We Put a New *i* In *i*Vent

Introducing the *i*Vent$_{201}$ MR*i**

In VersaMed's continuing commitment to providing cutting edge products to be used throughout the spectrum of care, we created the first full featured, transportable, MRI compatible, critical care, invasive and non-invasive ventilator available.

The *i*Vent201 is revolutionizing the way of providing ventilatory support to critically ill patients whether they are in the MRI suite or not! With the advanced features of the *i*Vent201 … Adaptive Flow™, Adaptive *i*-Time™ and Easy Exhale, your patients will be comfortable throughout the trip from ICU to the MRI suite or anywhere they need to go. With its comprehensive list of standard features, competitive pricing and unlimited upgradeability, and now MRI compatibility the *i*Vent201 is now, without a doubt, the most versatile ICU class ventilator on the market.

VersaMed

Cat. No. 350D0116-A0 Rev: 1

Specifications

Basic Description

Electrically Powered, Computer Controlled Ventilator
Control Principle: Closed Loop Flow & Pressure Controller
Ventilation Modes:
- Assist Control (A/C):
  - Volume Controlled A/C • Pressure Controlled A/C*
- Synchronized Intermittent Mandatory Ventilation (SIMV):
  - Volume Controlled SIMV • Pressure Controlled SIMV*
- Adaptive Bi-Level
- Continuous Positive Airway Pressure (CPAP)
- Pressure Support Ventilation (PSV)

Special Modes of Operation:

Preset Parameters by Patient Weight	Sigh Breath
Adaptive Flow™	Adjustable Rise Time
Adaptive Time™	Easy Exhale™
Backup Apnea Ventilation	100% O_2 Suction

Ventilation Performance and Controlled Parameters

Respiratory Rate	1 to 80 BPM
Tidal Volume	50 to 2,000 ml
Inspiratory Pressure Limit	5 to 80 cm H_2O
Inspiratory Time	Adaptive Time™, or 0.2 to 3 seconds
Peak Flow	Adaptive Flow™ or 1 to 120L/min Spontaneous up to 180 L/min
Oxygen Mix (FIO2)	*21% to 100%
PEEP	0 to 40 cm H2O
Trigger Sensitivity	1 to 20 L/min Flow Sensitivity + off –0.5 to –20 cm H2O Pressure Sensitivity + off
PSV	0 to 60 cm H2O
Positive Pressure Relief Valve	80 cm H2O

Monitoring and Displayed Parameters

Airway Pressure (analog bar graph & numerical)
Total Breath Rate
I:E Ratio
Exhaled Tidal Volume
Exhaled Minute Volume
Peak Flow
Inspiratory Time
Electrical Power Source (external / internal)
Battery Level
Pressure, Flow and Volume Waveforms Software Package:*
- Real Time Pressure and Flow Waveforms
- Waveform History Browse
- Trending of Monitored Data

Respiratory Diagnostics Software Package:*
- Pressure, Flow and Volume Loops
- Lung Mechanics (C, R, MAP)

User Adjustable Alarms

Respiratory Rate (high / low)	Apnea (0 to 120 seconds)
Minute Volume (high / low)	FIO2 (high / low)
Pressure (high / low)	Leak (0 to 100%)
Low Vt (15%-85%)	

Additional Alarms and Indicators

Alarms:	Indicators:
Inverse I:E Ratio	Alarm Silence Icon & Timer
Low O2 Pressure	Breath Type Icon
AC Disconnect	Internal Battery Use
Low Battery	Date and Time
Over Temperature	Hour Meter
Service Notice	Battery Charge Level
Patient Disconnect	Need Calibration
Check Sensor	LED: On, Charge, Alarm
High PEEP	

Size and Weight

Dimensions:
Height 13" / 33 cm
Width 9.5" / 24 cm
Depth 10.3" / 26 cm
Screen 8.4" diagonal
Weight 15.4 lb / 7 kg (without battery)
Battery Weight 6.5 lb / 3 kg
Overall Weight 22 lb / 10 kg

Power Supply

External AC	100 to 240 V, 50 to 60 Hz, Max 2.0 A
External DC	12 to 15 V, Max 8.5 A
Internal Battery	Sealed Lead-Acid 12 V (7.8 Ah) (rechargeable)
Operating Time	Up to 2 hours (depending on ventilation parameters)

Oxygen (enrichment) Supply

High Pressure Supply	40 to 60 psi (2.8 to 4.2 bar)
Low Pressure	Max 80 L/min or 0.5 psi

External Interface

Remote Monitor (VGA)	DIN Keyboard Connector
RS-232 Serial Port, 9 Pin	RJ11 Remote Alarm Connector

Environmental Specifications

Operating Temperature	0 to 50° C / 32 to 120° F
Storage Temperature	–15 to 70° C / –4 to 140° F
Relative Humidity	15 to 95% at 30°C / 85°F
Water / Dust Resistance	IP54 (Splash Proof)
Atmospheric Pressure	430 to 825 mm Hg (15,000 feet)
Vibration	IEC 68-2-6 and IEC 68-2-34 MIL-STD-810E
Shock	IEC 68-2-27 (100g) MIL-STD-810E
Total External Sound Level	40-45 dBa at one meter

Standards and Safety Requirements

Meets the requirements of:
ASTM F1100-90
CSA C22.2 No. 601.1 / 601.2
IEC 60601-1
IEC 60601-1-2
EN 60601-2-12
EN 794-1 / 2 / 3
ISO 10651-1 / 2 / 3
UL 2601.1

*i*Vent201 Ventilator Systems

***i*Vent201 IC+AB (Intensive Care + Face Mask Ventilation in Adaptive Bi-level Mode):**
Modes: Pressure Control (A/C or SIMV), Volume Control (A/C or SIMV), CPAP/PSV, Adaptive Bi-Level (Face Mask Ventilation)
Software Packages Included: Pressure, Flow and Volume Waveforms, Trending and Respiratory Diagnostics
Internal Oxygen Mixer with Sensor, High and Low Pressure Oxygen

***i*Vent201 IC (Intensive Care):**
Modes: Pressure Control (A/C or SIMV), Volume Control (A/C or SIMV),CPAP/PSVSoftware Packages Included: Pressure, Flow and Volume Waveforms,Trending and Respiratory Diagnostics, Internal Oxygen Mixer with Sensor, High and Low Pressure Oxygen

***i*Vent201 AB (Face Mask Ventilation in Adaptive Bi-Level Mode):**
Modes: Adaptive Bi-Level (Face Mask Ventilation), CPAP/PSVSoftware Packages Included: Pressure, Flow and Volume Waveforms,Trending and Respiratory Diagnostics, Internal Oxygen Mixer with Sensor, High and Low Pressure Oxygen

***i*Vent201 HC (Home Care):**
Modes: Volume Control (A/C or SIMV), CPAP/PSV
Low Pressure Oxygen

VersaMed Inc.
2 Blue Hill Plaza
Pearl River, NY USA 10965
t.1.800.475.9239
f.1.845.818.3665
www.versamed.com
info@versamed.com

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