

SIEMENS

System Servo Ventilator 300.
Every breath is a treatment.



Servo Ventilator 300. The more you use it, the less you need it.

The thinking behind all Siemens ventilators is simple – gentle ventilation and weaning the patient off mechanical ventilation as quickly as possible. The Servo Ventilator 300 is a case in point: combining multiple ventilation modes and ultra-rapid response, the Servo Ventilator 300 supports your patient by reducing the work of breathing, and by responding instantly to the patient's changing needs. The result is often a tangible reduction in ICU time, providing better care for the patient and more effective use of resources.

One ventilator for all

The Servo Ventilator 300 is designed to address the very different requirements of adult, pediatric and neonatal patients in one instrument. Preset ranges for all relevant flow and volume parameters are automatically adjusted with a patient range selection knob. Your own preferred range selection knob can then be safely and flexibly customized. This ability to ventilate any patient with the Servo Ventilator 300's comprehensive range of features means that you can move the ventilator wherever it's most needed so there's no more need for specific ventilators for specific ICUs.

Flexible and gentle

The Servo Ventilator 300 offers a wide range of ventilation modes for supported and controlled ventilation. It offers modes like PRVC (Pressure Regulated Volume Control) and VS (Volume Support) to deliver the required volume at the lowest pressure. And it features an ultra-sensitive triggering system, minimizing the work of breathing and gently but securely working with your patient – there's no need to fight against the Servo Ventilator 300.

All available modes can be fully customized. The Set Parameter Guide, providing simple operation through context sensitive controls and displays ensures that ease of use is in no way compromised by flexibility.

Supported and controlled ventilation modes

Patient range selection

User adjustable trigger sensitivity

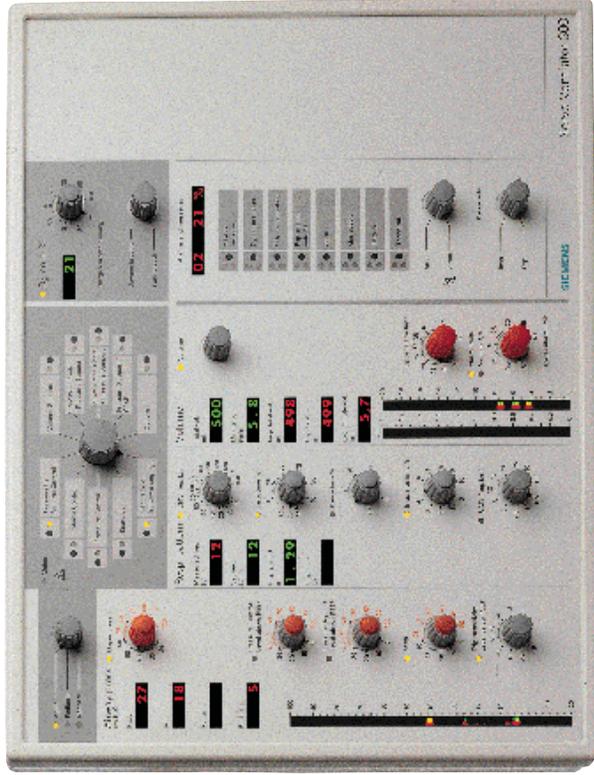
Automatic switch from Volume Support to Pressure Regulated Volume Control if patient stops breathing

