



Servo-air & Servo-air Lite ventilators

Intuitive, flexible, powerful & efficient ventilation



Preparation

On-screen instructions with images and text guide you throughout the pre-use check process. Once passed, the ventilator is ready to use.



Set up

An intuitive user interface makes set up easy. On-screen instructions assist you in personalizing ventilator settings. Dynamic images show how each adjustment may affect breath delivery prior to the start of ventilation.



Support

Continuous monitoring and trending of key ventilation parameters including Vt/PBW and the use of Servo Compass (optional) are tools supporting your lung protective strategies.



Weaning

A wide range of monitoring tools help track the progress of your patient. Easily switch to non-invasive ventilation or High Flow therapy, providing the right level of support at the right time

Servo ventilation performance for all your ventilation needs



Intuitive — *means ease of use*

Our goal with the Servo interface design and layout was to remove complexity. Servo-air ventilators are easy to use and adaptable to the needs of your patients in most clinical settings. The Servo-air platform features the same interface used on many Servo ventilators. The layout is intuitive, and supports patient safety and efficient clinician workflows.¹ When needed, the Servo-air ventilators provide detailed on-screen support, from pre-use check, to selecting modes and specific support settings.



Flexible — *means personalized support*

The Servo-air ventilators are a turbine-based platform with the power and flexibility to perform in a wide range of clinical environments. This allows you to adapt the level of support to the dynamic needs of your patient, providing the right level of support at the right time. They offer an array of invasive modes and non-invasive support capabilities including High Flow therapy for pediatric through adult patients. Transition your patients from invasive ventilation to non-invasive ventilation, to High Flow therapy using the same device and the same patient circuit. Stabilize, treat, and recover patients using one device.



Powerful — *means performance and reliability*

A key factor behind the performance of Servo-air ventilators is our turbine technology. The lifetime of the turbine is validated to 50,000 hours, or 10 years. It is designed to be powerful yet responsive and quiet. The turbine is capable of generating adequate pressure and flow to support a wide range of patients. Like all Servo ventilators, the Servo-air platform provides precise control of gas delivery to maintain the desired flow rates and pressures for your patients. It also provides monitoring capabilities that complement informed, personalized ventilation, including optional end-tidal CO₂ monitoring.



Efficient — *means optimized workflows and costs*

The Servo-air ventilators are designed for low cost of operation, low maintenance, and maximum uptime. They do not require any proprietary consumables or external flow sensors, this includes patient circuits. Even when switching to High-Flow therapy, the same device and same patient circuit can be used. The built-in Aerogen nebulizer also contributes to an efficient workflow when inhaled medications are needed. The Servo-air platform has few parts to clean and is built with top-quality components from the Servo family. It offers an extremely low cost of operation with the level of performance and reliability you expect from a Servo ventilator.

1.Morita PP, Weinstein PB, Flewelling CJ, et al. The usability of ventilators: a comparative evaluation of use safety and user experience. *Crit Care*. 2016;20:263. Published 2016 Aug 20. doi:10.1186/s13054-016-1431-1.

Mobility and performance

– for patients on the go

Servo-air & Servo-air Lite

Products	Servo-air			Servo-air Lite
	High Acuity	Long-term Acute Care	INV/NIV	Lite
Invasive				
PC	•	•	•	•
PS/CPAP	•	•	•	•
VC	•	•	•	
SIMV(VC) + PS	•	•	•	
SIMV(PC) + PS	•	•	•	
PRVC	•	•		
Bi-Vent/APRV	•			
Automode	•			
Non-Invasive				
NIV PC	•	•	•	•
NIV PS (CPAP)	•	•	•	•
High Flow therapy	•	•	•	•
Other features				
End Tidal CO ₂ monitoring (including volumetric values)				Optional
Aerogen Nebulizer	•	•	•	•
Alarm Output	•	•	•	•
Servo- Compass	•			
Modular Back-up Battery	•	•	•	•

Distinguishing features

- Turbine-based platform, untethered mobility throughout the hospital
- Hot-swappable batteries for up to 4 hours of ventilation time
- Intuitive, easy-to-use interface for quick set-up and rapid patient assessment
- Integrated Aerogen nebulizer
- View up to 72 hours of trended data
- Connectivity with most EMR systems
- Alarm output for nurse call/external alarm systems
- Integrated end-tidal CO₂ monitoring (optional Servo-air Lite only)

