Siemens Servo Ventilator 900C

The unique ventilator designed for intensive care, anesthesia and patient transportation, for infants through adults

For Quality Pre-owned units with warranty Contact:

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The technical data given in this publication are for general information and are subject to change without notice.
General information
The Servo Ventilator 900C is an advanced electronic ventilator capable of treating the neonate as well as the adult patient.

Technical Specifications

General
Dimensions W 50 X D 23 X H 23 cm (basic dimensions)
Weight Approximately 19 Kg (42 lb)
Insp. flow pattern Constant or accelerating.
Compressible volume 0.075 I (internal)

Ventilation controls, control ranges
Working pressure Up to 120 cm H₂O

Modes
VOL.CONTR (Volume Controlled)
VOL. CONTR + SIGH (Volume Controlled with sigh)
PRESS.CONTR. (Pressure controlled)
PRESS.SUPPORT (Pressure Support)
SIMV (Synchronized Intermittent Mandatory Ventilation)
SIMV + PRESS. SUPPORT
CPAP (Continuous Positive Airway Pressure)
MAN (Manual ventilation: auxiliary equipment necessary)

Preset inspiratory minute volume 0.5-40 l/min. With sufficient working minute pressure
Respiratory rate 5-120 breaths/min
Inspiratory time 20, 25, 33, 50, 67 or 80 % of the respiratory cycle
Pause time 0, 5, 10, 20 or 30 % of the respiratory cycle
PEEP 0-50 cm H₂O
Upper Pressure limit 15-120 cm H₂O

Trig. Sensitivity -20.0 cm H₂O (below PEEP)
SIMV-rate HIGH RATE (4-40 SIMV breaths/min)
LOW RATE (0.4-40SIMV breaths/min)
Sigh Doubled tidal volume possible every 100 breaths

Special functions Inspiratory pause hold
Expiratory pause hold
Gas Change

Monitoring:
Analog presentation
Airway pressure Range -20-120 cm H₂O
Expired minute Adult range 0-40 l/min
Infants range 0-40 l/min

With the Servo Ventilator 900C, the patient can be treated according to eight different ventilation modes.

Digital presentation
Respiratory rate Range 5-120 breaths/min
O₂ concentration In % by volume: range 20-100%
Inspired tidal volume Range 0-1999 ml
Expired tidal volume Range 0-1999 ml
Expired minute Volume Adult range 0-40 l/min
Infants range 0-40 l/min
Peak pressure Range 0-120 cm H₂O
Pause pressure Range 0-120 cm H₂O
Mean airway pressure Range 0-120 cm H₂O

Alarms and indicators
Push button Audible signals, muted for 2 minutes (max)
Alarms Gas supply failure
Apnea Expired minute volume
O₂ Concentration
Upper Pressure limit
Mains power failure

Indicators
Set minute volume alarm
Set O₂ alarm
Pressure support
CPAP
MAN.
SIMV HIGH/LOW RATE
Expired minute volume
Infants
Patient trig

Gas and power supply
Gas Must fulfill specifications for medical gases
Gas consumption Approximately equal to inspiratory minute volume or equal to flowmeter setting
Gas supply via high pressure inlet
Electronic gas supply unit, inlet pressure
2.5-5 bar (250-500 kPa; 35-70 psi)
Other gas supply unit, inlet pressure
2.5-7 bar (250-700 kPa; 35-100 psi)
Gas supply via low pressure inlet
Via flowmeter(s)

Power Supply 220-240 V 50 or 60 Hz
Power Consumption Approximately 40 W