



The **Carefusion Viasys Vela Ventilator** is a full-function and noninvasive positive pressure ventilator (NPPV) that provides high-performance tools to support patients throughout the continuum of care. Available as three models, the VELA ventilator offers a variety of features that can be customized to your specific ventilation needs. Also enabling analytics, the ventilator helps you support operational improvements and enhance patient care.

Features

- Compressor free technology, allowing uninterrupted ventilation.
- A broad range of operating modes including Assist/Control, SIMV, and CPAP.
- Volume Control, PRVC, APRV Bi-Phasic, Pressure Control, and Pressure Support Ventilation.
- Apnea Backup ventilation in SIMV and CPAP/PSV.
- Revolutionary user interface for easy operation and extensive monitoring capabilities.
- All models have integrated graphics. Comprehensive model includes Loops and Trends.
- The Vela has both high pressure oxygen inlet with blender and low flow oxygen inlet with accumulator.



Specifications

Physical Specifications

Weight: 25 g (78 g with standard cable and connectors)
Size: 33 mm x 43 mm x 23 mm. Cable length: 3 m

CO₂ Measurement

CO₂ Measurement range: 0 – 150 mmHg (0 to 20 kPa)

CO₂ Measurement Accuracy:

- +/- 2 mmHg for 0 to 40 mmHg
- +/- 5% of reading for 41 to 70 mmHg
- +/-8% of reading for 71 to 100 mmHg
- +/- 10% of reading for 101 to 150 mmHg

CO₂ Resolution: 1 mmHg

CO₂ Stability: < 0.8 mmHg over four hours

Airway Adaptors

Adult/Pediatric:

- Single Patient Use: For use with endotracheal tube greater than 4 mm ID
- Dead space: 5 mL
- Weight: 7.7 g
- Color: Clear

Adult/Pediatric:

- Reusable: For use with endotracheal tube greater than 4mm ID
- Dead space: 5 mL
- Weight: 12 g
- Color: Black

Electrical

Voltage Range: (100 to 240 V AC)

Frequency Range: 50 to 60 Hz

The ventilator can also operate from a 48 VDC power source (internal battery)

