

VS600S

Premature, Neonatal & Pediatric Ventilator

Care the Future
Carry the Hope



VS600S

Professional respiratory care with VS600S

VS600S is a specially designed invasive and non-invasive ventilator for premature infant, neonate and pediatric. For the delivery room, NICU and PICU, VS600S offers the comprehensive ventilation modes in a single device, and provide high quality treatment options.

10.4" highly sensitive capacitive touchscreen

Provides clear vision with comprehensive monitoring data.

Easy to learn, easy to operate

- User-friendly interface
- No hidden menu
- Immediately access and change ventilation modes and parameters





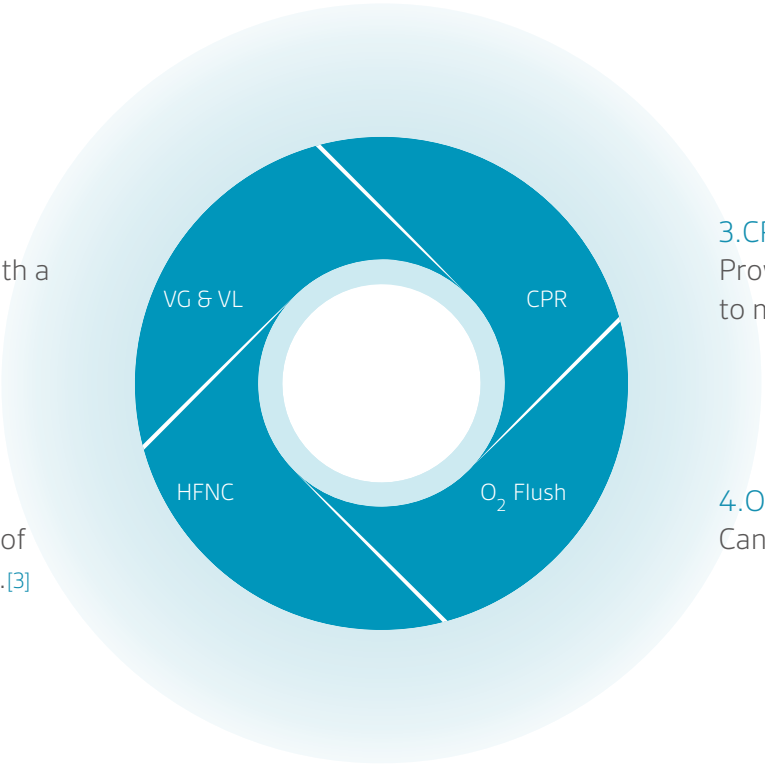
Safety and effective neonatal ventilation technology

1.VG & VL

Provide VG and VL modes for ventilation control and monitoring with a minimum of 2ml, can reduce risk of volutrauma.[1] [2]

2.HFNC*

HFNC is to optimize spontaneous breathing through the reduction of dead space and the creation of positive distending airway pressure.[3]



3.CPR

Provide CPR cardiopulmonary resuscitation assisted ventilation function to meet the needs of emergency rescue.

4.O₂ Flush

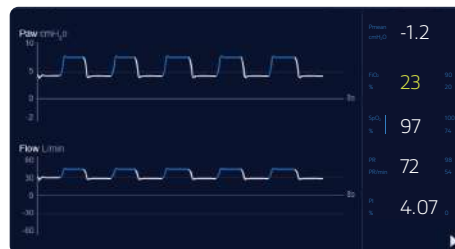
Can quickly improve the oxygenation state.

