

# Dräger Babylog<sup>®</sup> VN800 Neonatal Intensive Care Ventilation

Babylog® VN800 comes with a new user interface and design which makes operation easier and more efficient. The neonatal ventilator supports lung and brain protective ventilation modes throughout the whole respiratory cycle and can be easily integrated in a developmental care friendly workplace.



## **Benefits**

#### Operation principle and user interface

The brilliant user interface combined with a timely glass touch technology supports intuitive operation and lowers education times and possible errors.

- Quick and safe to operate even in the most stressful situations due to intuitive menu access to both settings and your clinical data.
- All patient data, alarms and trends are fully recorded. Conveniently exported via USB interface.
- Switch between multiple view configurations with the touch of a finger.
- Step-by-step guidance leads you through every procedure.
- Easy to read and navigate thanks to our new colour concept and glass touch display.
- The 360° alarm light flashes in the color of the corresponding alarm priority and is visible from every direction.

#### Lung and brain protective ventilation

Our set of treatment tools supports you in applying the right protective lung and brain ventilation strategy in order to prevent lung injury, haemodynamic and neurological impairment.

- Dedicated invasive and non-invasive ventilation capabilities including high-flow oxygen therapy
- Lung and brain protective ventilation due to automated pressure regulation with the original Dräger Volume Guarantee
- Lung and brain protective ventilation due to High Frequency Ventilation with Volume Guarantee (HFO-VG)
- Stable minute ventilation and protective weaning with Mandatory Minute Ventilation (PC-MMV/VG+PS)
- Maintain reliable and sensitive triggering and stable lung tidal volumes with original Dräger leak adaptation and leak compensation technology
- Proportional support for compensation of ETT resistances

#### Care-centered workplaces

From delivery to discharge: As your specialist in acute care, we want to accompany you through your clinical patient pathway and enable a developmental care- friendly environment to support all of the complex needs of the developing lung, brain and other organs. We do this through our wide range of products and solutions for L&D, transportation, and the NICU. Our products:

- are compatible with each other and work with the same Dräger operating philosophy
- give you a flexible workplace integration with different cockpit sizes and mounting possibilities
- offer low operational noise levels even during High Frequency Ventilation or non-invasive ventilation to provide a silent environment for the baby, the parents and for NICU staff
- provide you with effective infection prevention thanks to easy cleaning of the glass touch screen and other smooth surfaces
- come with longer circuits and cables which allow staff and parents to remove the baby from the incubator for kangaroo time without compromising the baby's ventilation

## **Benefits**

- include a broad range of Dräger accessories with optimised circuits for High Frequency Ventilation and non-invasive interface Babyflow Plus
- support patient transport with external and internal power supply, bed coupling for incubator or bed and transport supply unit

### Connectivity

We envision a future of acute care where medical devices are connected as a system. Interoperability between different devices can help to avoid preventable medical errors and potentially serious inefficiencies. The new standardised network protocol named SDC makes the safe and dynamic connectivity in the hospital possible which will allow interoperability of medical devices in the future.

Our first step will be connectivity through CC300:

- Full HL7 data export to HIS: reliability exchange high-quality data in a standardised format between medical devices and EMR.
- Future-proof open connectivity: standardised and secure communication between medical devices with a high level of cyber security.

### **Comprehensive Services**

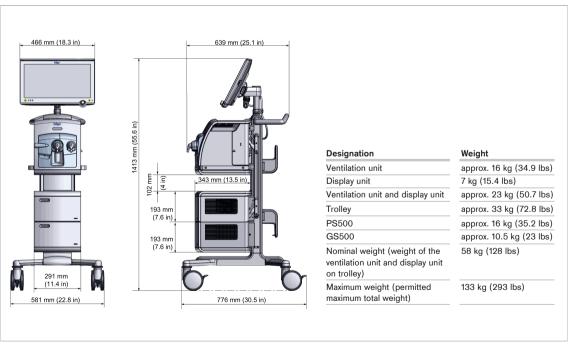
Our comprehensive consulting and support services ensure maximum performance in more fields than you would expect.

