

SERVO-i v8.0

Data sheet

MAQUET
GETINGE GROUP



SERVO-i ventilator family

SERVO-i v8.0

SERVO-i configurations

The SERVO-i[®] ventilator family consists of three configurations:

-  Infant
-  Adult
-  Universal

-  Standard configuration
-  Options
-  Not applicable

The SERVO-i ventilator family addresses the very different requirements of neonatal, pediatric and adult needs from a single ventilation platform. The SERVO-i family can also be upgraded with different options for future needs. The same ventilator can be used at the bedside, and in the MR-room* facilitating training, operation and maintenance, increasing efficiency and flexibility.

*An agreement with Maquet must be signed, see conditions in the SERVO-i MR declaration (Order no. 66 71 670).

			
NIV NAVA [®]			
NAVA [®]			
Nasal CPAP			
NIV PC			
NIV PS			
Y Sensor Measuring			
CO ₂ Analyzer			
Nebulizer			
Alarm output connection			
Heliox			
STRESS INDEX			
Open Lung Tool [®]			
Automode [®]			
Bi-Vent/APRV			
VS			
PRVC (incl. SIMV (PRVC) + PS)			
VC (incl. SIMV (VC) + PS)			
PC (incl. SIMV (PC) + PS)			
PS/CPAP			
All patient category software			

- Key to abbreviations
- NAVA Neurally Adjusted Ventilatory Assist
 - NIV Non-invasive ventilation
 - SIMV Synchronized Intermittent Mandatory Ventilation
 - PRVC Pressure Regulated Volume Control
 - VS Volume Support
 - VC Volume Control
 - PS Pressure Support
 - PC Pressure Control
 - CPAP Continuous Positive Airway Pressure

Technical specifications

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Intended use - general

<p>The SERVO-i ventilator system is:</p>	<ul style="list-style-type: none"> • Intended for treatment and monitoring of patients in the range of neonates, infants and adults with respiratory failure or respiratory insufficiency. • The added indications for use of the NAVA option is when the electrical signal from the brain to the diaphragm is intact; NAVA will improve synchrony between the ventilator and patients with no contraindication for insertion/exchange of a Naso-Gastric tube.
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Instructions for use	Please carefully read the user's manual
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Legal manufacturer	Maquet Critical Care AB
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Other products	See separate data sheets. Contact your local Maquet supplier for more information.
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The system - general

	The device complies with requirements and classification IIb of Medical Device Directive 93/42/EEC. CE Mark Notified Body number: 0123.
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Classification:	IEC 60601-1: 2005, Class I, continuous operation
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Standards:	<ul style="list-style-type: none"> • ISO 80601-2-12:2011 • ISO 80601-2-55:2011 • EN 13544-1:2007+A1:2009 • IEC 60601-1, Type B (base unit, nebulizer patient unit with cable and the gas path ways) • IEC 60601-1, Type BF (CO₂ analyzer) • IEC 60601-1, Type CF defibrillation proof (Edi catheter and cable)
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A-weighted sound pressure level (L _{pA})	<41 dB, measured at 1 m distance.
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IP classification	IP 21
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Electromagnetic compatibility (EMC):	According to limits specified in IEC 60601-1-2:2007.
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The 'EMC Declaration, Information to the Responsible Organization' is available from Maquet.

Patient range:	Weight:
<ul style="list-style-type: none"> • Adult, all ventilation modes: • Infant, invasive ventilation: • Infant, NAVA + NIV NAVA: • Infant, NIV PS+PC: • Infant, Nasal CPAP: 	<ul style="list-style-type: none"> 10 - 250 kg 0.5 - 30 kg 0.5 - 30 kg 3 - 30 kg 0.5 - 10 kg

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Operating conditions

Operating temperature:	+10 to +40°C
Relative humidity:	15 to 95% non-condensing
Atmospheric pressure:	660 to 1060 hPa
Lowest pressure in breathing system:	-400 cmH ₂ O

Non-operating conditions

Impact:	<ul style="list-style-type: none"> • Peak acceleration: 15 g. • Pulse duration: 6 ms. • Number of impacts: 1000.
Storage temperature:	-25 to +60° C (-13 to 140° F)
Storage relative humidity:	< 95%
Storage atmospheric pressure:	470 to 1060 hPa

Power supply

Power supply, automatic range selection: 100 – 120 V AC ±10%, 50 – 60 Hz, or 220 – 240 V AC ±10%, 50 – 60 Hz.

