

SERVO-air

Wall gas independent ventilator

MAQUET

GETINGE GROUP

**Liberating
performance**



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

Liberating performance

Ventilation can be complicated.
But the ventilator doesn't have to be.

At Maquet, we've been developing market-leading ventilators for more than 40 years. Today the SERVO family installed base exceeds 140,000 units worldwide. We understand your need for ICU-quality ventilation that is easy to use – to help limit errors, save time, and contribute to better outcomes.

Wall gas independent SERVO-air™ makes learning, using and owning quality ventilation even more accessible throughout your hospital. From the ICU to intermediate care, for invasive and non-invasive ventilation, SERVO-air provides liberating performance for the entire team.

Innovation leaders

40 years

Maquet started producing ventilators in 1971

Used worldwide

140 k

The SERVO family exceeds 140,000 units worldwide

Context-based guidance

On-screen help from pre-use check throughout the entire treatment.

Uninterrupted ventilation

High-mobility design and wall gas independence enable uninterrupted ventilation.

SERVO performance

Turbine-driven ventilation with fast response times and high flow and high pressure capacity.

Cost-effective ownership

Reliable performance, low maintenance, less training time and reduced need for different ventilators.

Easy to use

6.8/7

Clinicians trying SERVO-air rated it 6.8 on a scale of 1-7 for ease of use



Start, set, go

Easy to learn and use

SERVO-air makes it easy to get started. And builds confidence with every use. The system provides context-based guidance for everything from pre-use check to initial parameter setting and throughout the entire treatment. As one clinician testing it remarked: *“It’s like having a textbook in the machine.”*

Uninterrupted ventilation

Things move fast in the clinical environment, and SERVO-air is designed to keep up. The battery-powered turbine eliminates the need for heavy gas cylinders, allowing SERVO-air to follow the patient more easily throughout the hospital. The batteries are easy to change, even during transport. They also display their remaining power in minutes instead of the usual %.

With SERVO-air, your patient can be kept on the same ventilator until weaned or moved to home care. This reduces the need for disconnection or transfers between ventilators, saving you time and minimizing risks to the patient.



Adjust the screen to your working position or for protection during transport

Ventilation run time

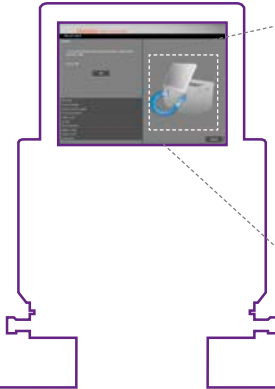


Hot-swappable batteries and external battery charger facilitate non-stop run time

START

Fast start

Pre-use check is performed during stand-by.
On-screen information helps you at every step.



Clear instructions

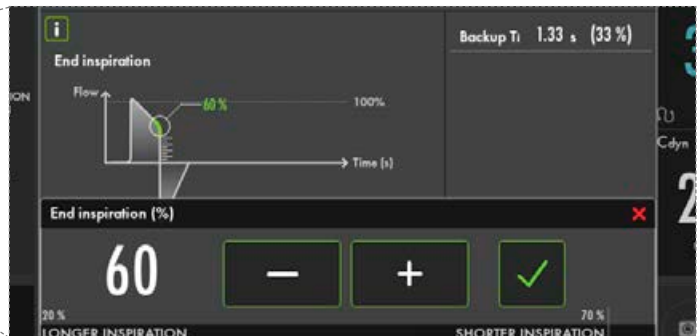
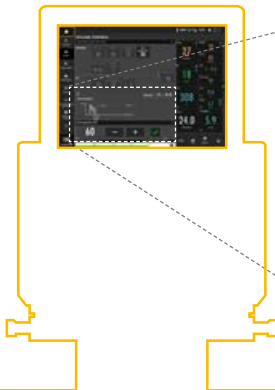


Visual guidance

SET

User-friendly setup

Written instructions help you choose between modes.
Dynamic images show how each adjustment affects ventilation.