- Product service such as inspection and device maintenance to ensure a maximum uptime
- Professional service like IT consulting and system integration
- Online and class-room trainings
- Multivendor service
- Digital services like network-based services and analysis of device data
- Access to online neonatal community BabyFirst community for clinicians and parents of premature babies.
   Visit www.babyfirst.com.

## **Awards**



# **Physical Specifications**



Dimensions and weights of the Babylog VN800

## Accessories



#### **Neonatal Ventilation Accessories**

Dräger original neonatal ventilation accessories are suitable for different ventilation strategies and have an optimised length (e.g for strong HFOV and with long circuits for kangaroo care), pressure transmittion and humidification performance. Our accessories work with full compatibility with our neonatal ventilator Babylog. Find them all in our neonatal accessories catalogue.

## Related Products



### Dräger Babyleo® TN500

The Babyleo® TN500 is Dräger's first IncuWarmer that provides optimal thermoregulation for neonates in open care, closed care, and transition. With the combination of three heat sources, this device protects your little patients so they can grow while making your workflow easier with quick and comfortable access to the baby.



## Isolette® 8000 plus

Dräger sets the standard for thermoregulation with a host of performance features designed to provide a stable, cocoon-like environment for the baby. To ensure that the Thermo-Neutral Zone is maintained, the Isolette® 8000 plus enables you to continuously monitor both the central and peripheral body temperature.

## Related Products



### **Dräger Jaundice Meter JM-105**

The Dräger Jaundice Meter JM-105 gives you consistent quality screening, cost-effectively delivered over the lifetime of the device. As a result you optimize the efficiency of your jaundice management program, which can help save time and money while delivering an exceptional standard of care.



## **BiliLux**

The BiliLux is a compact and lightweight LED phototherapy light system for the treatment of neonatal unconjugated hyperbilirubinemia. It provides superior phototherapy performance, individualised therapy with electronic documentation capabilities, and the flexibility for seamless integration into practically every workplace.



### Seattle PAP plus - Bubble CPAP System

Helping infants with respiratory distress breathe easier.<sup>3</sup> The Seattle-Positive Airway Pressure (PAP) system is an innovation which uses the proven advantages of Bubble CPAP therapy, such as oscillatory effects similar to high frequency ventilation<sup>1, 2</sup> combined with a unique design.