Extensive flow range: 0.1–3000 ml/s

Automatic emergency battery back-up

Set Parameter Guide

100% oxygen breaths for suction procedures



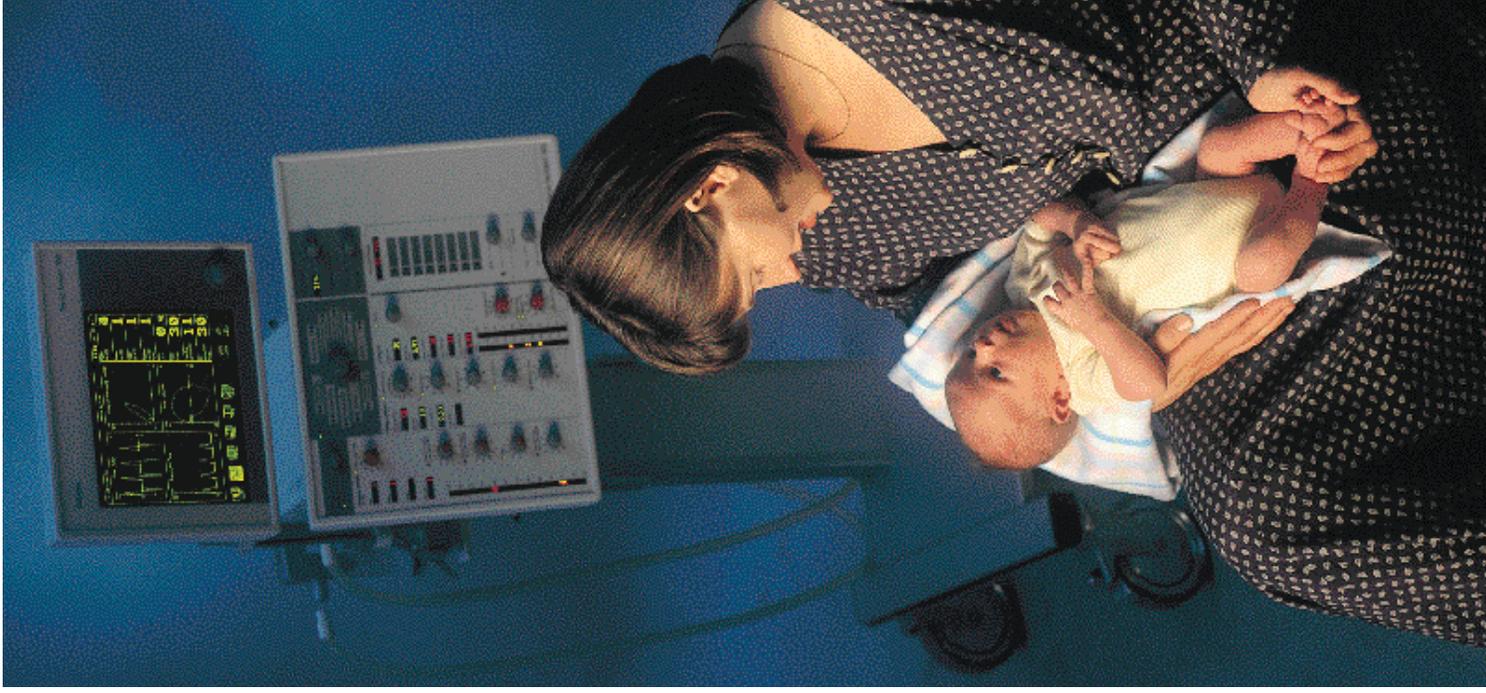
Context-sensitive controls and displays for easy set-up

Informative alarm and message center

Flexible positioning around patient

Combination modes

Customizable respiratory patterns for fully flexible therapy



See your patients get better.

Comprehensive, real-time monitoring is vital to effective ventilation. The Siemens ventilator family's already concise alarm and parameter display is further enhanced by the Servo Screen 390, a powerful, multi-function ventilatory monitor.

The Servo Screen 390 is fully customizable, giving you the information you want, the way you'd like to see it. Real-time data and calculations of multiple parameters is stored and displayed numerically and graphically on a high-resolution screen.

Gently supporting your patient

The Servo Screen 390 is a further example of the Siemens philosophy of gently supporting the patient. The information display further enhances your abilities to evaluate and to flexibly customize the ventilation to the patient's specific requirements. All changes in respiratory status of the patient are displayed and further adjustments can be made and monitored. The desired result - decreased time on the ventilator and in the ICU.

User-customizable displays

Single-knob, menu-driven operation is simple, yet it allows full customization of data presentation and parameter selection. Waveform and loop axes can be changed, screen layout customized, measurement units modified. A total of up to 16 parameters can be displayed simultaneously. And trends over the previous 3, 6, 12 or 24 hours can be displayed.

