

# DeVilbiss BLU<sup>3</sup>

Performance · Comfort · Connectivity



[www.tamilnadumedicalsystem.com](http://www.tamilnadumedicalsystem.com)

# DeVilbiss **BLU**

From concept to completion we took a fresh look at how a CPAP platform could help patients across the globe obtain the best possible night's sleep.

Our DeVilbiss Blue series utilises the latest advancements in sleep technology to offer great performance, maximum comfort and the ability to optimally monitor patient therapy.



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# Performance

**Deep Blue** – A powerful new algorithm for detecting and responding to events.

The algorithm in the DeVilbiss Blue sets a new standard of data and performance. Improved sensitivity to a full spectrum of respiratory events means it detects more data and responds to a new level of accuracy, giving the user the most comfortable experience. Its powerful logic allows the DeVilbiss Blue to differentiate and report simple Obstructive Apnoea from more complex scenarios, including Central Apnoea and mixed disease.

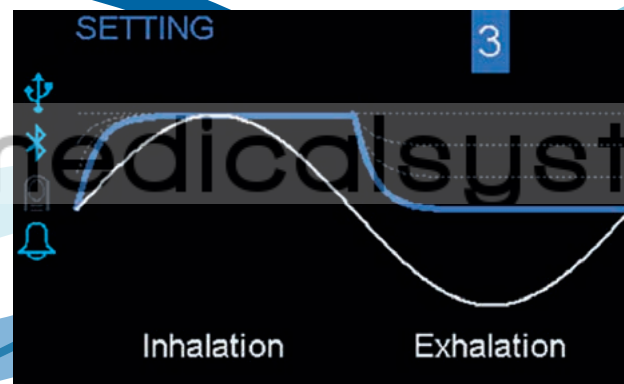
Hypopnoea, obstructive apnoea, snoring, expiratory puffs, leaks, flow limitations, RERAs, central apnoea, periodic breathing are all now detected and reported with DeVilbiss Blue.

**True Blue** – Unrivalled performance from an accurate, stable yet incredibly quiet motor.

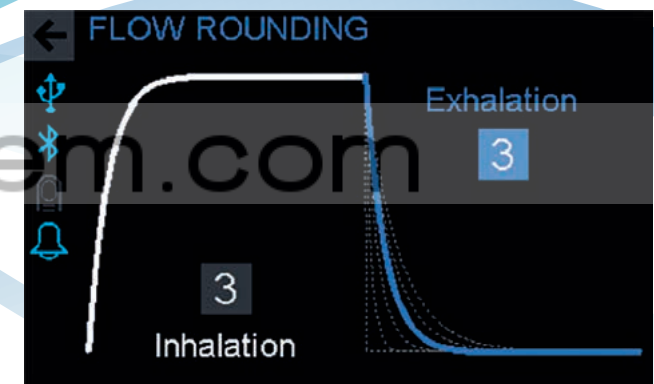
At the heart of a CPAP is its blower motor. An off the shelf motor would just not do. To meet the demanding requirements of DeVilbiss Blue, our engineers started from the ground up designing our own custom motor capable of delivering strong, stable and accurate pressures.

**Clear Blue** – Easy to set-up, easy to use.

Our large colour screen and intuitive control wheel, makes setting up and using DeVilbiss Blue incredibly simple. Graphical displays of functions like SmartFlex and Flow Rounding become easy to interpret and adjust.



Large colour display showing SmartFlex reducing the pressure during exhalation.



Display showing Flow Rounding setting a smooth transition between pressure levels.

DeVilbissBLU $\approx$

# Performance · Comfort · Connectivity

## **Detect more to treat more...**

A new level of performance and data with DeVilbiss Blue. From the advanced algorithm to the custom-made quiet motor, we have designed the DeVilbiss Blue to help patients across the globe obtain the best possible night's sleep.

Innovative features including PulseDose humidification, SmartFlex and Flow Rounding have been designed to maximise patient comfort to optimise CPAP therapy.

Making sure that patients are receiving the optimum CPAP treatment is vital for compliance. There are many ways to connect, transfer and analyse therapy data with the DeVilbiss Blue. Our wireless connectivity options enable CPAP settings to be changed remotely and instantly for faster response to patients needs.