| Patient type                                                        | Paediatric patients, neonates                                      |
|---------------------------------------------------------------------|--------------------------------------------------------------------|
|                                                                     |                                                                    |
| Ventilation settings                                                |                                                                    |
| Ventilation mode                                                    | Pressure controlled ventilation:                                   |
|                                                                     | - PC-CMV                                                           |
|                                                                     | - PC-SIMV                                                          |
|                                                                     | - PC-AC                                                            |
|                                                                     | - PC-APRV<br>- PC-PSV                                              |
|                                                                     |                                                                    |
|                                                                     | - PC-HFO<br>- PC-MMV                                               |
|                                                                     |                                                                    |
|                                                                     | Support of spontaneous breathing:  - SPN-CPAP/PS                   |
|                                                                     | - SPN-CPAP/VS                                                      |
|                                                                     | - SPN-CPAP                                                         |
|                                                                     | - SPN-PPS                                                          |
| Enhancements                                                        | Volume Guarantee/HF-Volume Guarantee                               |
| Emanocinciito                                                       | Smart Pulmonary View                                               |
|                                                                     | <ul> <li>Automatic Tube Compensation (ATC®)<sup>4</sup></li> </ul> |
|                                                                     | - APRV-AutoRelease®                                                |
|                                                                     | Apnoea ventilation                                                 |
|                                                                     | Automatic flow adjustment                                          |
| Special procedures                                                  | - Suction manoeuvre                                                |
| opecial procedures                                                  | Manual inspiration/hold                                            |
|                                                                     | Medication nebulisation                                            |
| Therapy types                                                       | Invasive ventilation (Tube tracheostomy)                           |
|                                                                     | Non-invasive ventilation (NIV)                                     |
|                                                                     | - O <sub>2</sub> -therapy                                          |
| Respiratory rate (RR)                                               | Paediatric patients, Neonates 0.5 to 150/min                       |
| Inspiratory time (Ti)                                               | Paediatric patients, Neonates 0.1 to 3 s                           |
| Maximum inspiratory time for supported breaths (Timax)              | Paediatric patients 0.1 to 4 s                                     |
|                                                                     | Neonates 0.1 to 1.5 s                                              |
| Tidal volume (VT)                                                   | Paediatric patients 20 to 300 mL                                   |
|                                                                     | Neonates 2 to 100 mL                                               |
| Inspiratory flow (Flow)                                             | Paediatric patients, Neonates 2 to 30 L/min                        |
| Maximum flow during non-invasive ventilation of neonates (Flow max) | 0 to 30 L/min                                                      |
| Respiratory rate during apnea ventilation (RRapn)                   | 2 to 150 min                                                       |
| Inspiratory pressure (Pinsp)                                        | 1 to 80 mbar (or hPa or cmH <sub>2</sub> O)                        |
| Pressure limitation (Pmax)                                          | 2 to 100 mbar (or hPa or cmH <sub>2</sub> O)                       |
| Positive end-expiratory pressure (PEEP)                             | 0 to 35 mbar (or hPa or cmH <sub>2</sub> O)                        |
| Pressure rise time (Slope)                                          | Paediatric patients 0 to 2 s                                       |
|                                                                     | Neonates 0 to 1.5 s                                                |
| O <sub>2</sub> concentration (FiO <sub>2</sub> )                    | 21 to 100 Vol.%                                                    |
| Trigger threshold (Trigger)                                         | 0.2 to 5 L/min                                                     |
| Pressure support (Psupp)                                            | 0 to 80 mbar (or hPa or cmH <sub>2</sub> O)                        |
| Automatic Tube Compensation (ATC*)                                  | Inner diameter of the tube Ø                                       |