Interpretive information displays

The Servo Screen 390 also features numerous information display pages complete with annotation. These pages show, for example, the loops and waveforms typical for specific clinical conditions - valuable in clinical evaluation as well as for training procedures.

Fully upgradeable

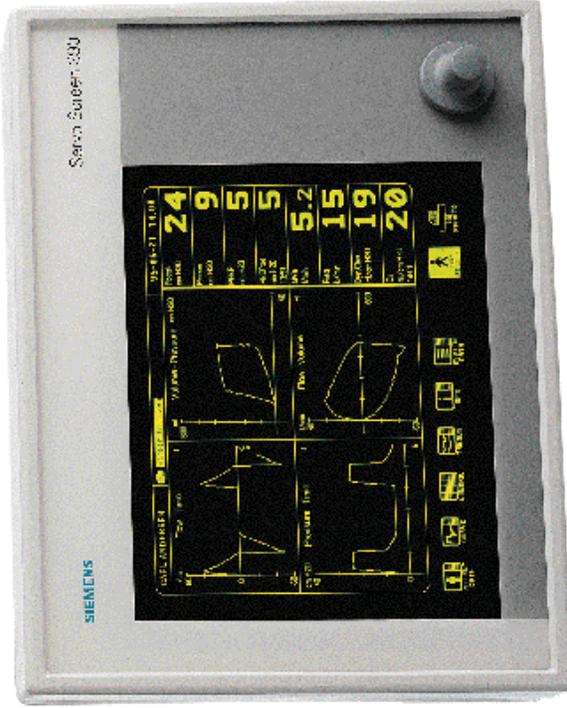
The Servo Screen 390 is also built for

Multiple display facilities

User-customizable data presentation

Context-sensitive dialogues

Freeze function



Dynamic characteristics

3, 6, 12, 24 hour trend displays

Calculation of lung mechanical parameters

Scroll and zoom functions

Interpretive information displays

Output to printers

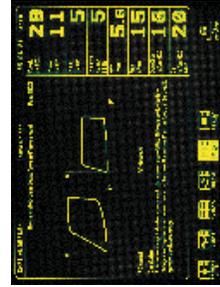
Waveforms, loops and numerics

Loop overlays

PCMCIA technology for future upgrading

Single knob icon driven control

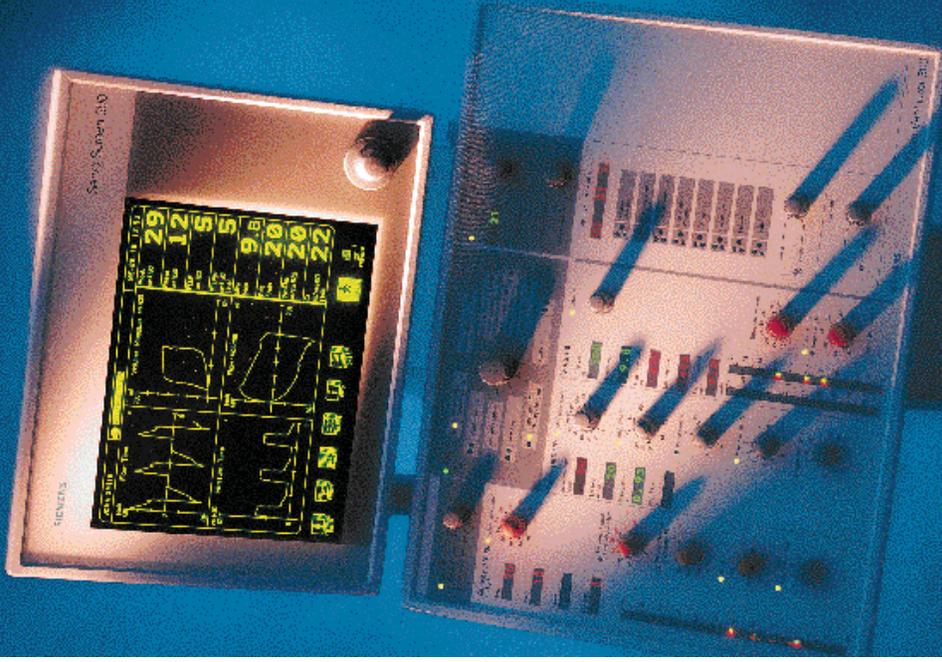
Clear, non-reflexive display



further development. PCMCIA technology allows for future upgrades. Simply changing the memory card changes the entire program.