Plug-in battery module:

- Battery backup: Two battery modules are delivered with the ventilator. Up to six battery modules can be included.
- Battery capacity: Rechargeable, 12 V, 3.5 Ah each.
- Recharge time: Approximately 3 h/battery.
- Battery backup time: At least 3 h, when using six batteries.

External 12 V DC: 12.0 V – 15.0 V DC, 10 A

Max power consumption: At 100 – 120 V: 2 A, 190 VA, 140 W.
At 220 – 240 V: 1 A, 190 VA, 140 W.

Technical specifications

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The ventilator - general

Dimensions:	(See dimensional drawings page 15)
• User interface:	W 355 x D 53 x H 295 mm
• Patient unit:	W 300 x D 205 x H 415 mm
Weight:	Approximately 20 kg (Patient Unit 15 kg, User Interface 5 kg)
Method of triggering:	Flow, pressure and Edi (optional)
Max. operating pressure:	Approximately 115 cmH ₂ O
Bias flow:	
• Adult:	2 l/min
• Infant:	0.5 l/min

Gas supply

Inlet gas pressure Air/O ₂ :	200 – 600 kPa / 2.0 – 6.0 bar / 29 – 87 PSI
Connection standards available:	AGA, DISS, NIST, or French standard.
Unavailable gas/loss of gas pressure:	The flow from an unavailable gas (air or O ₂) is automatically compensated for so that the patient gets the preset volume and pressure.

Patient system gas connectors

Conical fittings:	Male 22 mm / female 15 mm. In accordance with ISO 5356-1.
Gas exhaust port:	Male 30 mm cone

User interface

Weight:	Approximately 5 kg
Attachment:	Can be attached to the mobile cart, a table, rail or pole (15 – 30 mm diameter).

Screen

Type:	TFT-LCD module
Size:	31 cm (12.1") diagonal
Viewing area:	246.0 x 184.5 mm

Inspiratory channel

Pressure drop:	Max. 6 cmH ₂ O at a flow of 1 l/s
Internal compressible factor:	Max. 0.1 ml/cmH ₂ O
Gas delivery system:	Microprocessor controlled valve
Inspiratory flow range:	
• Adult:	0 – 3.3 l/s
• Infant:	0 – 0.55 l/s

Expiratory channel

Pressure drop:	Max. 3 cmH ₂ O at a flow of 1 l/s
Internal compressible factor:	Max. 0.1 ml/cmH ₂ O
PEEP regulation:	Microprocessor controlled valve
Rise time, expiratory flow measurement:	<12 ms for 10 – 90 % response at flow of 0.05 – 3.2 l/s
Expiratory flow range:	0 to 3.2 l/s

Technical specifications

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Alarms	
Airway pressure (upper):	
• Adult, Invasive ventilation	16 – 120 cmH ₂ O
• Adult, Non-invasive ventilation	16 - 70 cmH ₂ O
• Infant, Invasive ventilation:	16 – 90 cmH ₂ O
• Infant, Non-invasive ventilation	16 - 70 cmH ₂ O
Expired minute volume (Upper alarm limit):	
• Adult:	0.5 – 60 l/min
• Infant:	0.01 – 30 l/min
Expired minute volume (Lower alarm limit):	
• Adult:	0.5 – 40 l/min
• Infant:	0.01 – 20 l/min
It is possible to permanently silence this alarm (an option with infant version only)	
No patient effort (Apnea) alarm	
• Adult:	15 – 45 s
• Infant	1 - 45 s
Automatic return to support mode on patient triggering	
No consistent patient effort:	Yes, described in User's manual
Respiratory frequency:	1 – 160 breaths/min
High end expiratory pressure:	0 – 55 cmH ₂ O
Low end expiratory pressure:	0 – 47 cmH ₂ O. Note. Setting the alarm to 0 (zero) is equal to alarm off.
High continuous pressure:	Obstruction leading to constant high airway pressure (>PEEP +15 cmH ₂ O) during: > 2 breaths or 5 seconds, whichever is greater, 15 ±1.5 s if less than 2 breaths are triggered
O ₂ concentration:	Set value ±5 vol% or ≤18 vol%
Gas supply:	Below 200 kPa / 2.0 bar / 29 PSI and above 600 kPa / 6.0 bar / 87 PSI