| Tidal volume measurement                               | Tidal Volume, leakage-corrected (VT)                                                                                                                                 |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                        | Spontaneous expiratory minute volume, overall, not leakage-<br>corrected (MVespon)<br>Range 0 to 30 L/min, BTPS                                                      |
|                                                        | Mandatory expiratory minute volume, overall, not leakage-<br>corrected (MVemand)                                                                                     |
| Minute volume measurement                              | Expiratory minute volume, overall, not leakage-corrected (MVe) Inspiratory minute volume, overall, not leakage-corrected (MVi) Minute volume, leakage-corrected (MV) |
| Flow Measurement (proximal)                            |                                                                                                                                                                      |
|                                                        |                                                                                                                                                                      |
|                                                        | Range -60 to 120 mbar (or hPa or cmH <sub>2</sub> O)                                                                                                                 |
|                                                        | End-inspiratory pressure for mandatory breaths (EIP) Upper pressure level in APRV (Phigh)                                                                            |
|                                                        | Lower pressure level in APRV (Plow)                                                                                                                                  |
|                                                        | Minimum airway pressure (Pmin)                                                                                                                                       |
|                                                        | Mean airway pressure (Pmean)                                                                                                                                         |
| Annay pressure measurement                             | Peak Inspiratory Pressure (PEEP)                                                                                                                                     |
| Displayed measured values  Airway pressure measurement | Positive end-expiratory pressure (PEEP)                                                                                                                              |
|                                                        |                                                                                                                                                                      |
|                                                        | O <sub>2</sub> concentration FiO <sub>2</sub> 21 to 100 Vol%                                                                                                         |
| O <sub>2</sub> -therapy                                | Continuous Flow 2 to 50 L/min                                                                                                                                        |
|                                                        | On: complete compensation active     Off: only trigger compensation active                                                                                           |
| Leakage compensation                                   | <ul><li>On, off</li><li>On: complete compensation active</li></ul>                                                                                                   |
|                                                        | - Sigh inspiratory time (Tisigh) 0.1 to 3 s                                                                                                                          |
|                                                        | <ul> <li>Sigh pressure rise time (Slope sigh) Pediatric patients 0<br/>to 2 s, Neonates 0 to 1.5 s</li> </ul>                                                        |
|                                                        | <ul> <li>Respiratory rate of sigh (RRsigh) 0 to 30/min</li> </ul>                                                                                                    |
|                                                        | <ul> <li>Sigh pressure (Psigh) 6 to 80 mbar (or hPA or cmH<sub>2</sub>O)</li> </ul>                                                                                  |
|                                                        | <ul> <li>Tidal volume (VThf) 0.2 to 40 mL</li> </ul>                                                                                                                 |
|                                                        | 5 to 90 mbar (or hPA or cmH <sub>2</sub> O)                                                                                                                          |
|                                                        | cmH <sub>2</sub> O)  – Maximum pressure amplitude (Ampl hf max) in HFO (VG)                                                                                          |
|                                                        | <ul> <li>Pressure amplitude (Ampl hf) 5 to 90 mbar (or hPA or</li> </ul>                                                                                             |
|                                                        | - Frequency of oscillation (fhf) 5 to 20 Hz - I to E (I:Ehf) 1:1 to 1:3                                                                                              |
| High Frequency Oscillation (PC-HFO)                    | <ul> <li>Mean airway pressure (MAPhf) 5 to 50 mbar (or hPA or cmH<sub>2</sub>O)</li> </ul>                                                                           |
|                                                        | Degree of tube compensation 0 to 100 %                                                                                                                               |
|                                                        | <ul> <li>Tracheostomy tube</li> <li>Paediatric patients 2.5 to 8 mm (0.1 to 0.31 inch)</li> </ul>                                                                    |
|                                                        | Neonates 2 to 5 mm (0.08 to 0.2 inch)                                                                                                                                |
|                                                        | Paediatric patients 2 to 8 mm (0.08 to 0.31 inch)                                                                                                                    |
|                                                        | - Endotracheal tube                                                                                                                                                  |

