



iX5™ ventilator

Quickly access and manage real-time data when treating neonatal, pediatric and adult patients



In the complex, sensory-rich environment of the ICU, clinicians are faced with having to make quick decisions and prioritize care based on multiple information points coming from multiple devices.

The iX5 ventilator's simplified easy-to-use interface was designed to maximize the display of alarm prioritization and critical patient information.

iX5 ClearView™ monitoring screen

The iX5 ventilator has the respiratory monitoring capabilities that clinicians expect when managing critically ill patients. In addition, the iX5 ClearView monitoring screen was designed to help provide clinicians with a clear snapshot of real-time patient data and ventilation status. Clinicians no longer need to be at the bedside to read key patient parameters or assess how much support the patient is receiving. The screen provides:

- Quick clues on patient weaning status and readiness.
- Color-coded lung model to display patient effort.
- Minute ventilation bar that clearly defines respiratory patient effort and support requirements.
- Quick patient assessment from a distance due to the user friendly interface.

Alarm management system

In recent studies, alarm management has been recognized as an area of concern related to ventilator-associated events. A Joint Commission review showed that out of 23 injuries and death reports associated with mechanical ventilation, 65% were related to the malfunction or misuse of alarms.¹ The alarm management capability on the iX5 ventilator ranks the severity of alarms, helping ensure clinicians receive effective audible alerts, so they remain updated and aware of their patient status at all times.



Of 23 injury and death reports associated with mechanical ventilation, 65% were found to be related to the malfunction or misuse of alarms.¹ Studies have shown that the cost of care increases significantly the longer patients are on ventilators. Prolonged mechanical ventilation increases median costs by more than \$27,000 per patient and accounts for 64% of total mechanical ventilation costs.²

The iX5 ventilator manages the patient spectrum in both noninvasive and invasive modes. The durable, high-performing iX5 ventilator provides customers long-term performance and serviceability to ensure an in-service fleet at a low cost of ownership.

High performance ventilation for neonatal environment

The American Academy of Pediatrics and the European Consensus Guidelines on the Management of Neonatal Respiratory Distress Syndrome each recommend the early use of continuous positive airway pressure (CPAP), as it may decrease the need for mechanical ventilation without increase the chance of complications.

iX5 brings the clinically proven Infant Flow™ SIPAP technology that has been demonstrated that patients treated with this resource require less respiratory support and Oxygen compared to conventional CPAP. Infant Flow system also prevent the need of intubation and mechanical ventilation.^{7, 8}

At the other hand, patients with severe respiratory condition requires intubation. In this case, pressure limited ventilation has traditionally been used in neonatal patients. But it's widely proven that high volumes instead of pressure are the main cause of lung injuries in newborns. Then, controlling the tidal volume is the logical protective strategy ventilating these patients.³⁻⁵

iX5 provides the best nCPAP with Infant Flow and biphasic capabilities, but if intubation is needed, modern invasive ventilation modes are available, including Volume guarantee.

Infant Flow system has been shown to:

- *Decrease the need of intubation by 78%*
- *40% less days on respiratory support in patients treated with Biphasic mode⁷*
- *47% of neonates required less oxygen compared to conventional nCPAP⁷*





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