Alarms	
Battery:	<ul style="list-style-type: none"> Limited battery capacity: 10 min. No battery capacity: less than 3 min. Low battery voltage.
End-tidal CO ₂ (upper and lower limit):	<ul style="list-style-type: none"> 0.5 – 20%. 4 – 100 mm Hg. 0.5 – 14 kPa.
Leakage out of range in NIV:	Yes. Described in the User's manual.
Technical:	Yes. Described in the User's manual.
Autoset (alarm limits) specification:	Invasive ventilation, controlled modes only.
• High airway pressure:	Mean peak pressure +10 cmH ₂ O or at least 35 cmH ₂ O.
• Upper minute volume:	Expiratory minute volume + 50%.
• Lower minute volume:	Expiratory minute volume – 50%.
• Upper respiratory frequency:	Breathing frequency + 40%.
• Lower respiratory frequency:	Breathing frequency – 40%.
• High end expiratory pressure:	Mean end expiratory pressure + 5 cmH ₂ O.
• Low end expiratory pressure:	Mean end expiratory pressure – 3 cmH ₂ O.
• Upper end tidal carbon dioxide concentration (etCO ₂):	End tidal carbon dioxide concentration + 25%.
• Lower end tidal carbon dioxide concentration (etCO ₂):	End tidal carbon dioxide concentration – 25%.

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Ventilation modes – Invasive ventilation

Controlled ventilation:

- PC
- VC
 - VC with flow adaptation,
 - VC without flow adaptation,
 - VC with decelerating flow
- PRVC

Supported ventilation:

- PS/CPAP
- VS Optional with Infant and Adult

Combined ventilation:

- SIMV (VC) + PS: Comes with the corresponding controlled ventilation mode
- SIMV (PC) + PS: Comes with the corresponding controlled ventilation mode
- SIMV (PRVC) + PS Comes with the corresponding controlled ventilation mode
- Bi-Vent/APRV Pressure controlled ventilation on two independently adjustable levels, allowing unrestricted spontaneous breathing on both levels. (Optional with Infant and Adult)

Automode

- Control mode: VC <—>
Support mode: VS
- Control mode: PC <—>
Support mode: PS
- Control mode: PRVC <—>
Support mode: VS
- (Optional)

Ventilation modes – Non-invasive ventilation (optional)

NIV PC

NIV PS

Nasal CPAP

Ventilation modes - NAVA (optional)

NAVA

Neurally Adjusted Ventilatory Assist via endotracheal tube or tracheostomy

NIV NAVA

Neurally Adjusted Ventilatory Assist via non-invasive patient interfaces

Waveform and loop presentations

Real time waveforms - up to 4 waveforms can be displayed simultaneously:

- Pressure
- Flow
- Volume
- CO₂ Requires SERVO-i CO₂ Analyzer option
- Edi Requires SERVO-i NAVA option

Loops:

- Volume / Pressure* *A reference loop and three overlaying loops can be displayed.
- Flow / Volume* *Displayed simultaneously with Open Lung Tool graphical trends, if requested.

