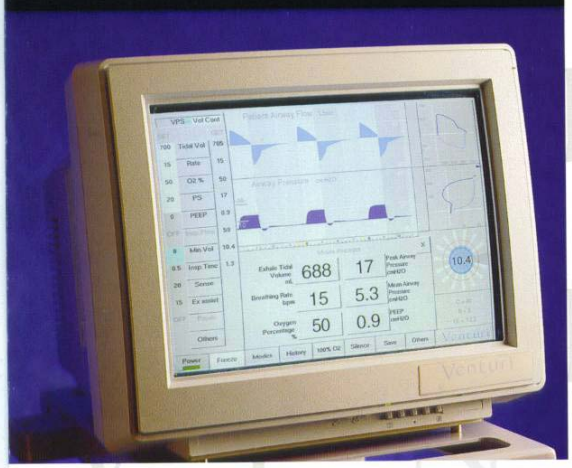
VENTURI™



Improved Patient-Ventilator Interaction

Patient-focused "Smart" Software

Exhalation Assist - Total Breath Control

Variable Pressure Support

Promotes Spontaneous Breathing

Advanced Monitoring

Pressure-sensitive Touchscreen

Patient Simulator

Data Management

Portability with Full Pneumatic and Electrical Capabilities

Integrated Breathing Circuit, Humidifier, and Reservoir

Venturi - The New Generation Of Ventilator Technology

The Venturi ventilator from Cardiopulmonary Corp. meets today's clinical challenges and is designed to elevate standards of ventilatory care. This system combines proven technologies with advanced engineering, patient-focused "smart" software, and innovative pneumatics to make it unique among ventilators. The system's exclusive combination of features provides significant performance advantages that ensure safe, cost-effective management of adult and pediatric ventilation.

In addition to providing conventional modes of therapy, the Venturi's "smart" software optimizes and combines modes to improve dynamic interaction between patient demand and ventilator response. This results in potentially shortened weaning times and a decrease in the need for clinical intervention.

The Venturi ventilator offers numerous advanced clinical features, including:

"Smart" Software

The Venturi software's multi-level access offers a broad range of choices for the clinician. The Venturi permits

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flexible mode structuring with the combination of proven modes of ventilation. Once an appropriate mode is chosen, the Venturi's software continuously adapts to automatically remain in tune with the patient's changing breathing demands.

Total Breath Phase Control

The pneumatic drive mechanism of the Venturi's breath phase control system is a bidirectional *venturi* driven by a single proportional valve. This unique, patented design allows control of both the inspiratory and expiratory phases of the breath. The inspiratory phase uses a clinician-adjustable selected volume trigger to initiate a breath. In the expiratory phase, exhalation assistance helps the patient overcome airway resistance and achieve a more rapid and complete exhalation.

Variable Pressure Support

The Venturi allows the clinician to select a variable range of pressure support. Once variable pressure support is set, the Venturi monitors the tidal volume and seeks the lowest pressure within the selected range to achieve the targeted tidal volume.

Advanced Monitoring

To offer the clinician flexibility in the control of ventilation and the monitoring of patient response, the Venturi incorporates an active, full color, integrated graphics display and pressure-sensitive touchscreen that depicts the patient's respiratory status. The Venturi displays a comprehensive set of widely used and clinically established respiratory parameters and waveforms. Standard waveforms depicting primary respiratory mechanics, such as pressure, volume, and flow are displayed. Also shown are selected secondary data, such as continuous flow-volume and pressure-volume waveforms.

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