[1] Kant, M., Kumar, A., Sweta, J. R., & Kalane, S. U. (2020). Comparison of volume guarantee ventilation and pressure limited ventilation on required duration of ventilation in preterm LBW infants. IOSR J Dent Med Sci (IOSR-JDMS), 19(5), 09-16.
[2] Il'dar, M. Z., Babitsheva, A. A., & Guf'nar, R. S. (2020). The effectiveness of volume guarantee ventilation in newborns. Russian Journal of Pediatric Surgery, Anesthesia and Intensive Care, 10(2), 165-172.
[3] Ols G.E. High-Flow Nasal Cannula in Neonates. Respiratory Care May 2017, 62(5) 641-642. <http://rc.rcjournal.com/content/62/5/641>

Real-time monitoring assures patient safety

SpO₂ module*

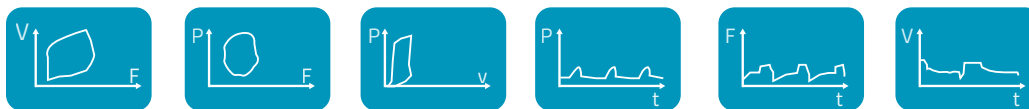
With SpO₂ module*, VS600S has real-time monitoring including SpO₂/FiO₂*, PI* and OSI* to give more reference for clinical decision to facilitate early diagnosis of Acute Lung Injury and Acute Respiratory Distress Syndrome.[4] [5] [6] [7]



Waveforms and loops

In the ventilation state, has real-time monitoring 3 waveforms and 3 loops.

Can observe the change in a patient's condition from breath to breath, detect problems related to mechanical ventilation, evaluate the patient's response to interventions, and use this information to adjust therapy as needed.[8]



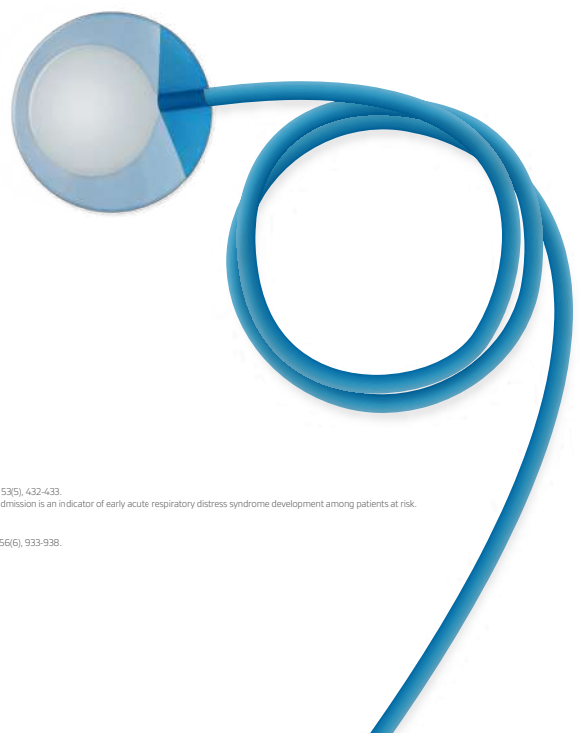
Flow sensor

Adopt proximal flow sensor to accurately measure the inhalation volume of neonates, which is more preciser and safer.



Abdominal breathing sensor*

According to the neonatal unique breathing pattern, abdominal breathing sensor* is adopted to prevent apnea and start apnea back up ventilation on time.



- [4] Dorewamy, S. M., Chakkarapani, A. A., & Murthy, P. (2016). Oxygen saturation index, a noninvasive tool for monitoring hypoxic respiratory failure in newborns. *Indian pediatrics*, 53(5), 432-433.
- [5] Festic, E., Bansal, V., Kor, D. J., Galic, O., & US Critical Illness and Injury Trials Group: Lung Injury Prevention Study Investigators (USCITG-LIPS). (2015). SpO₂/FiO₂ ratio on hospital admission is an indicator of early acute respiratory distress syndrome development among patients at risk. *Journal of intensive care medicine*, 30(4), 209-216.
- [6] <https://www.amperdirect.com/pc/help-pulse-oximeter/z-what-is-pi.html>
- [7] Bazaraa, H., Roby, S., Salah, E., & Algebaly, H. (2021). Assessment of tissue perfusion using the peripheral perfusion index and lactate clearance in shock in pediatric patients. *Shock*, 56(6), 933-938.
- [8] Lian, J. X. (2009). Understanding ventilator waveforms—and how to use them in patient care. *Nursing2020 Critical Care*, 4(1), 43-55.

Intuitive & convenient clinical tools



A reason for being.
Weil Leben Wert ist.



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