Technical specifications

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Monitoring	Displayed value	Trended value*
Breathing frequency:	Yes	Yes
Spontaneous breaths per minute (RRsp):	No	Yes
Peak airway pressure:	Yes	Yes
Mean airway pressure:	Yes	Yes
Pause airway pressure:	Yes	Yes
End expiratory pressure:	Yes	Yes
CPAP pressure:	Yes	Yes
Inspired tidal volume:	Yes	Yes
Expired tidal volume:	Yes	Yes
Inspired minute volume:	Yes	Yes
Expired minute volume:	Yes	Yes
Leakage fraction in NIV (%):	Yes	Yes
Ti/Ttot:	Yes	No
I:E ratio:	Yes	No
Total PEEP:	Yes	No
Edi peak:	Yes	Yes
Edi min:	Yes	Yes
Switch to backup (b/min)	No	Yes
Backup (%/min)	No	Yes
O ₂ concentration (measured):	Yes	Yes
CO ₂ end tidal concentration (etCO ₂):	Yes	Yes
CO ₂ minute elimination (CO ₂):	Yes	Yes
Tidal CO ₂ elimination (VTCO ₂):	Yes	Yes
MV _e sp / MV _e :	Yes	No
Spontaneous exp. minute volume (MV _e sp):	Yes	Yes
End expiratory flow:	Yes	Yes
Static compliance:	Yes	Yes
Dynamic compliance:	Yes	Yes

Monitoring	Displayed value	Trended value*
STRESS INDEX:	Yes	Yes
Inspiratory resistance:	Yes	Yes
Expiratory resistance:	Yes	Yes
Elastance:	Yes	Yes
Time constant:	Yes	No
P0.1:	Yes	Yes
Work of breathing patient:	Yes	Yes
Work of breathing ventilator	Yes	Yes
Shallow Breathing Index (SBI):	Yes	Yes
Supply pressure (O ₂ and air):	Yes	No
Battery remaining time:	Yes	No
Barometric pressure:	Yes	No

*Stored trend values for up to 24 hours

Log function	
Event log:	<ul style="list-style-type: none"> • Alarms. • Ventilator settings. • Apnea periods. • Immediate functions.
Service log:	<ul style="list-style-type: none"> • Technical alarms. • Test results. • Preventive maintenance. • Service history. • Configuration log.

Technical specifications

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Parameter settings	Setting range:	
Parameter:	Infant	Adult
Inspiratory tidal volume (ml):	2 – 350	100 – 4000
Inspiratory minute volume (l/min):	0.3 – 20	0.5 – 60
Apnea, time to alarm (s):	1 - 45	15 – 45
Automode trigger timeout (s):	3 – 15	7 – 12
PC/PS above PEEP (cmH ₂ O)	0 – (80 -PEEP)	0 – (120 -PEEP)
PC/PS above PEEP in NIV (cmH ₂ O)	0 - (62 - PEEP)	0 - (62 - PEEP)
PEEP (cmH ₂ O)	0 – 50	0 – 50
PEEP in NIV (cmH ₂ O)	2 – 20	2 – 20
CPAP pressure (cmH ₂ O):	2 – 20	–
CMV frequency (breaths/min):	4 – 150	4 – 150
SIMV frequency (breaths/min):	1 – 60	1 – 60
Breath cycle time, SIMV (s):	0.5 – 15	1 – 15
P _{High} (cmH ₂ O)	(PEEP + 1) – 50	(PEEP + 1) – 50
T _{High} (s):	0.2 - 30 s	0.2 - 30 s
T _{PEEP} (s):	0.1 - 10 s	0.1 - 10 s
PS above P _{High} (cmH ₂ O):	0 – (80 - P _{High})	0 – (120 - P _{High})
O ₂ concentration (%):	21 – 100	21 – 100
I:E ratio:	1:10 – 4:1	1:10 – 4:1
T _{Insp} (s):	0.1 – 5	0.1 – 5
NAVA level (cmH ₂ O/μV):	0 - 15	0 - 15
Edi trigger sensitivity (μV):	0.1 – 2.0	0.1 – 2.0
T _{Pause} (s):	0 – 1.5	0 – 1.5
T _{Pause} (% of breath cycle time):	0 – 30	0 – 30
Flow trigger sensitivity level:	0 – 10	0 – 10
Press. trigg sensitivity (cmH ₂ O):	-20 – 0	-20 – 0
Insp. rise time (% of breath cycle time):	0 – 20	0 – 20
Insp. rise time (s):	0 – 0.2	0 – 0.4

Parameter settings	Setting range:	
Parameter:	Infant	Adult
End inspiration (% of peak flow):	1 – 70	1 – 70
End inspiration in NIV (% of peak flow):	10 – 70	10 – 70