|                                                              | Mandatory tidal volume, leakage-corrected (VTmand) Spontaneous tidal volume, leakage-corrected (VTspon) |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
|                                                              | Inspiratory tidal volume, not leakage-corrected (VTi)                                                   |
|                                                              | Expiratory tidal volume, not leakage-corrected (VTe)                                                    |
|                                                              | Mandatory inspiratory tidal volume, not leakage-corrected (VTimand)                                     |
|                                                              | Mandatory expiratory tidal volume, not leakage-corrected (VTemand)                                      |
|                                                              | Spontaneous inspiratory tidal volume, not leakage-corrected                                             |
|                                                              | (VTispon)  Spontaneous expiratory tidal volume, not leakage-corrected (VTespon)                         |
|                                                              | Range 0 to 1000 mL, BTPS                                                                                |
| Respiratory rate measurement                                 | Respiratory rate (RR)                                                                                   |
| toophiatory rate measurement                                 | Mandatory respiratory rate (RRmand)                                                                     |
|                                                              | Respiratory rate of triggered mandatory breaths (RRtrig)                                                |
|                                                              | Spontaneous respiratory rate (RRspon)                                                                   |
|                                                              | Range 0 to 300/min                                                                                      |
| O <sub>2</sub> measurement (inspiratory side)                | Inspiratory O <sub>2</sub> concentration (in dry air) (FiO <sub>2</sub> )                               |
| . , , ,                                                      | Range 18 to 100 Vol%                                                                                    |
| CO <sub>2</sub> measurement in main flow                     | End-tidal CO <sub>2</sub> concentration (etCO <sub>2</sub> )                                            |
| (paediatric patients only)                                   | Range 0 to 100 mmHg                                                                                     |
| Displayed calculated values                                  |                                                                                                         |
| Dynamic compliance (Cdyn)                                    | Range 0 to 100 mL/mbar (or mL/hPa or mL/cmH <sub>2</sub> O)                                             |
| Elastance (E)                                                | Paediatric patients 0 to 9999 mbar/L (or hPa/L or cmH <sub>2</sub> O/L)                                 |
|                                                              | Neonates 0 to 10 mbar/mL (or hPa/mL or cmH <sub>2</sub> O/mL)                                           |
| Resistance (R)                                               | Range 0 to 1000 mbar/L/s (or hPa/L/s or cmH <sub>2</sub> O/L/s)                                         |
| Airway resistance of the patient (Rpat)                      | Range 0 to 1000 mbar/L/s (or hPa/L/s or cmH <sub>2</sub> O/L/s)                                         |
| Leakage minute volume (MVleak)                               | Range 0 to 30 L/min, BTPS                                                                               |
| Rapid shallow breathing index (RSBI)                         | Paediatric patients 0 to 9999 (/min/L)                                                                  |
|                                                              | Neonates 0 to 300 (/min/L)                                                                              |
| Waveform displays                                            | Airway pressure Paw (t) -30 to 100 mbar (or hPa or cmH <sub>2</sub> O)                                  |
|                                                              | Flow (t) -40 to 40 L/min                                                                                |
|                                                              | Volume V (t) 2 to 300 mL                                                                                |
|                                                              | CO <sub>2</sub> (t) 0 to 100 mmHg                                                                       |
| Alarms / Monitoring                                          |                                                                                                         |
| Expiratory minute volume (MVe)                               | High / Low                                                                                              |
| Airway pressure (Paw)                                        | High                                                                                                    |
| Inspiratory O <sub>2</sub> concentration (FiO <sub>2</sub> ) | High / Low                                                                                              |
| End-tidal CO <sub>2</sub> concentration (etCO <sub>2</sub> ) | High / Low                                                                                              |
| Respiratory rate (RR)                                        | High                                                                                                    |
| Volume monitoring (VT)                                       | Low                                                                                                     |
| Apnoea alarm time (Tapn)                                     | 5 to 60 seconds, Off                                                                                    |
| Disconnection alarm time (Tdiscon)                           | 0 to 60 seconds                                                                                         |
| Disconnection alain time (Tuiscon)                           | 0 10 00 Seconds                                                                                         |