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# Comfort

**Cool Blue** – Maximum comfort, no rain-out.

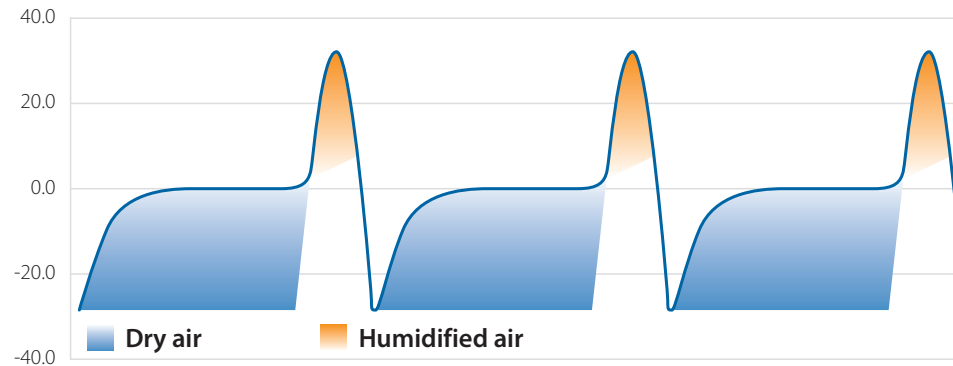
PulseDose humidification is a new technique developed by DeVilbiss to combat nasal congestion and dryness of the throat and nose.

It works by delivering heated humidified air during inhalation only, and non-humidified air during exhalation. This gives the user maximum comfort whilst conserving water and eliminating 'rain-out' from the tubing ensuring a minimum of 8 hours uninterrupted sleep – with no need for an expensive heated tube!

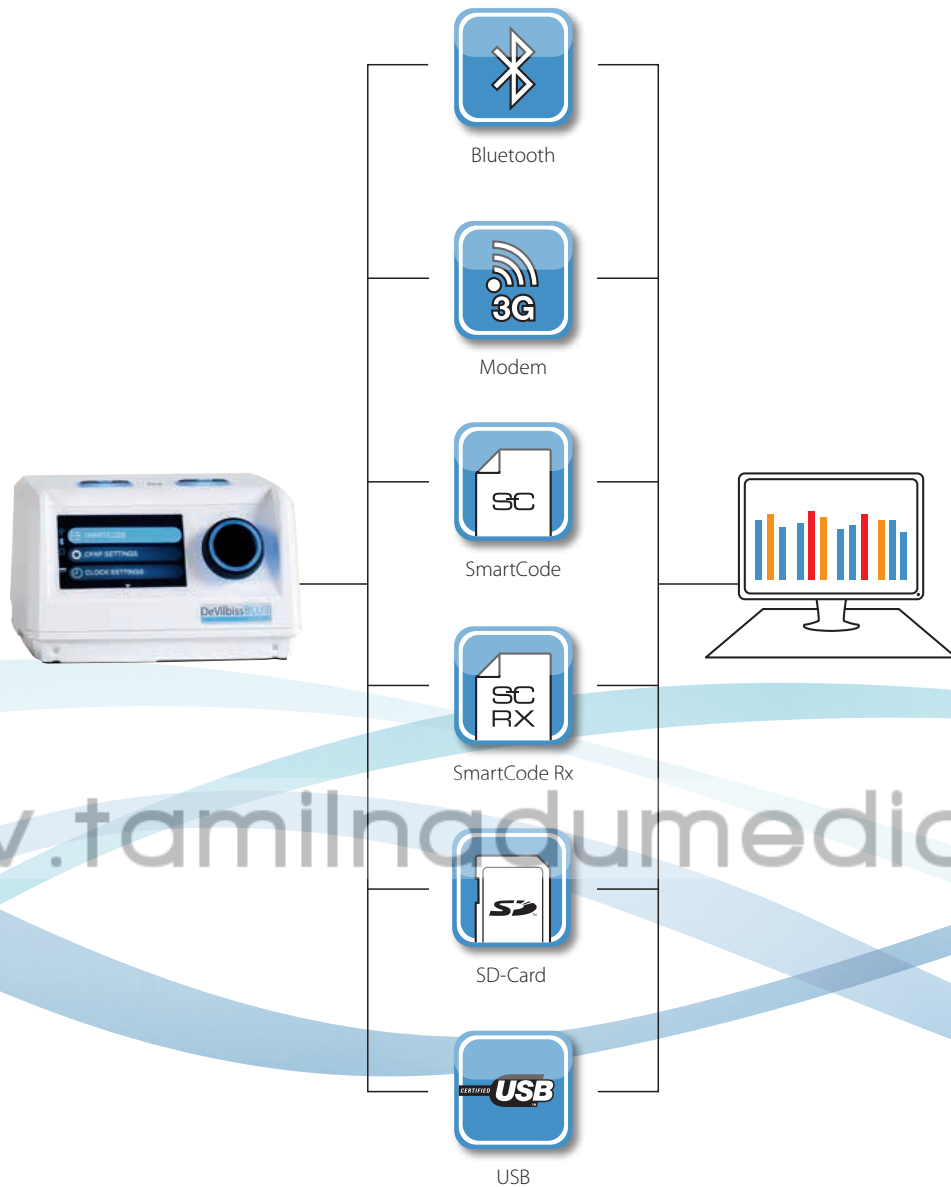
PulseDose humidification consumes the least water compared to traditional heated humidifiers. We offer both standard and PulseDose humidifiers as optional accessories.

