Adaptive Bi-Level™
Ventilation with leak compensation.

iVent™ 201 Bi-Level

What makes GE Healthcare's Adaptive Bi-Level ventilator so adaptive?

It incorporates the entire recommended feature set for NIV automatic leak compensation – up to 40 lpm – for better patient synchrony. Built-in oxygen blender for precise oxygen delivery. Waveform display providing visual feedback on patient condition. No CO₂ rebreathing with variable leaks. SPO₂ monitoring helps ensure adequate oxygenation. Alarms tailored to NIV. Portability in an oxygen conserving design. True tidal volume measurement. These features are found together in a transportable, MR conditional ventilator that is capable of acute care support and is well suited to your needs.

Two-in-One Upgrade
The iVent 201 software-based platform can be easily upgraded so it is able to offer the most up-to-date features today and in the future.

Transportability
Weighing under 25 lbs (11.3 kg), the iVent 201, with its self-contained turbine and standard or optional extended internal battery, is an exceptional, transportable non-invasive ventilator.

Patient Comfort
The iVent 201 Adaptive Bi-Level feature is designed to help improve patient comfort during mask ventilation. Adjustable rise time control and termination of the breath based on flow or i-Time™ helps improve patient comfort/synchrony. Finally, Easy Exhale™ helps minimize the exhalation work of breathing, maximizing patient comfort and the efficacy of non-invasive ventilation.

Versatility
The iVent 201 can be tailored for multiple applications from the ER to the ICU, and anywhere in between, through a simple change in software. Upgrade it, custom configure it, whatever the needs, the iVent can help meet those challenges.

Ease of Use
The iVent 201 provides a single solution for both invasive and non-invasive ventilation, and by utilizing the same circuit and ventilator, the task of transferring a patient between face mask and invasive ventilation becomes much easier should they fail to stabilize.

Adaptive Bi-level is a pressure control mode of ventilation with a user defined backup rate and additional termination criteria for superior patient comfort. These capabilities allow ventilation in the presence of variable leaks such as that seen with mask ventilation or cuffless tubes.
### Adaptive Bi-Level Performance and Controlled Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory rate</td>
<td>1 to 80 bpm</td>
</tr>
<tr>
<td>IPAP</td>
<td></td>
</tr>
<tr>
<td>EPAP</td>
<td></td>
</tr>
<tr>
<td>Inspiratory time</td>
<td>0.2 to 3.0 sec</td>
</tr>
<tr>
<td>Esens</td>
<td>10 to 90%</td>
</tr>
<tr>
<td>Rise time</td>
<td>0.1 to 1.5 sec</td>
</tr>
<tr>
<td>Peak flow</td>
<td>Adaptive Flow or 1 to 120 lpm</td>
</tr>
<tr>
<td>Oxygen (FiO₂)</td>
<td>21 to 100%</td>
</tr>
<tr>
<td>Pressure trigger</td>
<td>-0.5 to -20 cm H₂O</td>
</tr>
<tr>
<td>Flow trigger</td>
<td>1 to 20 L/min</td>
</tr>
<tr>
<td>Synchronized nebulizer</td>
<td>5 to 240 min</td>
</tr>
</tbody>
</table>

### Adaptive Bi-Level Monitoring and Displayed Parameters

- Airway pressure (analog bar graph & numerical PIP)
- Total breath rate
- Estimated exhaled tidal volume
- Estimated leak in percentage
- IPAP
- EPAP
- Inspiratory time
- Respiratory rate (high/low)
- Minute volume (high/low)
- Pressure (high/low)
- SPO₂ (high/low)
- HR (high/low)
- Apnea (0 to 120 sec)
- FIO₂ (high/low)
- Leak (0 to 100%/off)
- I:E ratio
- Minute volume
- Real-time pressure and flow waveforms
- Trending
- Breath-by-breath browse feature
- Respiratory mechanics
- SPO₂
- Rise time
- Peak flow
- IPAP
- EPAP
- Inspiratory time

### Power Supply

- **External AC:** 100 to 240 V, 50 to 60 Hz, Max 1.6 A
- **External DC:** 12 to 15 V (optional: 10 to 30 V), Max 8.5 A
- **Internal battery:** Sealed lead-acid 12 V (7.8 Ah) (rechargeable)
- **Operating time:** Depending on ventilator settings and impedance – standard internal up to 2 hours, optional extended internal up to 4 hours, and optional external up to 8 hours.

### Oxygen (Enrichment) Supply

- **High pressure supply:** 40 to 75 psi (2.8 to 5.1 bar)
- **Low pressure:** Max 15 L/min or 0.5 psi

### External Interface

- Remote monitor (VGA)
- RS-232 serial port
- Remote alarm connector

### Standards and Safety Requirements

Meets the requirements of:
- ASTM F1100-90
- ASTM F1246-91
- 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 60601-1

### Size and Weight

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>13”/33 cm</td>
</tr>
<tr>
<td>Width</td>
<td>9.5”/24 cm</td>
</tr>
<tr>
<td>Depth</td>
<td>10.3”/26 cm</td>
</tr>
<tr>
<td>Screen</td>
<td>8.4” diagonal</td>
</tr>
<tr>
<td>Weight (without battery)</td>
<td>18.3 lb/8.3 kg</td>
</tr>
<tr>
<td>Battery weight</td>
<td>6.2 lb/2.8 kg</td>
</tr>
<tr>
<td>Overall weight (standard)</td>
<td>24.5 lb/11.1 kg</td>
</tr>
<tr>
<td>Overall weight (extended)</td>
<td>27.8 lb/12.6 kg</td>
</tr>
</tbody>
</table>

©2009 General Electric Company – All rights reserved.
GE and GE Monogram are trademarks of General Electric Company.
iVent, Easy Exhale, Adaptive Flow, Adaptive Bi-Level and Adaptive I-Time are trademarks of VersaMed, Inc.
General Electric Company reserves the right to make changes in specifications and features shown herein, or discontinue the product described at any time without notice or obligation. Contact your GE Representative for the most current information.
CAUTION: USA Federal law restricts this device to sale by or on the order of a licensed physician.