



The **Getinge Maquet Servo-s** ventilator features a wide range of ventilation modes that can be tailored to specific clinical situations. The Servo-s has a large intuitive user-interface that provides valuable decision support information. This Maquet ventilator has been designed for both shelf mounting and intrahospital transport with a mobile cart. It supports invasive and non-invasive ventilation with leakage compensation for non-invasive ventilation modes for all patient types.

Features

- Invasive and non-invasive ventilation with leakage compensation.
- User friendly user-interface.
- Rotary dial and direct access knobs for navigation.
- Designed for shelf mounting or intrahospital transport with a mobile cart.
- Quick inspiratory flow controller allows for reduced work of patient breathing.



Specifications

Dimensions

Height: 20.5" (52 cm)
Width: 15" (38 cm)
Depth: 11.8" (30 cm)
Weight: 44 lbs (20 kg)

Parameter Settings

Inspiratory tidal volume (ml): 100–2000
Inspiratory minute volume (l/min): 0.5–60
Apnea, time to alarm (s): 15–45
PC/PS above PEEP (cmH₂O): 0–(120 - PEEP)
PC/PS above PEEP in NIV (cmH₂O): 0–(62 - PEEP)
PEEP (cmH₂O): 0–50
PEEP in NIV (cmH₂O): 2–20
CMV frequency (breaths/min): 4–100
SIMV frequency (breaths/min): 1–60
Breath cycle time, SIMV (s): 1–15
P_{High} (cmH₂O): (PEEP + 1)–50
T_{High} (s): 0.2–30
T_{PEEP} (s): 0.1–10
O₂ concentration (%): 21–100
I:E ratio: 1:10–4:1
T_{Insp} (s): 0.1–5
T_{Pause} (% of breath cycle time): 0–30
Flow trigger sensitivity level: 0–10
Press. trigg sensitivity (cmH₂O): -20–0
Insp. rise time (% of breath cycle time): 0–20
Insp. rise time (s): 0–0.4
End inspiration (% of peak flow): 1–70
End inspiration in NIV (% of peak flow): 10–70
Oxygen Breaths: 100% for 1 minute
Start Breath: Initiation of 1 breath (In SIMV mode initiation of 1 mandatory breath)
Pause Hold: Insp. or exp (0–30 seconds)

Screen

Type: TFT-LCD module
Size: 12.1" (31 cm) diagonal
Viewing area: 9.7" x 7.3" (24.6 x 18.5 cm)



Specifications

Backup Parameter Settings

Inspiratory Tidal Volume (ml): 100–2000
PC Above PEEP (cmH₂O): 5–(120 - PEEP)
PC above PEEP in NIV (cmH₂ O): 5–(62 - PEEP)
CMV frequency (breaths/min): 4–100
I:E ratio: 1:10–4:1
T_{Insp} (s): 0.1–5

Power

Power Supply, Automatic Range Selection: 100–120 V AC ±10%, 50–60 Hz, or 220–240 V AC ±10%, 50–60 Hz
External 12 V DC: 12.0 V–15.0 V DC, 10 A
Battery Capacity: 2 rechargeable battery modules 12 V, 5 A, 3.5 Ah each
Battery Backup Time: At least 1 h with 2 fully charged batteries
Battery Recharge Time: Approximately 3h/battery
Max Power Consumption: At 100–120 V: 2 A, 190 VA, 140 W; At 220–240 V: 1 A, 190 VA, 140 W

Controlled Invasive Ventilation

PC (Pressure Control)
 VC (Volume Control)
 PRVC (Pressure Regulated Volume Control)
 Can be configured with alternative flow patterns: VC with flow adaptation; VC without flow adaptation; VC with decelerating flow

Supported Invasive Ventilation

PS/CPAP (Pressure Support / Continuous Positive Airway Pressure)

Combined Invasive Ventilation

SIMV (PC) + PS (Synchronized Intermittent Mandatory Ventilation)
 SIMV (VC) + PS
 SIMV (PRVC) + PS
 Bi-Vent/APRV (Airway Pressure Release Ventilation)

Non Invasive Ventilation

Leakage Compensation Level: Inspiratory, up to 200 l/min; Expiratory, up to 65 l/min
Leakage Overrange Detection: Automatic
Disconnect Detection: Automatic
Disconnect flow: Low; High; Disabled; Configurable 7.5 l/min; 40 l/min; Deactivates disconnect detection
Connect Detection: Manual, or automatic via bias flow

