



The **GE Datex Ohmeda Aestiva 5** is an anesthesia machine with an integrated breathing circuit, which can provide intensive care ventilation. The Aestia 5 is a flexible system, allowing you to customize the anesthesia and ventilation flow. The machine comes in two options for ventilation, the 7100 or the 7900 SmartVent giving you a higher level of control. The anesthesia machine can safely produce low-flow anesthesia and can reduce the number of anesthetic agents. This allows the system to provide consistent delivery of measurements such as tidal volume and gas flow. The Datex Ohmeda system additionally offers a few varieties of vaporizer configurations ranging from two or three connections. The anesthesia machine also comes in a compact version, Aestiva 5 Compact , and a version for MRI Use, the Aestiva 5 MRI . The Aestiva 5 allows for a wide range of ventilation for patients from pediatrics to adults. The GE Datex Ohmeda Anesthesia 5.

Features

- Advance breathing system with ventilation
- Ventilation options: 7100 and 7900 SmartVent
- 2 or 3 vaporizer configurations
- Optional Vaporizers: Tec 5, Tec, 6, Tec 7
- Customizable drawers and shelves
- Dual Air Flow tube for low flow
- Built-in machine diagnostics



Specifications

Dimensions (2 Vaporizers)

Height: 53.4" (135.8 cm)
Width: 29.5" (75 cm)
Depth: 32.7" (83 cm)
Weight: 300 lbs (136 kg)

Dimensions (3 Vaporizers)

Height: 53.4" (135.8 cm)
Width: 36.6" (93 cm)
Depth: 32.7" (83 cm)
Weight: 340 lbs (154 kg)

Work Surface

Height: 34.5" (87.5 cm)
Width: 18.5" (47 cm)
Depth: 12.4" (31.5 cm)

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 (P_Inspired) 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

Delivery/Monitoring Accuracy

Volume delivery: > 200 mL = better than $\pm 10\%$ Set TV; 75 to 200 mL = better than ± 20 mL; < 75 mL = better than ± 15 mL
Pressure (P_Inspired) Delivery Repeatability: ± 2 cm H₂O
PEEP Delivery Repeatability: ± 2 cm H₂O
Volume Monitoring: > 200 mL = better than $\pm 10\%$; 75 to 200 mL = better than ± 20 mL; < 75 mL = better than ± 15 mL
Pressure Monitoring: Better than ± 2 cm H₂O or $\pm 5\%$ 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