Performance

- Designed for pediatric through adult patients
- Up to 240 L/min inspiratory flow and leak compensation flow
- High Flow therapy up to 60 L/min in adult patients and up to 30 L/min in Pediatric patients
- Flow & Pressure triggering
- Automatic Flow/Pressure triggering in NIV
- Internal inspiratory & expiratory flow sensors expected to last life of the ventilator
- The expected lifetime of the turbine is 50K hours or 10 years



Technical Support

We care about enhancing patient safety, maintaining device performance, and know that patients are your highest priority. With a routine preventative maintenance schedule, Getinge Care Service can help you keep vital equipment running smoothly without interruption. Multiple service packages have been designed to best meet the needs of your facility and maximize the long-term value of your investment.

Our unique Getinge Care commitment

- Service operations are conducted under a quality management system designed to comply with Quality System Regulation (QSR) requirements
- All technician tools meet National Institute of Standards and Technology requirements
- All calls monitored and escalated to meet our response time
- All-inclusive service plans provide predictable, fixed rate service costs

Servo-air

Ventilation platform

Performance

INV – NIV – HFT

Mobility

Turbine-based platform

Ease of use

User experience

Cost efficiency

No proprietary consumables



Servo-air & Servo-air Lite specifications.

	Servo-air	Servo-air Lite
Patient type	Adult, pediatric	Adult, pediatric
Ventilator type	Turbine-based ventilator platform	Turbine-based ventilator platform
Patient weight range	Adult: 15-250kg Pediatric: 5-30kg	Adult: 15-250kg Pediatric: 15-50kg

Ventilation modes

Non Invasive	NIV PS/CPAP NIV PC HFT	NIV PS NIV PC HFT
Invasive	PS/CPAP PC VS SIMV (PC, VC, PRVC) + PS Automode Bi Vent/APRV	PS/CPAP PC

Non-invasive specification ranges

Pressure control	0–60 cmH ₂ O	0–60 cmH ₂ O
Pressure support	0–60 cmH ₂ O	0–60 cmH ₂ O
PEEP	2–20 cmH ₂ O	2–20 cmH ₂ O
Max. leakage compensation	Adult: Inspiratory ≤240 l/min.* Expiratory ≤65 l/min. Pediatric: Inspiratory ≤240 l/min.* Expiratory ≤25 l/min.	Adult: Inspiratory ≤240 l/min.* Expiratory ≤65 l/min. Pediatric: Inspiratory ≤240 l/min.* Expiratory ≤25 l/min.
High Flow Therapy	Flow range: Adult 5–60 l/min. Pediatric 2–30 l/min.	Flow range: Adult 5–60 l/min. Pediatric 2–30 l/min.

Invasive specification ranges

Tidal volume	Adult 100–2000 ml Pediatric 20–350 ml	
Inspiratory flow	≤240 l/min	≤240 l/min
Maximum airway pressure	100 cmH ₂ O	100 cmH ₂ O
Respiratory rate	Adult: 4-100 breaths/min. Pediatric: 4-150 breaths/min.	Adult: 4-100 breaths/min. Pediatric: 4-150 breaths/min
PEEP	0–50 cmH ₂ O	0–50 cmH ₂ O
Trigger method	Flow and pressure	Flow and pressure

Miscellaneous specifications

Screen	12" TFT color touchscreen	12" TFT color touchscreen
Battery	Lithium-ion, 2 hr standard, 4 hr optional, hot-swappable	Lithium-ion, 2 hr standard, 4 hr optional, hot-swappable
External device interfaces	2 x RS232, USB, remote alarm, Ethernet	2 x RS232, USB, remote alarm, Ethernet
Dimensions H x W x D	(275 x 375 x 350 mm)	(275 x 375 x 350 mm)
Weight	17 kg	17 kg

Other functionality

Capnography		Integrated, mainstream End Tidal CO ₂ monitoring (Optional, Servo-air Lite only)
Nebulizer	Integrated Aerogen nebulizer	Integrated Aerogen nebulizer
O ₂ boost	Adjustable +0–79%, ≤1 min.	Adjustable +0–79%, ≤1 min.
Data display	Parameters, 3 waveforms, 3 loops, respiratory mechanics, trended data, settings, logs, alarm limits, system information trends up to 72 hrs	Parameters, 3 waveforms, 3 loops, respiratory mechanics, trended data, settings, logs, alarm limits, system information trends up to 72 hrs



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