

NKV-550 Series Ventilator System

Treasure
Every Breath®



Treasure Every Breath®

Nihon Kohden's overriding philosophy inherent to the NKV-550 design is to Treasure Every Breath®. Our focus is to provide clinically relevant innovations and solutions for patients requiring mechanical ventilation.

Workflow Optimization

The NKV-550 offers highly customizable screen configurations enabling the ventilator to fit into your paradigm rather than requiring you to adapt to it. Our App based design provides guided processes to help create a more streamlined, systematic way for clinicians to optimize care of their ventilated patients.

Lung Protection

The NKV-550 is created on the basis of the protective ventilation concept and features the Gentle Lung® Suite of applications to provide clinically relevant, easy to use tools for the open-lung approach to ventilation.

Seamless Care

With the NKV-550, patients can be transitioned seamlessly between invasive and non-invasive ventilation and high flow oxygen therapy, and is designed for use with all patient sizes.

Protective Control®

Protective Control® provides the clinician a safe, fully functional second user interface to easily implement needed ventilator setting changes when treating patients with contagious diseases or who are undergoing a radiologic procedure while remaining within sight of the clinician.

Connectivity

The NKV-550 can transfer critical patient ventilation data to the hospital information system for charting and/or data analytics purposes.

Reduced Cost of Ownership

The NKV-550 requires a simple, low-cost preventative maintenance biannually.



Workflow Optimization: Intuitive Interface



App Based Expandability



The Nihon Kohden NKV-550 interface is unique — It uses an intuitive App-based concept, familiar to anyone who uses a smartphone or tablet. This interface makes it easy to add features or customize the layout to fit into your workflow. Your nine favorite apps are always available, and the remainder are a click away.

Lung Protection: Gentle Lung®

Based on decades of clinical research and evidence, the NKV-550 Series Ventilator System provides our Gentle Lung® clinical tools for you to employ the Open Lung Approach to your mechanically ventilated patients.

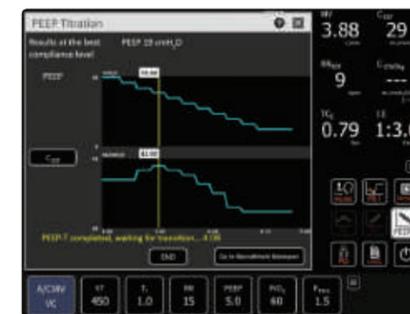


Recruitability Assessment App

The Recruitability Assessment App helps you determine if the patient lungs are recruitable.

Recruitment Maneuver App

The Recruitment Maneuver App may be used to automatically perform a lung recruitment maneuver using the stepwise increase in PEEP.

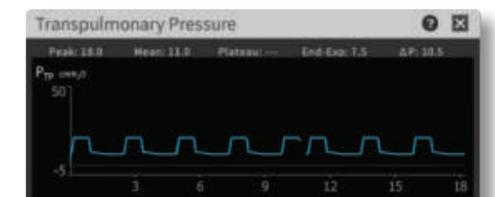


PEEP Titration App

The PEEP Titration App will decrease PEEP in a stepwise manner. At the end of the maneuver, the app will indicate the lowest PEEP that provides the highest lung compliance.

Transpulmonary Pressure App

The Transpulmonary Pressure App monitors the transpulmonary pressure to help individualize a lung protective treatment strategy.



Seamless Care: Intra-hospital Transport



Wheeled trolley with cylinder holder.



Hot swappable battery extends battery run-time.*



*New and fully charged

Seamless Care: Every Patient, Every Breath

The NKV-550 gives clinicians the tools to provide respiratory support for all patient sizes. Patients can be transitioned throughout the continuum of care quickly, between invasive or non-invasive ventilation and high flow oxygen therapy without changing equipment or breathing circuits.

This not only saves the hospital material costs, but also simplifies the workflow of the caregivers and helps reduce the discontinuity of care for patients. Having less medical equipment also reduces the training burden on staff and storage facilities.



Protective Control®

Protective Control® in the NKV-550 is designed to help protect a clinician from biological and radiologic hazards.

Having a second user interface outside the hazardous environment, allows the clinician to respond quickly to changing patient conditions.

This may allow the clinician more time to carefully put on personal protective equipment, rather than rushing preparation and potentially risking exposure.



It is estimated that as many as 42 healthcare workers per million employed die annually from infections acquired at work.¹



¹ Sepkowitz KA and Eisenberg L: Emerging Infectious Diseases Vol. 11, No. 7, July 2005

Connectivity

Both cap-ONE and BluPRO can be used with our NKV-550 Ventilator System:



Weighing about 4 g, the cap-ONE sensor is 90% smaller and 80% lighter than older CO₂ sensors. New technology eliminates the need for a heater, reducing the strain on the endotracheal tube.



From the company that invented SpO₂², Nihon Kohden's BluPRO sensors are available in several styles for all patient sizes and features our Smart Cable — plug and play functionality.



² "Nihon Kohden's Dr. Takuo Aoyagi Receives 2015 IEEE Medal for Innovations in Healthcare Technology," July 2, 2015. <https://www.nihonkohden.com/news/pr/15070201.html>.

Connectivity: Integrated Monitoring

NKV-550 Ventilator connects to Nihon Kohden's Life Scope® G9 (CSM-1900 series) and Life Scope® BSM-6000 series monitors using Nihon Kohden's Communication Cable.

Life Scope® G9 Monitor

Like the NKV-550 Ventilator, the Life Scope G9 bedside monitor upholds the standard of care that Nihon Kohden prides itself on all our devices. With drag-and-drop customizable caregiver specific display options, the G9 can be personalized to each patient and caregiver regardless of the patient's health status or setting within the hospital—giving care teams the confidence that they have the right monitoring solution for each patient, every time.



Life Scope BSM-6000 Series Monitors

The Life Scope BSM-6000 series of monitors offer unrivaled technology that works across the healthcare continuum and realizes our premium-as-standard philosophy, allowing providers to deliver care without compromise. Some of our premium-as-standard capabilities include:

- Comprehensive arrhythmia detection and recall, including advanced Atrial Fibrillation algorithm
- Multi-waveform/multi-parameter full disclosure
- ST segment analysis as well as diagnostic 12 lead ECG capability
- Drug, hemodynamic and pulmonary calculations



Configuration

To use the NKV-550 ventilator with either of these monitors, the ventilator will be configured to communicate with the Life Scope G9 and BSM-6000 series monitors during installation.

For more information on connectivity of the NKV-550 Ventilator with Nihon Kohden products, or others, please contact your Nihon Kohden Ventilation Program Specialist.





For 24/7 ventilator support,
please call **1-855-550-VENT**
or email **ventilator@nihonkohden.com**

Exceptional Solutions, Simply Delivered is a trademark of Nihon Kohden. Treasure Every Breath, cap-ONE, BluPRO, and Life Scope are registered trademarks of Nihon Kohden Corporation. Protective Control and Gentle Lung are registered trademarks of Nihon Kohden OrangeMed, Inc. Aerogen is a registered trademark of Aerogen, Inc.

NKV-550 Series Ventilator System

 **NIHON KOHDEN**

Exceptional Solutions,
Simply Delivered.™