

Vivo 40 with Target Volume

The Vivo 40 is a flexible, advanced and clinically safe respiratory solution that enables patients to safely make the transition from hospital to home.

The Vivo 40 provides both invasive and non-invasive respiratory support in PSV, PCV and CPAP mode.

Thanks to the Target Volume feature the delivered inspiratory pressure will automatically be adjusted to ensure a stable tidal volume delivery to the patient.

Target Volume combines the comfort and technical advantages of pressure-limited ventilation with the safety and ease of use of volume ventilation. Target Volume will optimize the delivered tidal volume, adapt to the patients lung mechanics and reduce the need for ventilator adjustments.

Thanks to eSync – our highly responsive Trigger technology – the Vivo 40 synchronizes smoothly with the patient's breathing effort. As the patient demands for a new breath the Vivo 40 responds immediately and delivers the exact pressure required.

Enhanced pressure support mode gives clinical flexibility when needed and a maximum pressure of 40 cmH₂O offers the ability to treat difficult restrictive conditions. Also, when the needs of treating small patients arise, the Paediatric mode offers an extra margin of clinical safety.

An integrated heated humidifier may be included, and the internal battery assures battery operation beyond the external DC supply.

The appealing design together with the intuitive user-interface makes the Vivo 40 an integrated part of any hospital or home environment.



- Target Volume stabilizes tidal volume delivery
- Invasive and Non-Invasive use
- eSync, synchronized breath delivery
- Designed for use at Home or in the Hospital
- Big and easy to read display with simple menu structure
- Designed for a wide range of masks
- Low noise < 30dB(A)
- 3 Ventilation modes, 2 Device modes, 2 Patient modes
- Complete Alarm Package
- Internal battery
- Optional Integrated Heated Humidifier
- Internal data/Calendar memory
- Extensive PC Software
- Small footprint yet stable
- Big and easy to use buttons with backlight
- World wide mains power compatibility
- Flexible DC power options

Technical Specifications

Settings/Performance	
Ventilation Modes	<ul style="list-style-type: none"> • PSV (Pressure Support Ventilation) • PCV (Pressure Control Ventilation) • PSV +Target Volume • PCV +Target Volume • CPAP (Continuous Positive Airway Pressure)
Patients Modes	<ul style="list-style-type: none"> • Adult • Paediatric
Device Modes	<ul style="list-style-type: none"> • Clinical • Home
IPAP/EPAP	4 to 40 cmH ₂ O / 2 to 20 cmH ₂ O or IPAP -2 cmH ₂ O
CPAP	4 to 20 cmH ₂ O
Breath Rate	4 to 40 BPM
Inspiratory Time	0.3 to 5 s
Rise Time	1 to 9
Inspiratory Trigger (eSync)	1 to 9, Off
Expiratory Trigger	1 to 9
Target Volume	200-1500 ml
Expiratory Trigger	1 to 9
Ramp function setting	10 – 60 min, Off (PCV, PSV and CPAP mode)
Humidification setting	1 to 9 (10 to 30 mgH ₂ O/L)
Audible alarm setting	1 to 9
Maximum flow	> 200 litres/min
Minimal Inspiratory Time	Off, 0.3 – 3.0 s
Maximal Inspiratory Time	0.3 – 3.0 s, Off
Noise level (at 10 cmH ₂ O constant pressure)	Less than 30 dB(A)

Indications	
Pressure; bar graph and digital data	0 to 40 cmH ₂ O
Calculated tidal volume accuracy	± 20%
Leakage calculation accuracy	± 20%
Total Breath Rate	BPM (Breaths Per Minute)
I/E Ratio	1 :10 to 10 :1

Power Supplies	
Mains supply	100 to 240 V AC
Internal battery / External battery	Capacity 3.8 Ah / 12/24 V DC
Operating Conditions	
Recommended mask leakage	20 to 40 litres/min at 10 cmH ₂ O
Minimum mask leakage	12 litres/min at 4 cmH ₂ O

Alarms	
Audible Alarm Level	45 to 85 dB(A)
Low pressure alarm, High pressure alarm, Low volume alarm, Low breath rate alarm, High breath rate alarm, Low leakage alarm, High leakage alarm, Low External DC Warning, Low internal battery warning, Low power alarm, Internal function failure alarms.	

Dimensions	
W x H x D	185 x 240 x 227 mm
Weight	4.0 kg
Air outlet	22 mm male conical standard connector

Breas Medical AB reserves the right to make changes to the contents of this Product Specification without any prior notification. August 2009.



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