A valuable upgrade

The Servo Screen 390 is compatible with both the Servo Ventilator 300 and the Servo Ventilator 900 series ventilators, representing a valuable and cost-effective enhancement to both units.



Precision delivery...gently and quietly.

No disruption of ventilator setting
Setting the proper ventilator parameters for your patient is hard enough without additional external factors. And nowhere is this more critical than with the small volumes involved in ventilating a neonate. Which is why the Servo Ultra Nebulizer 345 is designed to introduce medication gently, precisely and without disrupting the ventilator settings.

Improved deposition
The Siemens ultrasonic nebulizer delivers medication with an extremely stable particle size for improved deposition. The nebulization process creates particles with a mass median diameter (MMD) of 4.0 μm . This not only enhances the efficacy of the delivery of medication, but it also optimizes your therapeutic goals and reduces medication wastage.

The Servo Ultra Nebulizer 345 is compact, easy to clean and features only one disposable. It integrates simply into the ventilation circuit, and the clear cup affords an instant visual overview of status.

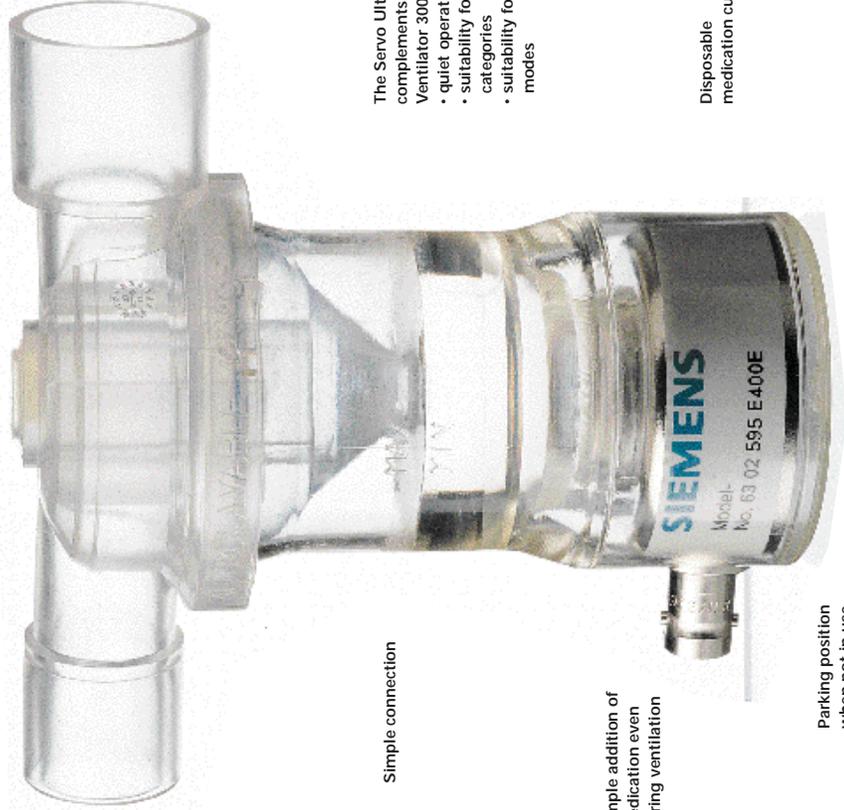
Above all, the Servo Ultra Nebulizer 345 represents a logical continuation of the Siemens philosophy of gentle, sensitive ventilation. Through precise and gentle deposition of medication, you can aim at faster weaning, shorter ICU stays and better management of costly resources.



