

Ventilation Versatility in One Compact Unit

In busy hospitals where versatility is critical, the VELA ventilator series provides a comprehensive range of modalities for pediatric and adult patients requiring either invasive or noninvasive ventilatory support. Whether ventilatory support is initiated in the emergency room or intensive care, the VELA ventilator has the flexibility and mobility to move easily with the patient throughout the hospital, providing uninterrupted care.

Uncompromising Performance

- Performs multiple applications in multiple locations, from critical care, acute, sub acute and emergency room settings.
- Reduces the need for multiple platforms.
- Intuitive user interface promotes ease of use.
- Improved patient – ventilator synchrony and low work of breathing are possible through highly responsive inspiratory flow support.
- Patented turbine technology for optimized response times and impressive flow and pressure capabilities to support your most challenging patient
- VELA's reliable, robust platform, including proven turbine performance means reduced downtime and low operating costs.

Comprehensive Treatment Options

- Pediatric through adult applications
- Comprehensive invasive modalities with advanced settings to treat the most difficult to ventilate patient
- Multiple noninvasive modes with automatic leak compensation to provide more ventilation support options.



VIASYS Healthcare seeks to improve patient care by delivering innovative, high quality respiratory products and services to patients and clinicians worldwide. VIASYS exceeds the expectations of customers by providing the highest standards in customer care. VIASYS shapes the future of medical technology through collaborative investigation and development of advanced technologies, providing continued support for clinical research and education.

Product Areas

-  Ventilation
-  Pulmonary Diagnostics
-  Sleep Medicine
-  Spirometry
-  CPET/Nutritional Assessment

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VELA[®]

pediatric • adult

Ventilation Versatility in One Compact Unit



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All You Need in One



Noninvasive ventilation treatment options

- Dual limb noninvasive ventilation eliminates CO₂ and rebreathing of exhaled gases
- Automatic leak compensation for better patient-interface management
- Comprehensive noninvasive modes including spontaneous and timed modes
- Apnea back up ventilation with user selectable breath type
- Enhanced patient safety with accurate FiO₂ delivery and monitoring
- Integrated alarm package for patient safety
- Mobile unit allowing patients to stay on NIV therapy during transport.



Unprecedented mobility

- Internal battery capacity of 6 hours for greater mobility
- Operates independent from air sources for greater flexibility
- Accessory options for easy transportation
- Integrated FiO₂ monitoring and alarms
- High pressure oxygen inlet with blender
- Low pressure oxygen inlet with accumulator



Conventional ventilation therapy

- Comprehensive invasive modalities and advanced settings to ventilate the most difficult patient
- All inclusive graphic package
- Organized screen displays with color coding for easy and logical access
- 24hr patient monitor trended data
- Compatible with speaking valves



Complete Trended Data

An intelligent and scalable display organizes the minute by minute accumulated data into trended histograms and table. Trending capabilities extend to all monitored parameters.



Dedicated Monitoring Screen

Configurable monitoring screen allows you to match your critical care documentation.



Communications

Ready today and prepared for the future with an extensive communications package, VELA offers a selection of protocols compatible with many patient monitoring and hospital information systems. A VGA output for training and a parallel port for printing complete the package.

Mode

Visual display of current mode and access modes of operation available for complete flexibility in patient care

Main

Access additional menus easily from the main screen

Alarm Message Window

Alarm messages are displayed visually with audible sound when active according to priority.

User Selectable Patient Monitor Values

5 monitored parameters selectable from 16 options are displayed continuously on main screen

Main Screen

An active matrix, full color LCD touch screen features scaleable graphic displays.

Ventilation Settings

Ventilator settings are displayed on all screens.

Nebulizer

Synchronized on inspiration. Nebulization time can be set in increments of 1 minute for up to a maximum of 60 minutes



Intuitive Operation

The Simple Touch user interface, used in both AVEA and VELA ventilators, reduce training time, produces consistency in method and enhances clinician confidence with a ventilator