Backup settings	Setting range:	
Parameter:	Infant	Adult
Inspiratory tidal volume (ml):	2 – 350	100 – 4000
PC above PEEP (cmH ₂ O)	5 – (80 -PEEP)	5 – (120 -PEEP)
PC above PEEP in NIV	5 - (62 PEEP)	5 - (62 PEEP)
CMV frequency (breaths/min):	4 – 150	4 – 150
I:E ratio:	1:10 – 4:1	1:10 – 4:1
T _{Insp} (s):	0.1 – 5	0.1 – 5

Non-invasive ventilation (optional)

Leakage compensation level

- Adult: Inspiratory, up to 200 l/min
Expiratory, up to 65 l/min
- Infant: Inspiratory, up to 33 l/min
Expiratory, up to 25 l/min
- Infant, Nasal CPAP: up to 20 l/min

Leakage overrange detection: Automatic

Disconnect detection: Automatic

Disconnect flow: Configurable

- Low: 7.5 l/min
- High: - 40 l/min (Adult)
- 15 l/min (Infant)
- Disabled: Deactivates disconnect detection

Connect detection: Manual, or automatic via bias flow

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Open Lung Tool (OLT) (optional)

Three simultaneous graphical trends, presented breath-by-breath:	<ol style="list-style-type: none"> 1. EIP and PEEP (End Inspiratory Pressure and Positive End Expiratory pressure). 2. VT_i and VT_e (Inspiratory and Expiratory Tidal volume). 3. $C_{dyn\ i}$ and $VT_{CO_2}^*$ (Dynamic inspiratory Compliance [= $VT_i/(EIP - PEEP)$] and Tidal CO_2 elimination*). <p>* Requires SERVO-i CO_2 Analyzer option.</p>
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Values stored breath by breath: Up to 21.600 breaths.

Cursor function: A cursor can be moved with the main rotary dial or via the touch screen. When moving it along the graph, the numeric parameter values valid for that actual moment will be shown.

Zoom function: Time resolution of the x-axis can be selected in five different steps.

Time marking: Hours and minutes (when values are measured).

Parameter:	Setting range
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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)
Alarm silence/reset:	2 minute silence and reset of latched alarms
Compliance compensation:	On/Off
Automode (optional):	Automode On/Off
Nebulizer (optional):	5 - 30 min./Continuous/Off
Backup ventilation:	Backup On/Off

Suction support

Pre oxygenation time:	Max. 2 min
Post oxygenation time:	Max. 1 min
Suction phase time:	No maximum level
Adjustable oxygen level:	21 – 100 %

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STRESS INDEX (optional)

Presented values:	<ul style="list-style-type: none"> • SI (STRESS INDEX) • PEEP (Positive End Expiratory pressure). • VT_e (Expiratory Tidal volume).
Stored values:	<ul style="list-style-type: none"> • 120 values stored in graph • Stored trend values up to 24 hours
Cursor function:	A cursor can be moved with the main rotary dial. When moving it along the graph, the numeric parameter values valid for that actual moment will be shown.
Time marking:	Hours and minutes (when values are measured).

Communication/interface

Serial ports (2):	RS-232C - isolated. For data communication via the Communication Interface Emulator (CIE).
Alarm output connector (optional)	
Connector:	4-pole Modular connector
Ratings:	Max 40 V DC, Max 500 mA, Max 20 W
Data transfer (optional):	Via Ventilation Record Card
Screen picture transfer (optional)	Via Ventilation Record Card

Saving of data

Recording of current waveform and parameter values:	20 seconds of data will be recorded (10 seconds before and 10 seconds after activation).
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NAVA (optional)

Size:	
• Edi module:	154 x 90 x 21 mm
• Edi catheter cable:	Length: 2 m
Weight - Edi module:	0.25 kg
Power source - Edi module supply voltage:	Powered from SERVO-i. <3 W at 12 V (normal operation)
Parameters:	<ul style="list-style-type: none"> • Edi waveform • ECG leads waveforms • NAVA estimated pressure waveform (Pest)
Edi catheters:	<ul style="list-style-type: none"> • 6 Fr, length 49 cm • 8 Fr, length 50 cm • 6 Fr, length 50 cm • 8 Fr, length 100 cm • 8 Fr, length 125 cm • 12 Fr, length 125 cm • 16 Fr, length 125 cm