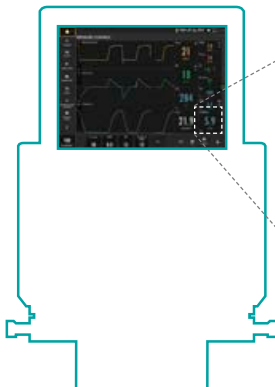


Simple, clean, helpful

GO

Clear monitoring

VT/PBW, The automatic calculation of tidal volume per kilogram of predicted body weight is continuously measured and trended up to 72 hours.



At a glance



Distance view

Building on a legacy of performance

All SERVO ventilators are designed to optimize the interaction between patient and ventilator for better comfort. SERVO-air offers:

- High flow and high pressure capacity to help you provide ventilation also to sick and difficult to ventilate lungs
- A highly sensitive trigger combined with the flow adaptation of the turbine to help keep patients comfortably ventilated
- Tidal volume per kilogram of predicted body weight (VT/PBW), a key functionality to help set and monitor the correct tidal volume for every patient

SERVO-air is also a strong choice for the growing trend towards non-invasive ventilation (NIV), reducing the need for a separate NIV ventilator. Alarms that can be selectively silenced and the extremely quiet turbine help increase comfort for patients and users in what can be a loud environment.



Standard and optional modes include:
PC, VC, PS/CPAP, SIMV (VC) + PS, SIMV (PC) + PS, VS,
PRVC, SIMV (PRVC) + PS, NIV PC, NIV PS/CPAP,
Bi-Vent/APRV, AUTOMODE®

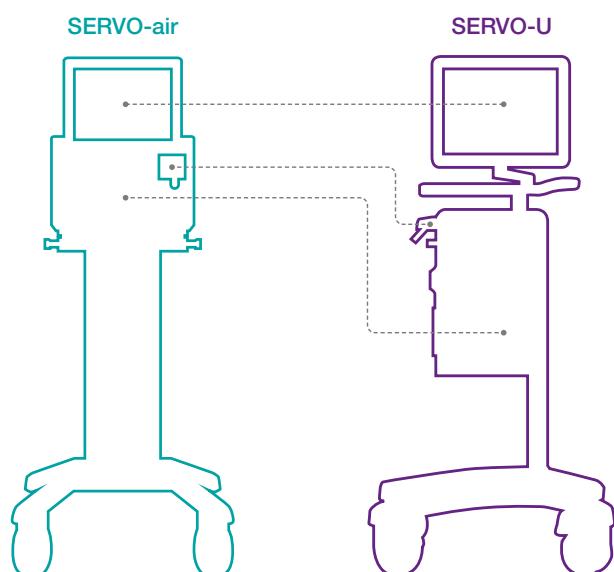


Many testers have been impressed by the comfort of SERVO-air during NIV – a feature that promotes patient well-being and reduces the need for a separate NIV ventilator.

Taking the stress out of ownership

Smart fleet management

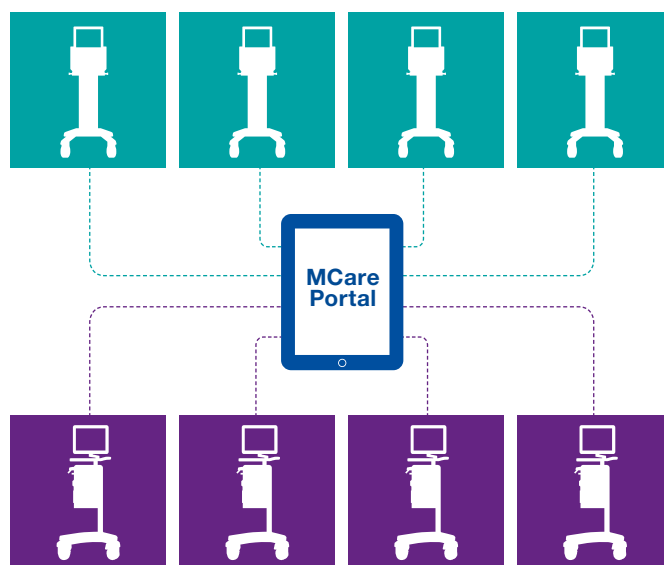
Budget considerations are an ongoing challenge in health-care, and we know what a difference lowering the lifecycle operational cost of equipment can make for you. SERVO-air is a strong option to work alongside ventilators that offer more advanced lung-protective tools, such as SERVO-U®. SERVO-air provides a wall gas independent solution with a similar look, feel and serviceability to complement and expand your therapy options. It can also be easily connected to your hospital's information system thanks to its ability to send data in accordance with the HL7 standard.