| Control principle                                                                                                                                                                                                                                                                                             | Time-cycled, volume-constant, pressure-controlled                                                                                                                                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Length of intermittent PEEP                                                                                                                                                                                                                                                                                   | 1 to 20 expiratory cycles                                                                                                                                                                                                                                                            |
| Medication nebulisation                                                                                                                                                                                                                                                                                       | For 5, 10, 15, 30 minutes, continuously (∞)                                                                                                                                                                                                                                          |
| Inspiratory flow                                                                                                                                                                                                                                                                                              | Paediatrics Max. 60 L/min, BTPS Neonates Max. 30 L/min, BTP                                                                                                                                                                                                                          |
| Base flow, paediatric patients                                                                                                                                                                                                                                                                                | 3 L/min                                                                                                                                                                                                                                                                              |
| Base flow, neonates                                                                                                                                                                                                                                                                                           | 6 L/min                                                                                                                                                                                                                                                                              |
| Base flow during active pneumatic nebulisation, paediatric                                                                                                                                                                                                                                                    | 6 L/min                                                                                                                                                                                                                                                                              |
| patients                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                      |
| Inspiratory valve                                                                                                                                                                                                                                                                                             | Opens if the compressed air supply fails (supply gas flow is                                                                                                                                                                                                                         |
|                                                                                                                                                                                                                                                                                                               | not sufficient to provide the inspiratory flow required), enables                                                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                               | spontaneous breathing with ambient air.                                                                                                                                                                                                                                              |
| Endotracheal suction                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                      |
| Disconnection detected                                                                                                                                                                                                                                                                                        | Automatic                                                                                                                                                                                                                                                                            |
| Reconnection detected                                                                                                                                                                                                                                                                                         | Automatic                                                                                                                                                                                                                                                                            |
| Preoxygenation                                                                                                                                                                                                                                                                                                | Max. 3 minutes                                                                                                                                                                                                                                                                       |
| Active suction phase                                                                                                                                                                                                                                                                                          | Max. 2 minutes                                                                                                                                                                                                                                                                       |
| Postoxygenation                                                                                                                                                                                                                                                                                               | Max. 2 minutes                                                                                                                                                                                                                                                                       |
| Factor for paediatric patients and neonates                                                                                                                                                                                                                                                                   | 1 to 2                                                                                                                                                                                                                                                                               |
| Supply system for spontaneous breathing and Psupp                                                                                                                                                                                                                                                             | Adaptive CPAP system with high initial flow                                                                                                                                                                                                                                          |
| Operating data  Mains power supply                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                      |
| Electric power inlet                                                                                                                                                                                                                                                                                          | 100 V to 240 V, 50/60 Hz                                                                                                                                                                                                                                                             |
| Current consumption                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                      |
| At 230 V                                                                                                                                                                                                                                                                                                      | Max. 1.3 A                                                                                                                                                                                                                                                                           |
| At 100 V                                                                                                                                                                                                                                                                                                      | Max. 3.0 A                                                                                                                                                                                                                                                                           |
| Inrush current                                                                                                                                                                                                                                                                                                | Approx. 8 to 24 A peak                                                                                                                                                                                                                                                               |
|                                                                                                                                                                                                                                                                                                               | Approx. 6 to 17 A quasi-RMS                                                                                                                                                                                                                                                          |
|                                                                                                                                                                                                                                                                                                               | - interess of the second second                                                                                                                                                                                                                                                      |
| Power consumption                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                      |
| Power consumption Maximum                                                                                                                                                                                                                                                                                     | 300 W                                                                                                                                                                                                                                                                                |
| •                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                      |
| Maximum                                                                                                                                                                                                                                                                                                       | 300 W                                                                                                                                                                                                                                                                                |
| Maximum  During ventilation, without charging the battery                                                                                                                                                                                                                                                     | 300 W Approx. 100 W ventilation unit with display unit                                                                                                                                                                                                                               |
| Maximum                                                                                                                                                                                                                                                                                                       | 300 W Approx. 100 W ventilation unit with display unit                                                                                                                                                                                                                               |
| Maximum  During ventilation, without charging the battery  Gas supply  O <sub>2</sub> positive operating pressure                                                                                                                                                                                             | 300 W Approx. 100 W ventilation unit with display unit Approx. 180 W with GS500                                                                                                                                                                                                      |
| Maximum  During ventilation, without charging the battery  Gas supply  O <sub>2</sub> positive operating pressure  Air operating pressure                                                                                                                                                                     | 300 W Approx. 100 W ventilation unit with display unit Approx. 180 W with GS500  2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi)                                                                                                                                                  |
| Maximum  During ventilation, without charging the battery  Gas supply  O <sub>2</sub> positive operating pressure  Air operating pressure  Battery details                                                                                                                                                    | 300 W Approx. 100 W ventilation unit with display unit Approx. 180 W with GS500  2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi)                                                                                                                                                  |
| Maximum During ventilation, without charging the battery  Gas supply                                                                                                                                                                                                                                          | 300 W Approx. 100 W ventilation unit with display unit Approx. 180 W with GS500  2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi) 2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi)  Type NiMH battery, sealed Without GS500 30 minutes                                           |
| Maximum  During ventilation, without charging the battery  Gas supply  O <sub>2</sub> positive operating pressure  Air operating pressure  Battery details  Internal battery of ventilation unit (without PS500)                                                                                              | 300 W Approx. 100 W ventilation unit with display unit Approx. 180 W with GS500  2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi) 2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi)  Type NiMH battery, sealed                                                                    |
| Maximum  During ventilation, without charging the battery  Gas supply  O <sub>2</sub> positive operating pressure  Air operating pressure  Battery details  Internal battery of ventilation unit (without PS500)                                                                                              | 300 W Approx. 100 W ventilation unit with display unit Approx. 180 W with GS500  2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi) 2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi)  Type NiMH battery, sealed Without GS500 30 minutes                                           |
| Maximum  During ventilation, without charging the battery  Gas supply  O <sub>2</sub> positive operating pressure Air operating pressure  Battery details  Internal battery of ventilation unit (without PS500)  Battery runtime if mains power supply is not available                                       | 300 W  Approx. 100 W ventilation unit with display unit Approx. 180 W with GS500  2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi) 2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi)  Type NiMH battery, sealed Without GS500 30 minutes With GS500 15 minutes                    |
| Maximum During ventilation, without charging the battery  Gas supply O <sub>2</sub> positive operating pressure Air operating pressure  Battery details Internal battery of ventilation unit (without PS500) Battery runtime if mains power supply is not available  Batteries in the PS500 power supply unit | 300 W  Approx. 100 W ventilation unit with display unit Approx. 180 W with GS500  2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi) 2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi)  Type NiMH battery, sealed Without GS500 30 minutes With GS500 15 minutes Type LFP batteries |

