

GE SmartVent 7900

Anesthesia Ventilator

Optimizing your patient's ventilation

The GE SmartVent 7900 is a microprocessor-controlled ventilator with internal monitors for inspired oxygen, airway pressure, and exhaled volume. The 7900 provides both volume and pressure control. This ventilator allows for automatic compensation of compression losses, changes in fresh gas concentration, and small leaks within the absorber and bellows with the unique SmartVent™ tidal volume compensation system.

FEATURES

- › Bundled as an optional feature to the Aestiva 5
- › Adjustable flow trigger provides automatic breathing synchronization
- › Pressure support provided in combination with the SIMV mode
- › Volume and Pressure modes with electronic PEEP
- › Synced Intermittent Mandatory Ventilation (SIMV)
- › Direct access to ventilator parameter settings
- › Pressure Supported Ventilation (PSVPro) with Apnea backup mode
- › Smart alarms direct user to specific problems and affected parameters
- › Ideal for spontaneously breathing patients
- › Full patient range capability



SPECIFICATIONS



Weight:
15 kg / 33 lbs



Height:
15 cm / 5.9 in

Width:
25 cm / 9.8 in

Depth:
38 cm / 15 in



Power Input:
110/120 Va-c 10%, 50/60 Hz;
220/240 Va-c 10%, 50/60 Hz;
54.5 Watts

Backup Battery:
Internal rechargeable
battery - 30 min



Gas Source:
Anesthesia system

Gas Composition:
Medical air or oxygen

Nominal Supply Pressure:
350 kPa/50 psig

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

Peak Gas Flow:
120 L/min at 240 kPa/35 psig,
0.75 seconds

Continuous Gas Flow:
80 L/min at 240 kPa/35 psig

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SIMV

- › Automatic synchronization with mandatory breaths
- › Adjustable respiratory rate from 2-60bpm
- › Assured rate and tidal volume for minimum minute ventilation
- › Adjustable trigger window to allow fine-tuning to the patient's breathing pattern
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PSVPro

- › Helps decrease patient's work of breathing
- › CPAP capability
- › Supports spontaneous breaths
- › Decelerating flow pattern
- › Adjustable inspiration termination to fine-tune to the patient's breathing pattern
- › Automatic apnea backup mode
- › Available to be used with most LMAs

SPECIFICATIONS



Flow Valve Range:
1 to 120 L/min at 35 psig

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

Gas Composition:
O₂, N₂O, N₂, Air, Heliox,
CO₂, anesthetic agents



Volume Delivery:
±7% or 11 mL

Pressure Delivery:
±10% or ±3 cm H₂O

Volume Monitoring:
±9% or 9 mL

Pressure Monitoring:
±5% or ±2 cm H₂O