The wall gas independent SERVO-air and the advanced SERVO-U have similar user-friendly interfaces. They also share many components, have the same interchangeable patient cassette and come with the same "easy-access" service structure.

Keeping costs down

SERVO-air is intuitive and requires less training time, facilitating high staff efficiency. It has few parts to clean, is built for simplified maintenance, and is based on top quality components from the SERVO line ventilator development. This ensures a long product life time and maximum uptime.



MCare Portal provides a complete fleet status overview, allowing a more efficient fleet management and service planning.

Free yourself with MCare

MAQUET MCare[®] is a scalable service program that can make life easier in many ways for SERVO-air owners:

- Help control operational and administration costs
- Maximize your uptime with help of on-site and remote service, which also includes proactive actions
- Ensure top quality genuine Maquet parts and consumables are always available

An MCare contract adapted to your organization's needs, for instance, can give you an overview of short and long-term maintenance expenses that helps plan your budgets more effectively. It also assures you ongoing access to the Maquet team and resources, making value-added expertise available to your team whenever you need it.



MCare Remote Services saves time and money when service calls can be handled directly via the phone.

Technical specifications

SERVO-air VENTILATOR SPECIFICATIONS

Patient type	Adult, pediatric
Ventilator type	Turbine driven Wall gas independent ventilator

INVASIVE VENTILATION

Tidal volume	20–2000 ml
Inspiratory flow	≤240 l/min
Inspiratory pressure	1–100 cmH ₂ O
Respiratory rate	4–150 breaths/min*
PEEP/CPAP, cm H₂O	1–50 cm H ₂ O
Pressure support	0–(100-PEEP) cmH ₂ O
Trigger	Flow and pressure

NON-INVASIVE VENTILATION

Pressure support	2–(32-PEEP) cmH ₂ O
PEEP/CPAP, cm H₂O	2–20 cmH ₂ O
Leakage compensation, automatic	≤65 l/min (adult) ≤25 l/min (pediatric)

*1–60 breaths/min in SIMV

VENTILATION MODES

Available modes	PC VC PS/CPAP SIMV (VC) + PS SIMV (PC) + PS VS PRVC Bi-Vent/APRV SIMV (PRVC) + PS NIV AUTOMODE
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Not all modes are available in the standard configuration, please contact your local Maquet representative for information on standard and optional modes

OTHER FUNCTIONALITY

Nebulizer	Aerogen, internal, electrical
O₂ boost, adjustable	+0-79%, ≤1min
Data displayed	Parameters, 3 waveforms, 3 loops, respiratory mechanics, trended data, settings, logs, alarm limits, system information
Trend	72 hours
Recordings	Screen shots, 30s video

MISCELLANEOUS INFORMATION

External device interfaces	2xRS232, USB, remote alarm, ethernet
Screen	12" TFT color touchscreen
Battery	Lithium-ion, 2 h standard, 4 h optional, hot-swappable
H x W x D	275 mm x 375 mm x 350 mm
Weight	15 kg



*"There is nothing I couldn't master in a few days,
or rather in just one day...even on a busy day!"*

Liberating performance



> Discover how liberating a great user experience, high quality performance and budget-friendly ventilation can be. Book your introduction to SERVO-air today through your local Maquet representative, or read more at maquet.com.

This document is intended to provide information to an international audience outside of the US. The Product SERVO-air may be pending regulatory approvals to be marketed in your country. Contact your local Maquet representative for more information.

The views, opinions and assertions stated by the physicians are strictly those of the physicians and their practice and do not necessarily reflect the views of Maquet Critical Care. All user statements from product development and validation – Data on file.

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