Technical specifications

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SERVO-i CO₂ analyzer (optional)

Size:

- CO₂ analyzer module: 154 x 90 x 43 mm
- Sensor: 32.0 x 47.0 x 21.6 mm

Weight:

- CO₂ analyzer module: 450 g
- Sensor: 20 g
- Airway adapter: 10 g

Connectors and cables:

- Sensor cable: 2.8 m

Operating conditions

- Operating temperature: +10°C to +33°C

SERVO-i CO₂ analyzer – performance

Measuring method:	Mainstream, dual-wavelength, non-dispersive infrared.
Parameters:	<ul style="list-style-type: none"> • Capnogram. • CO₂ End tidal concentration (etCO₂). • CO₂ Minute elimination ($\dot{V}CO_2$). • Tidal CO₂ elimination (VTCO₂).
Measuring range:	<ul style="list-style-type: none"> • 0 to 100 mmHg CO₂ partial pressure. • 0 to 13.3 kPa CO₂ partial pressure. • 0 to 13.2% CO₂ volume (at a barometric pressure of 1013 hPa).
System response time CO ₂	The total system response time of the CO ₂ monitor when exposed first to air and then to a gas mix with 5.0 % CO ₂ is <250 ms.
Warm-up time:	15 s to initial CO ₂ indication, maximum 2 minutes to full specification
Oxygen concentration compensation:	Automatic. Values supplied from the SERVO-i Ventilator System.
Barometric pressure compensation:	Automatic. Values supplied from the SERVO-i Ventilator System.
Digitizing rate:	100 Hz
Airway adapter dead space:	<ul style="list-style-type: none"> • Adult: <5 ml • Infant: <1 ml

Technical specifications

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Y sensor measuring (optional)

Size:	
• Y sensor module:	154 x 90 x 43 mm
• Y sensor adult:	Length 84 mm
• Y sensor infant:	Length 51 mm
Weight:	
• Y sensor module:	0.4 kg
• Y sensor adult:	10.5 g
• Y sensor infant:	7.5 g
Sensor material:	Makrolon polycarbonate.
Tubing:	2.0 m. Medical grade PVC.
Power source – Y sensor module supply voltage:	Powered from the SERVO-i. <5 W at 12 V (normal operation).

Y Sensor measuring – performance

Measuring method:	Fixed orifice, differential pressure.
Parameters:	Airway pressure
	Airway flow
	Inspiratory and expiratory volumes
Measuring range:	
• Adult:	2 to 180 l/min
• Infant:	0.125 to 40 l/min
Airway adapter dead space:	
• Adult:	< 9.0 ml
• Infant:	< 0.45 ml

Aerogen nebulizer systems (optional)

Weight - Aerogen module:	Approx. 216 g
Dimensions - Aerogen module:	H 105 mm x L 108 mm x W 60 mm
Connection cable length:	2.0 m
Particle size:	1 - 5 µm mass median aerodynamic diameter (MMAD)
Flow rate:	>0.2 ml/min
Volume - nebulizer unit	<ul style="list-style-type: none"> • Pro - 10 ml • Solo - 6 ml
Residual volume:	10 %

SERVO-i Mobile cart (optional)

Weight:	21 kg
Dimensions:	H 992 mm x L 640 mm x W 560 mm (see dimensional drawing below)

SERVO-i Drawer kit (optional)

Weight:	4.5 kg
Dimensions:	H 240 mm x L 210 mm x W 300 mm

SERVO-i Holder (optional)

Weight:	3.5 kg
Dimensions:	H 352 mm x L 247 mm x W 159 mm (see dimensional drawing below)

SERVO-i Shelf base (optional)

Weight:	1.2 kg
Dimensions:	H 29 mm x L 205 mm x W 159 mm (see dimensional drawing below)

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Gas cylinder restrainer (optional)

Max load: 2 x 5-liter bottles

Compressor Mini (optional)

See separate data sheet.

