The GE Datex Ohmeda Aestiva 5 is an anesthesia machine that has an integrated breathing circuit. This helps simplify cable management, improve patient safety, and keep components protected from damage or disconnection. The GE Datex Ohmeda Aestiva 5 has smart sensors and switches that provide uninterrupted communication between the breathing circuit and the SmartVent ventilator.

Features

- The Aestiva 5 offers a unique combination of quality performance and cost-control.
- With the 7100 ventilator, the Aestiva 5 provides a wide range of capabilities including optimal tidal volume compensation, and integration volume and oxygen monitoring.
- Patient centered engineering and clinician-oriented efficiency.
- 2 or 3 vaporizer configurations.
## Specifications

### Dimensions (2 Vaporizers)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>53.4&quot; (135.8 cm)</td>
</tr>
<tr>
<td>Width</td>
<td>29.5&quot; (75 cm)</td>
</tr>
<tr>
<td>Depth</td>
<td>32.7&quot; (83 cm)</td>
</tr>
<tr>
<td>Weight</td>
<td>300 lbs (136 kg)</td>
</tr>
</tbody>
</table>

### Dimensions (3 Vaporizers)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>53.4&quot; (135.8 cm)</td>
</tr>
<tr>
<td>Width</td>
<td>36.6&quot; (93 cm)</td>
</tr>
<tr>
<td>Depth</td>
<td>32.7&quot; (83 cm)</td>
</tr>
<tr>
<td>Weight</td>
<td>340 lbs (154 kg)</td>
</tr>
</tbody>
</table>

### Work Surface

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>34.5&quot; (87.5 cm)</td>
</tr>
<tr>
<td>Width</td>
<td>18.5&quot; (47 cm)</td>
</tr>
<tr>
<td>Depth</td>
<td>12.4&quot; (31.5 cm)</td>
</tr>
</tbody>
</table>

### Modes of Ventilation

- **Volume Control Mode**: With tidal volume compensation
- **Pressure Mode**: (optional)

### Ventilation Parameters

- **Tidal volume range**: 45 to 1500 mL
- **Incremental Settings**: 45 to 100 mL (increments of 5 mL); 100 to 300 mL (increments of 10 mL); 300 to 1000 mL (increments of 25 mL); 1000 to 1500 mL (increments of 50 mL)
- **Pressure (PInspired) Range**: 5 to 50 cm H2O (increments of 1 cm H2O) (Pressure mode)
- **Rate**: 4 to 65 breaths per minute (increments of 1 breath per minute)
- **Inspiratory/Expiratory Ratio**: 2:1 to 1:6 (increments of 0.5)
- **Inspiratory Pause Adjust**: 5% to 60% of inspiratory time (increments of 5%)

### Positive End Expiratory Pressure (PEEP)

- **Type**: Integrated, electronically controlled
- **Range**: OFF, 4 to 30 cm H2O (increments of 1 cm H2O)

### Ventilator Monitored Values

- **Tidal volume**: 5 to 1500 mL, 1 mL resolution
- **Minute volume**: 0 to 99.9 L/min, 0.1 L/min resolution
- **Breathing rate**: 0 to 65 breaths per minute, 1 breath per minute resolution
- **Oxygen Percentage**: 5% to 110%, 1% resolution
- **Airway pressure**: -9 to 99 cm H2O, 1 cm H2O resolution
# GE Datex Ohmeda Aestiva 5
## Anesthesia Machine

### Delivery/Monitoring Accuracy

**Volume delivery:**
- > 200 mL = better than ±10% Set TV; 75 to 200 mL = better than ±20 mL; < 75 mL = better than ±15 mL

**Pressure (Pinspired) Delivery Repeatability:** ±2 cm H2O

**PEEP Delivery Repeatability:** ±2 cm H2O

**Volume Monitoring:**
- > 200 mL = better than ±10%; 75 to 200 mL = better than ±20 mL; < 75 mL = better than ±15 mL

**Pressure Monitoring:** Better than ±2 cm H2O or ±5% of reading (whichever is greater)

### Delivery

**Vaporizers:** Tec 5, Tec 6 Plus, Tec 7

**Number of Positions:** 2 or 3

**Mounting:** Tool-free installation Selectatec manifold interlocks and isolates vaporizers

### Ventilator Pneumatics

**Pressure Range at Inlet:** 240 kPa to 700 kPa/35 psig to 100 psig

**Peak Gas Flow:** 70 L/min + fresh gas flow

**Flow range:** 2 to 70 L/min

**Flow Compensation Range:** 200 mL/min to 15 L/min

### Battery Back-up

**Backup power:** Demonstrated battery time under typical operating conditions is 90+ minutes when fully charged. Battery time under extreme conditions is 30 minutes.

**Battery type:** Internal rechargeable sealed lead acid