

# SIEMENS® SERVO 300 VENTILATOR



- Adult/Infant Ventilator
- Supported and controlled ventilation modes
- Customized respiratory patterns
- Context sensitive controls

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## Specifications

<b>Front Panel Controls</b>	Patient type (adult, pediatric, neonate); mode of ventilation; pressure or flow triggering; pressure limit; baseline pressure; minute volume; ventilator frequency; start breath; pause hold; inspiratory time (%); inspiratory pause time (%); rise time of inspiratory pressure; FIO <sub>2</sub> ; deliver present group of 100% oxygen breaths.
<b>Power Requirements</b>	Electrical power: 115 VAC, 60 Hz; pneumatic power: air and oxygen at 29 to 100 psig.
<b>Alarm Controls</b>	Airway pressure: pressure > upper limit or set PEEP level plus 15 cmH <sub>2</sub> O for more than 15 seconds; O <sub>2</sub> concentration: FIO <sub>2</sub> above or below 6% of set alarm value or if the oxygen fuel cell is not connected; expired minute volume alarm: minute volume > set value or < 0.3 L/min for adults and children or 0.06 L/min for neonates.
<b>Non-Adjustable Alarms</b>	Battery: main electric power has failed and the ventilator has switched to battery backup; gas supply: gas pressure < 29 psig or > 94 psig; apnea: time between breaths > 10 seconds for adults, 15 seconds for children, or 20 seconds for neonates.
<b>Monitored Variables</b>	Pressure: peak, mean, pause, baseline, and an analog bar graph of instantaneous airway pressure; respiratory rate; tidal volume: inspired and expired; and minute volume.
<b>Waveforms</b>	Pressure: rectangular, adjustable slope; Flow: rectangular, adjustable slope.
<b>Operating Range of Controls</b>	Trigger sensitivity level: pressure – 0 to 20 cmH <sub>2</sub> O below PEEP, flow- 0.6 to 2.0 L/min adult, 0.3-1.0 L/min pediatric, 0.15 to 0.5 L/min neonate. CMV frequency: 0.5 to 40

	breaths/min. Pressure control levels below PEEP: 0 to 100 mmH <sub>2</sub> O. Pressure support level above PEEP: 0 to 100 H <sub>2</sub> O. Pause time: 0% to 30%. Minute volume: 0.2 to 60 L/min. Inspiratory time: 10% to 80% of the ventilatory period. Baseline pressure: 0 to 50 cmH <sub>2</sub> O.
<b>Triggering</b>	Pressure, flow, time, manual
<b>Graphic Display</b>	Red digital display
<b>Power</b>	AC 110V/60Hz
<b>Pressure Controlled Modes</b>	Pressure control; pressure support; SIMV, pressure regulated; volume control; volume support, and CPAP
<b>Flow Controlled Modes</b>	Volume control; SIMV, pressure support.
<b>Dimensions</b>	Patient unit: 242 mm W x 370 mm D x 240 mm H. Control unit: 431 mm W x 150 mm D x 325 mm H.
<b>Weight</b>	~26kg