SERVO-i IV pole (optional)

Max load (total): 6 kg

Service

Regular maintenance: Once every 12 months or at least after 5000 operating hours.

Gas trolley (optional)

Max load: 2x10 kg bottles

Docking: Dockable to SERVO-i Mobile cart.
Dockable to a separate wall clamp.

Note

For inaccuracies and more detailed technical specifications please refer to the User's manual.

Ordering information

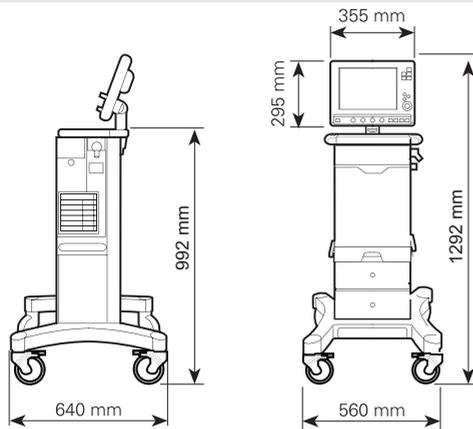
SERVO-i, Ventilator and accessories: See separate information: "SERVO-i System Flow Chart" (Order no: 66 70 102).

Technical specifications

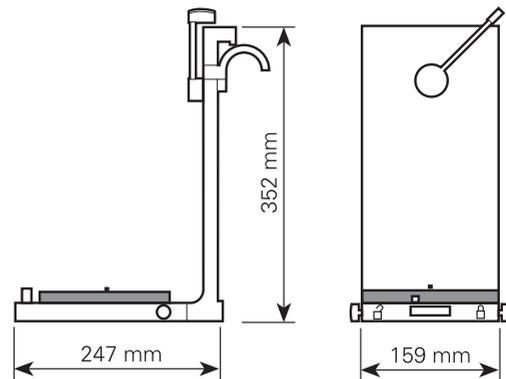
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Dimensional drawings

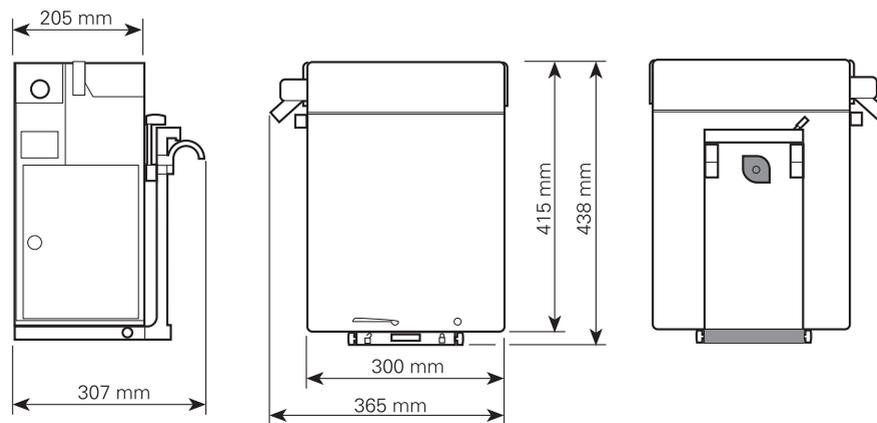
SERVO-i on Mobile cart



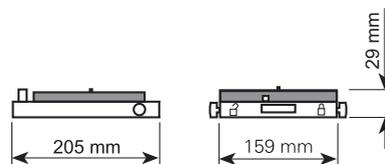
SERVO-i Holder



SERVO-i (patient unit) on SERVO-i Holder



SERVO-i Shelf base



Products may be pending regulatory approvals to be marketed in your country. Contact your Maquet representative for more information.

This document is intended to provide information to an international audience outside of the US.

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GETINGE GROUP

Getinge Group is a leading global provider of innovative solutions for operating rooms, intensive-care units, hospital wards, sterilization departments, elderly care and for life science companies and institutions. With a genuine passion for life we build quality and safety into every system. Our unique value proposition mirrors the continuum of care, enhancing efficiency throughout the clinical pathway. Based on our first-hand experience and close partnerships, we are able to exceed expectations from customers – improving the every-day life for people, today and tomorrow.