NEW
Auto-EPAP,* HFNT*, AHI* plus built-in humidifier* with heated wire circuit*

VIVO 45LS – FAQS (FREQUENTLY ASKED QUESTIONS)

What is the size and weight of the Vivo 45LS?
8.50" x 6.26" x 5.98" (216 x 159 x 152 mm); 5.3 lb (2.4 kg)

How does the size compare to the Philips EVO?
The Vivo 45LS is less than half the size and weight of the EVO, 8.50" x 6.26" x 5.98" (318.2 cu. in.) vs 6.48" x 11.25" x 9.65" (703.5 cu. in.) and 5.3 lb vs 10.6 lb.

For whom is the Vivo 45LS indicated?
Pediatric to adult patients weighing 5 kg (11 lbs) or more although the mouthpiece ventilation is for adult patients only.

What types of ventilation does it provide?
Invasive and non-invasive ventilation for Life Support and Non-Life-Support and mouthpiece ventilation. Pressure, Volume and HFNT* modes (17 ventilation modes) plus Auto-EPAP* that works with PSV, PCV and PCV(A) with and without TgV.

What type of humidification does it provide?
Built-in humidifier* for NIV with heated wire circuit* saves space and expense.

How does the Auto-EPAP* work?
Breas unique, patent pending Vivo Auto-EPAP* works without oscillation, maneuvers, test breaths or test pulses. Works with PSV, PCV and PCV(A) with without Targeted tidal volume.

What type of circuits can it use?
Disposable leakage circuits with/without heated wires*, disposable exhalation valve circuits, disposable MPV circuits.

How long is the battery life?
2 hours internal battery, 5.5 hours hot swap, click-in battery. Xpac adds 18 hours (24+ hours total).

What type of trigger technology does it use?
eSync™ patented trigger technology. eSync helps avoid the asynchronous interaction between the patient and ventilator caused by leaks.

What type of advanced monitoring capabilities does it have?
The Vivo 45LS is capable of integrated patient monitoring of FiO_2, SpO_2 and $EtCO_2$, in addition to $PtcCO_2$ device integration. Data is stored in the Vivo 45LS and can be viewed on the monitor as values and curves.

What type of PtcCO$_2$ monitor can it connect to?
Sentec.

What type of data monitoring is available?
Remote connectivity to EveryWare by Breas using iLink cellular modem.

* Modification in accordance with FDA's guidance, Enforcement Policy for Ventilators and Accessories and Other Respiratory Devices During the Coronavirus Disease 2019 (COVID-19) Public Health Emergency.

What is the maximum pressure?
50 cmH$_2$O

How long is the warranty?
24 months from the date of original shipment.

What is the PM schedule?
Replace the blower assembly at 20,000 hours of use. Replace the internal battery when the battery health parameter is below 80% (expected battery lifetime is approximately 3 years).

What are the HCPCS codes for the Vivo 45LS?
E0465 non-invasive home ventilation and E0466 invasive home ventilation.

What is the smallest settable volume?
50 ml in Pediatric mode; 300 ml in Adult mode

Can a low SpO$_2$ alarm be set?
Yes. This alarm requires a connected SpO$_2$ sensor.

Can a high pulse rate alarm be set?
Yes. This alarm requires a connected SpO$_2$ sensor. The High Pulse Rate Alarm will be given when the measured pulse rate exceeds the alarm limit for 15 seconds.

How many patient profiles can be saved?
Three different profiles can be used for storing complete parameter and alarm settings. This function is suitable as a quick selection for a patient using different settings, for example at night or during daytime. The profile settings are defined in Clinical Mode. The choice of profile can be altered in Home Mode.

Can the three profiles be set for different circuit configurations?
Yes.

Is it easy for the patient to switch between profiles?
Yes, a patient can switch between up to three different profiles in home mode, if they have been created by the clinician.

Is there a pre-use test?
Yes, it is used whenever a new circuit configuration is attached. The pre-use test allows the Vivo 45LS to check the resistance inside the circuit and adjust it measurements accordingly. It also checks for the type of circuit that is in use, checks for leaks and measures the circuit compliance If it is not performed, it assumes a 6 ft circuit is attached.

What is the lowest trigger sensitivity setting?
Less than 0.5 l/m.

Is the flow cycle percentage adjustable?
Yes, from 10% – 90%.

How is the AHI* calculated?
The AHI* is a running average of the number of apneas and hypopneas per hour. A hypopnea is recognized when the peak negative flow for each breath is less than 50% of baseline peak negative flow for at least ten seconds, while an apnea is recognized when no inspiratory or timed triggers are detected for a period greater than 10 seconds. AHI* is supported for adult, requires a single limb passive leak circuit where the leakage is no more than 80 l/min, and is available in all pressure modes except SIMV and MPV, along with CPAP.