



The **Drager Babylog VN500** is a ventilator of neonatal and pediatric patients ranging from 0.88 lbs (0.4 kg) up to 44lbs (20kg). The VN500 offers both mandatory ventilation and ventilation modes for spontaneous breathing. The System can be used on pediatric patients that require temporary or long-term respiratory support. The Ventilator includes the Drager Infinity C Series Medical Cockpit, it can monitor waveform and different ventilation parameters including; Airway pressure, expiratory minute volume, respiratory rate Apnea alarm time, inspiratory O₂ concentration, and end-expiratory CO₂ Concentration. Along with alarms and control settings for the system.

Features

- Individual monitoring views that can be determined by the user
- Standardised, intuitive and user-friendly graphical user interface
- Online help including context-sensitive help functions
- Extended monitoring functions and smart data visualizations
- Smart Pulmonary View provides a graphical display of the compliance and resistance, including spontaneous breathing
- Trending, measured parameters, waveforms and loops



Specifications

Dimensions

(W x H x D) Babylog VN500 and Infinity® C500: 420 mm x 685 mm x 410 mm
(11.5 in x 12.6 in x 16.1 in)

Babylog VN500 and Infinity® C500 on trolley: 577 mm x 1400 mm x 677 mm
(22.7 in x 55.1 in x 26.7 in)

Weight

Babylog VN500 and Infinity® C500 approx. 25 kg (55.1 lbs)

Babylog VN500 and Infinity® C500 on trolley approx. 59 kg (130 lbs)

GS500 approx. 10.5 kg (23 lbs)

PS500 approx. 27 kg (59.5 lbs)

Mounting Adapter for 38 mm pole approx. 2.35 kg (5.18 lbs)

Infinity C500

Diagonal screen size 17"

TFT color touch screen

Input / Output ports – RS232 (9-pin) connectors:

– USB ports for data collection

– 1 DVI for digital video output

– RJ 45 Ethernet connectors

Power

Mains power supply 100 V to 240 V, 50/60 Hz

Gas Supply

O2 pressure 2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi)

Air pressure 2.7 to 6.0 bar (or 270 to 600 kPa or 39 to 87 psi)

Performance Data

Control principle time-cycled, pressure-controlled, volume-constant

Inspiratory flow (BTPS) max. 60 L/min

Base flow, neonates 6 L/min

Base flow, pediatric patients 3 L/min

Display Calculated Values

Leakage minute volume (MVleak) Range 0 to 30 L/min BTPS

Spontaneous portion of minute volume in percent % (MV_{spon}) 0 to 100 %

Compliance (C) Range 0 to 650 mL/mbar (or mL/hPa or mL/cmH₂O)

Resistance (R) Range 0 to 1,000 mbar/(L/s) (or hPa/(L/s) or cmH₂O/(L/s))

Curve displays Airway pressure P_{aw} (t) -30 to 100 mbar (or hPa or cmH₂O)

Flow (t) -40 to 40 L/min

Volume V (t) 2 to 300 mL

CO₂ (t) 0 to 100 mmHg or 0 to 13.2 Vol% (at 1013 mbar (1013 cmH₂O)) or 0 to 13.3 kPa)