| Babylog VN800 diagonal screen size | 18.3 inches                                         |
|------------------------------------|-----------------------------------------------------|
| Input / Output ports               | - 3 external RS232 (9-pin) connectors               |
|                                    | <ul> <li>4 USB ports for data collection</li> </ul> |
|                                    | <ul> <li>1 LAN port</li> </ul>                      |
| Touchscreen technology             | Capacitive touchscreen with glass front             |
| Aspect ratio                       | 16:9                                                |
| Resolution                         | 1366 x 768 pixels                                   |
| Digital machine output             | Digital output and input via an RS232 C interface   |
|                                    | Dräger MEDIBUS®, MEDIBUS® comp. and MEDIBUS®.X      |

<sup>&</sup>lt;sup>1</sup> Mechanisms of gas transport during ventilation by high frequency oscillation. J Appl Physiol 1984;56(3):553-563, Chang HK.

BTPS – Body Temperature Pressure Saturated. Measured values relating to the conditions of the patient lung 37° C (98.6° F), steam-saturated gas, ambient pressure.

1 mbar = 100 Pa

Some functionalities are available as an option.

<sup>&</sup>lt;sup>2</sup> High-Frequency Oscillatory Ventilation: Theory and Practical Applications, Jane Pillow, Dräger Booklet 9102693 from 2016

<sup>&</sup>lt;sup>3</sup> Short term evaluation of respiratory effort by premature infants supported with bubble nasal continuous airway pressure using Seattle-PAP and a standard bubble device. PLOS ONE, March 28, 2018, Stephen E. Welty, Craig G. Rusin, Larissa I. Stanberry, George T. Mandy, Alfred L. Gest, Jeremy M. Ford, Carl H. Backes, Jr, C. Peter Richardson, Christopher R. Howard, Thomas N. Hansen, Charles V. Smith

<sup>&</sup>lt;sup>4</sup> ATC®, trademarked by Dräger.

## Notes

Not all products, features, or services are for sale in all countries. Mentioned Trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to www.draeger.com/trademarks to find the current status.

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