Ultrasonic nebulization enhances medication deposition

Does not affect any settings or readings

Temperature control of medication



Simple connection

The Servo Ultra Nebulizer 345 complements the Servo Ventilator 300 and provides:

- quiet operation
- suitability for all patient categories
- suitability for all ventilation modes

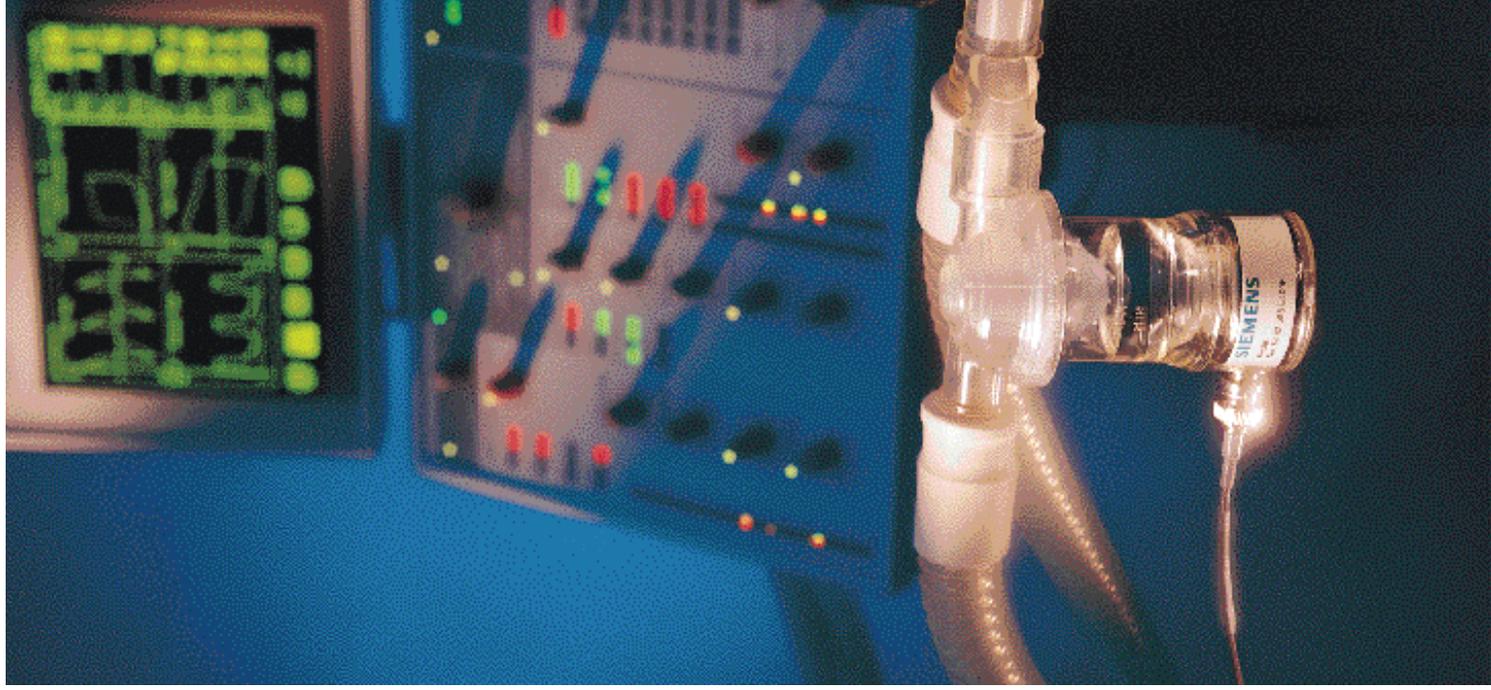
Simple addition of medication even during ventilation

Disposable medication cup

Parking position when not in use

Easy to clean

Mass median diameter of medication particles 4.0 μm





Siemens Servo Ventilator 300 and Servo Ventilator 900 series represent more than just technology. Purchase of this equipment brings you membership in a world-wide network of like-minded users who demand the best.

Ongoing research and development work, and active involvement in a range of clinical trials ensures that Siemens remains at the leading edge of development. And in order that this vital information is passed on to the front line of respiratory therapy, Siemens publishes a comprehensive range of training and educational material. This includes training guides, videotapes and booklets published in a variety of languages. For further information on this material, please contact your local Siemens representative.

Siemens ventilators – every breath is a treatment.

System Servo Ventilator 300 – Brochure, English.
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