262  
760-778-7200, 800-328-4139, Fax 760-778-7274

Rembrandtlaan 1b, 3723 BG Bilthoven  
P.O. Box 299, 3720 AG Bilthoven, The Netherlands  
31-30-2289-711, Fax 31-30-2286-244

[www.ViasysCriticalCare.com](http://www.ViasysCriticalCare.com)

## Excellence for Life

VIASYS Healthcare Inc. is committed to becoming a world-class health care company focused on respiratory, neuro-care and medical/surgical technologies. Our stakeholders include the care providers and their patients, our investors and employees. We must invest in technologies that anticipate and continually meet the needs of our customers and their patients, building upon our existing product leadership. Our commitment to excellence for life underscores everything we do: industry leadership in R&D, the highest quality products, an outstanding company-wide environment for our employees, and a commitment to creating shareholder value.



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Vela Ventilator





# Vela™ Ventilator

## UNCOMPROMISING PERFORMANCE

Patented turbine technology for optimized response times and impressive flow and pressure capabilities provide you with the power to support your most challenging patients.

Improved patient-ventilator synchrony and low work of breathing are possible through highly responsive inspiratory flow support.

Vela's reliable, robust platform, including proven turbine performance means reduced downtime and low operating costs.

A patented exhalation valve, driven by a linear-actuated voice coil, Bicare® sensor technology and proven algorithms provide consistently accurate volume delivery. Precise monitoring is essential for clinical effectiveness and patient safety.

Vela's two-hour internal battery and turbine technology provide independence from compressors and wall air for the ultimate in mobility and uninterrupted ventilatory support.

Vela provides you with the flexibility and safety that you demand. Impressive standard features include a high pressure oxygen inlet with blender, a low pressure oxygen inlet with accumulator, integrated FiO<sub>2</sub> monitoring and continuous display of delivered FiO<sub>2</sub> with high and low alarm settings.

## INTUITIVE USER INTERFACE

Ease of use promotes clinical effectiveness and patient safety.

A 10.4-inch active matrix full color touch screen gives consistent, rapid access to physiologic data and current ventilator status.

Screen displays are organized for easy and logical access. Clinicians see the essential controls for the selected mode. Inactive controls are not displayed until needed.

## CONNECTIVITY

Vela provides the information you need, when you need it. Standard features include a parallel printer port, VGA output, a nurse call port for remote alarm capability and data output port for graphic and information systems.

## FLEXIBILITY AND A SOUND INVESTMENT FOR THE FUTURE

Vela offers a full range of ventilation choices, the performance to support your challenging patients and the flexibility to add valuable options to suit the needs of your changing practice today and into the future.

Vela. Proof positive that great things do come in small packages.

For more information or for a demonstration of all that Vela has to offer, please contact your VIASYS Healthcare Critical Care representative today.

# PROOF POSITIVE THAT GREAT THINGS DO COME IN SMALL PACKAGES.

