



The birth of a new era
Excellent neonatal respiratory
support at your fingertips

DRÄGER
BABYLOG® VN500

One of the greatest challenges in medicine

Neonatal ventilation is highly complex and challenging. Caring for these small patients is one of the most demanding tasks imaginable, but sending them home after spending days, weeks or even months in a NICU is one of the most rewarding experiences modern medicine has to offer.

To be successful, it takes special commitment to the quality of care required to manage these patients. This is particularly true for mechanical ventilation. To avoid pulmonary injury, immature lungs and underdeveloped breathing regulation mechanisms require extremely gentle ventilation, advanced recognition and compensation technology. High respiration rates and tiny tidal volumes demand the most accurate delivery possible to ensure correct minute volumes.

Because we've been so closely involved with neonatal medicine for decades, we understand the problems and challenges faced by neonatal care specialists. With the new ventilation unit Babylog VN500, part of the IACS Workstation Neonatal Care, Dräger is entering a new era in neonatal ventilation. The Babylog VN500 provides excellent conventional ventilation and High Frequency Oscillation combined with an intuitive user interface operated by a color touch screen. All of this is based on an entirely new platform that will bring innovative technology to neonatal care today.

DEDICATED TO NEONATAL VENTILATION

At Dräger, we're convinced that improved quality and higher performance don't have to translate to increased complexity. The neonatal care environment is fast-paced, and we know that caregivers have enough to think about without having to spend hours learning how to use new technology. Our goal is to give you the tools you need to provide state-of-the-art care without increasing your workload.

The Babylog VN500 combines years of experience and know-how with the latest innovative technology to create a complete, integrated neonatal ventilation solution that can help you move on toward new frontiers.



Excellence in neonatal respiratory support

Introducing the Dräger Babylog® VN500

Smart Pulmonary
View

Flexible transport
and backup solution

Powerful High
Frequency
Oscillation

Intuitive user
interface with
color touch screen

World-class
conventional
neonatal ventilation

Non-invasive
nasal CPAP and
oxygen therapy



D-25930-2009

A component of the
Infinity® Acute Care System™
Workstation Neonatal Care



Smart

Extend your therapy options: The innovative features of the Babylog® VN500 turn data into information and greatly expand your therapeutic potential.

- The Babylog VN500 offers extensive neonatal ventilation therapy, including powerful High Frequency Oscillation, excellent conventional ventilation, nasal CPAP and high flow oxygen therapy. All in one device. And it does not stop there. Additional ventilation therapy features such as Volume Guarantee, PC-MMV¹⁾, ATC²⁾ and automatic leakage compensation extend your therapy options on the NICU and help to further improve the quality of care you can provide.
- High Frequency Oscillation combined with Volume Guarantee maintains and delivers a consistent and conformable tidal volume to the baby. The smart Volume Ventilation option combines consistency, patient comfort and feedback to the user in case of changing patient conditions.
- Smart Pulmonary View® is one of a growing number of Dräger Smart applications, developed to help to reduce your cognitive workload.

1) Pressure Control - Mandatory Minute Ventilation

2) Automatic Tube Compensation

Technology

that works for you

- Integrated process support, such as an automated suctioning maneuver, an automatic day/night screen function, combined with highly customizable user interfaces help you streamline your workflow.
- The Babylog VN500 comes with a context sensitive help function that puts the information you're looking for right on the screen. Need assistance getting started? Preparing the Babylog VN500 couldn't be easier. Follow the online help function to prepare the ventilator for use. The Infinity® ID technology provides detection software to avoid circuit misconnection errors and enables reminders when it's time to replace the patient circuit per departmental policy.
- Our automatic leakage compensation feature maintains sensitive and accurate synchronization even in the face of significant endotracheal tube leakage.
- Apnea Ventilation with AutoReturn provides stable minute ventilation in case of apnea and is automatically discontinued as soon as sufficient spontaneous breathing is detected.



Enter a new world of neonatal ventilation



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D-27785-2009

Mobile

Make technology available whenever you need it: Uninterrupted, high-quality ventilation during transport is an essential part of modern care.

- The Babylog VN500 comes with an internal battery, as power back up and for intra-hospital transport. This keeps you independent from an external power supply for up to 30 minutes while delivering the same, high-quality ventilation.
- For extended intra-hospital transport, the optional PS500 mobile power supply can provide you at least 100 minutes of additional power.
- The electrically driven GS500 mobile air supply provides medical air for extended independence from central compressed air systems. This optional air supply unit gives you added ventilation flexibility without compromising on quality of care.
- The optional Transport Supply Unit (TSU), equipped with cylinder holder, quickly attaches to the Babylog VN500 trolley, allowing flexible, safe and easy transport.

Scalable

Expand your system to suit your needs: The Babylog® VN500 is equipped with standardized interfaces for optimal components, it offers you true scalability and flexibility.

- With optional hardware and software upgrades, you can increase the range of functionality to better suit your specific needs. Add High Frequency Oscillation, Volume Ventilation – there are numerous possibilities to choose from.
- GS500 air supply and PS500 power supply can be added to increase mobility and to provide a reliable backup in case of interruptions in the central gas or power supply.



Standardized

Configure your fleet quickly and easily: A high level of standardization translates to rapid familiarization.

- The Babylog VN500 uses the new user interface developed for the next generation of Dräger devices. Together with the rotary knob, the color touch screen lets the user navigate through the logical and intuitive menu structure. Just touch, turn and confirm.
- The Babylog VN500 can be individually configured to suit your needs. You can choose your own screen options, standard ventilator settings and alarm configurations. Then, you can easily and rapidly transfer configurations between Babylog VN500 devices using a USB memory stick. This feature can save you valuable time when standardizing configurations across your entire unit.

Integrated

Optimizing your workflow: The Babylog® VN500 is a component of the Dräger Infinity® Acute Care System™.

- Our Infinity® Acute Care System™ approach focuses on your workflow and clinical process optimization. It's designed to help reduce complexity and overcome technical limitations. As a component of this system you will be able to apply innovative new technology to neonatal care now and in the future.
- In the NICU the Babylog VN500 can provide flexible mounting solutions to optimize your workplace ergonomics. Its low noise levels (≤ 45 dB(A)) support a calm and comfortable environment for the baby.
- The modular Infinity® Service Concept can be tailored to your specific needs. Everything from basic to comprehensive maintenance plans is available. These packages help you to get the most out of your fleet of Infinity® devices.

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