

UVENT-S Expert-Class Ventilators



PATIENT SAFETY

From Critical Care To Effective Weaning



Solutions that assist clinicians
and support patients



New standards in respiratory support

UVENT-S is designed with a focus on patient safety and comfort

Patient safety has become a global priority in the last decade. To improve it, ventilators must be able to assist clinicians in prompt lung status diagnostics, choosing individual tactics for therapy, and help in patients' selection: to exclude an unreasonable start of invasive ventilation.

That is why in UVENT-S we paid attention not only to high-class ventilation, but also to comprehensive all-around monitoring. Moreover, we implemented the newest adaptive and special modes, intelligent tools and functions, extended set of interfaces, including ventilation with a helmet.

UVENT-S allows clinicians to realize the lung protection strategy and achieve maximum synchronization of the device with the patient during respiratory support.



High Flow Oxygen Therapy (HFOT)

Oxygen delivery right on time

HFOT with high-quality humidification and nasal cannula in UVENT-S ventilators has a number of advantages.

- **Wide range of flow rate setting (up to 80 lpm)** to facilitate the setup to increase FRC and effectively compensate early signs of respiratory failure.
- **Automatic oxygenation therapy based on SpO₂** feedback with timely control and maintenance of minimum-effective inspired oxygen concentration.
- **High-quality humidification of the breathing mixture** for optimal breathing comfort.

Helmet ventilation

Increased patient comfort and safety

To improve patient safety, we have expanded the range of interfaces. NIV with a helmet is implemented in UVENT-S as a separate mode.

- **Adjustable base flow** for washing out CO₂.
- **Well-tolerated by patients** and have no pressure points on the face skin eliminating risk of necrosis.¹
- **Patient can interact with clinicians** during treatment, to drink or even eat through a special port.
- **Helmet is considered as interface of choice according to WHO Guideline.**²



CPR mode

Respiratory Support in Critical Care

Expert-class ventilator should be your reliable assistant not only during intensive, but also critical care. Cardio-Pulmonary Resuscitation Ventilation (CPR) mode in UVENT-S provides relevant respiratory support and necessary guiding during chest compressions. As well as time management, airway pressure, respiratory mechanics and gas exchange monitoring.

- **Resuscitation process can be easily managed by single clinician.**
- **CPR and CC Pause Timers**, CC Frequency Counter.
- **Display of the required curves and parameters** in large numbers mode.
- **Display of the EtCO₂ trend and SpO₂ level** as important CPR efficiency feedback.



AutoO2 Function

Optimal oxygen levels in each clinical situation

The AutoO2 function is the automated closed loop oxygen management system to maintain targeted SpO2 range. It can help to reduce human errors and decrease clinicians' workload during FiO2 titration.

- **Closed loop FiO2 adjustment** based on SpO2 readings.
- **Charged with SpO2 Masimo SET®.**
- **Trends of SpO2 and FiO2** reading for better evaluation.
- **Prevent toxic effect of high percentage of oxygenation³.**

ProVent Intelligent Mode

Adaptation to every patient's breath

ProVent is an intelligent mode that provides operator-preset minute ventilation and autoregulation of the parameters based on the patient's respiratory activity.

- **Respiratory support** regardless of the patient's breathing activity.
- **Less time for adjusting** parameters — more attention to the patient.
- **Protective ventilation** with automatic respiration rate detection and breathing mechanics continuous analysis.
- **Effective weaning** due to personalized support of the active patient.
- **Decrease airway pressure** average level.



1. Patel BK, Wolfe KS, Pohlman AS. Effect of noninvasive ventilation delivered by helmet vs face mask on the rate of endotracheal intubation in patients with acute respiratory distress syndrome: A randomized clinical trial. JAMA. 2016;315:2435–2441. [PMC free article]

2. World Health Organization, Clinical care of severe acute respiratory infections – Tool kit, www.who.int

3. M. Elizabeth Hartnett, MDa and Robert H. Lane, MD, MSb. Effects of oxygen on the development and severity of retinopathy of prematurity. J AAPOS. 2013 Jun; 17(3): 229–234. [PMC free article]



Remote UVENT

REMOTE UVENT — innovative technology for timely support and efficient ventilator service regardless of distance.

REMOTE UVENT system allows our engineers or authorized specialists remotely via Internet carry out diagnostics and adjustments as well as software updates for devices in any location.

REMOTE UVENT can reduce the cost of shipping, diagnostics, and maintenance. Moreover, it can save time for engineers, doctors, and patients.



We are close to you

Address your questions to UTAS Team and communicate directly with the specialists you need. We are at your disposal — service engineers, clinical advisors, product managers, sales & marketing team.

After delivery and setup of the equipment, our specialists provide professional training and all the necessary support.

Good service is our priority. To find solutions for even the most difficult situations, we collaborate with leading clinical centers in 30 countries.

U can save the life®



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