## Maintenance Free

Apart from regular cleaning of the filter, we developed the DeVilbiss Blue to be maintenance free for its lifetime. Every device is designed, built and tested to the highest quality by our skilled and dedicated team at our home in Somerset, Pennsylvania.



# Connectivity



**Connect Blue** – Monitoring and improving sleep therapy in any situation.

Treatment adherence is vital to the care of OSA patients. Being able to monitor data and respond rapidly if any changes are needed improves patient compliance leading to a better night's sleep. DeVilbiss Blue has many new ways to transmit and receive data for monitoring and improving sleep therapy.

## **Bluetooth Pulse Oximeter NEW**

Pair a Pulse Oximeter to the DeVilbiss Blue and view SpO<sub>2</sub> data on the CPAP display. Up to 100 hours of oximetry data can be stored in the DeVilbiss Blue for further analysis and reporting with our SmartLink software.

## **Bluetooth Modem**

Send data wirelessly yet securely to a healthcare professional for analysis. If changes to the device settings are required these can be quickly transmitted back to the DeVilbiss Blue.

## **SmartCode**

An innovative way of remotely transmitting key therapy metrics.

## **SmartCode Rx NEW**

A simple, powerful, yet low-cost tool to enable the healthcare professional to remotely change the DeVilbiss Blue prescription settings.

## **SD card / USB**

The DeVilbiss Blue has a port to allow for direct USB connection to a PC or data can be sent and received via an SD card.

# SmartLink 3.0



Usage Statistics			
Total Hours Used:	1,4 Hours		
Pressure Statistics			
Average Pressure:	4,1 mbar	Standard Deviation:	±0,8 mbar
95th Percentile Pressure:	5,0 mbar	90th Percentile Pressure:	5,0 mbar
Max Pressure:	8,0 mbar		
Leak Statistics			
Average Leak:	19,0 L/Min	Standard Deviation:	±2,0 L/Min
95th Percentile Leakage:	22,0 L/Min	% Poor Mask Fit:	0,0% of total
Event Statistics			
Apnea/Hypopnea Index:	8,0 Per hour	Hypopnea Index:	8,0 Per hour
Central Apnea Index:	0,0 Per hour	Obstructive Apnea Index:	0,0 Per hour

SmartLink 3.0 therapy management software is ideal for sleep labs and service management providers as it monitors CPAP usage, patient compliance and evaluates the success of CPAP therapy. For added convenience the SmartLink software is network capable.

A new feature for SmartLink 3.0 is the ability to display and analyse up to 100 hours of high resolution data recorded by the DeVilbiss Blue for a more in-depth and precise view of the patients night sleep.

#### Other key features include

- Breath-by-Breath Analysis
- Inventory Management
- Patient Management
- Overnight Analysis
- Longitudinal Trending
- Reporting

#### Specifications

##### Dimensions (H x W x D)

CPAP 9.4 x 15.5 x 15 cm / CPAP & Humidifier 16.1 x 15.5 x 19.3 cm

##### Weight

CPAP 0.9 kg / CPAP & Humidifier 1.75 kg

##### Pressure Range

3 - 20 cm H<sub>2</sub>O

##### Airline Transport Approved

DeVilbiss Healthcare has a policy of continuing improvement, we therefore reserve the right to vary details at any time without notice. DeVilbiss Blue is a registered trademark of DeVilbiss Healthcare.



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