

Oxy-med[®]
O₂ for healthy living



AirSmart™ ST

BiLevel Device

With the all New **German** Turbine

Provides Backup Rate & Assured Tidal Volume

AirSmart™ ST

BiLevel Device



Bi-Level Device for COPD & Sleep Apnea

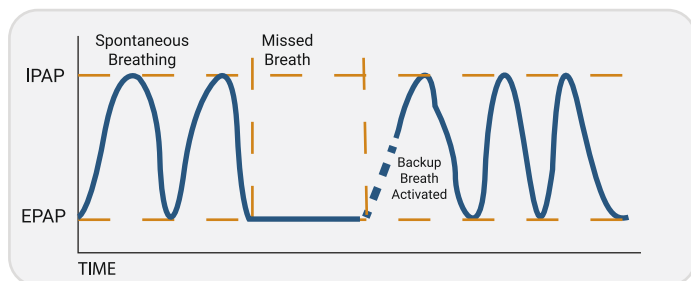
Oxymed **AirSmart™ BiLevel ST** provides non-invasive ventilation for patients with respiratory insufficiency and sleep apnea. Experience the convenience of customizable backup breath rate and Volume Assured Technology to set Target Tidal volume. Perfect for home or hospital use.

Features

Unmatched Durability with the New German Turbine

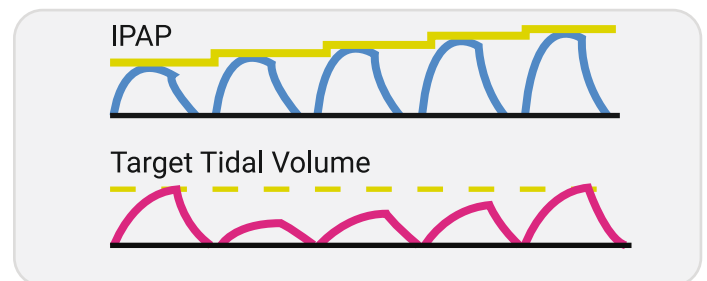
Discover the latest German turbine designed to deliver consistent performance and exceptional durability. Operating at a remarkable speed of 43,000 BPM, this turbine also offers strong leakage compensation up to 60LPM to ensure stability.

Backup Breath Rate



The device syncs with the patient's natural breath. Yet, if no inhalation occurs for a set duration, the **Oxymed AirSmart™ BiLevel ST** delivers a **backup breath rate** to maintain minimal airflow. Its intelligent capability prevents unnecessary assistance during breaks due to coughs or sighs.

Volume Assured Technology (VAT)



Tailoring to individual needs, **Oxymed AirSmart™ BiLevel ST** achieves the desired **Tidal Volume** by automatically adapting pressure support. VAT technology offers personalized relief for Chronic Respiratory Failure, optimizing comfort through customizable IPAP and EPAP settings.

Heated Humidifier

Experience ultimate comfort with the Oxymed Airsmart™ BiLevel ST featuring a detachable heated humidifier for soothing relief from nasal congestion and dry nose during BiLevel therapy.



Ventilation Modes	
CPAP	Continuous Positive Airway Pressure
S	Spontaneous ventilation
T	Timed ventilation
ST	Spontaneous-Timed Ventilation
VAT	Volume Assured Technology
PC	Pressure Control



Designed for **Comfort**



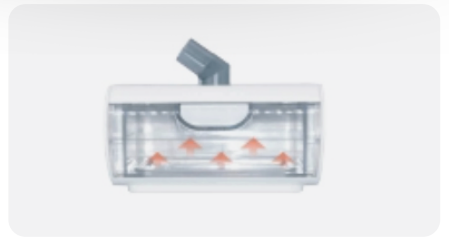
Smart On-Off

Automatic activation when wearing the mask, graceful shutdown upon removal, for an enhanced sleep therapy experience.



Sensor Made in Swiss

Sensor made in Switzerland ensures enhanced comfort and gentle pressure adjustments during therapy



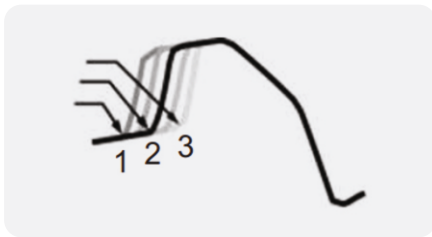
PreHeat

Quickly preheat the device from 23°C to 45°C in just 5 minutes, ensuring optimal humidification right from the start of your therapy



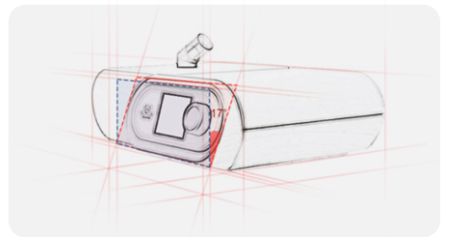
Auto Drying Operation

Automatic drying operation prevents water condensation from entering the patient's airway



Trigger and Shifting Sensitivity

Customize trigger settings between 1 to 3 for each breath, ensuring better patient-device synchronization.



Ergonomic Tilted Display

Colour TFT screen with an ergonomic angle of 17°, which is not only user friendly but interactive too.

AirSmart™ ST
BiLevel Device




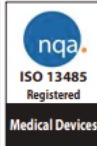
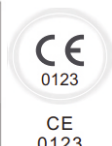
Separable **Design**

Versatile device with a separable humidifier design is perfect for patients who travel frequently and prefer to carry the main device without humidifier.

Specifications

Therapy Modes	CPAP, S, T, S/T, VAT (25ST Model) CPAP, S, T, S/T, VAT, PC (30ST Model)
COMF Pressure Relief	1-3 Levels / Off
Pressure Range	4-25 cmH ₂ O (25ST Model) 4-30 cmH ₂ O (30ST Model)
Ramp Time	0 - 45 mins (5 minute increments)
Ramp Pressure	Patient adjustable
Tidal Volume	0-2000mL
Trigger Sensitivity (S,S/T,PC)	Auto, 1-3 levels
Shifting Sensitivity (S,S/T)	Auto, 1-3 levels
Trigger Locking (S,S/T)	Off, 0.3-1.5 sec
Rise Time	1-6 levels
I: E (S,S/T)	1:3
Humidifier	Heated, Separable Design
Device Controls	Control Wheel with Push Button
Display	Colorful TFT screen with a ergonomic angle of 17°
Data Storage Capacity	180 days of summary data, with 16 GB USB storage
Leakage compensation	Auto Leakage Compensation (Upto 60 L/min)
Altitude compensation	Auto Height compensation
Dimensions	30.0cm L x 21.0cm W x 13.5cm H
Weight	1.20 kg (Device only) 2.027 kg (With Humidifier)
Electrical Requirements	100-240 VAC, 50/60Hz
Sound level	32 dB*

*At pressure: 10cmH₂O in CPAP mode

Parameters Locking	On / Off
Humidification Levels	On / Off (Level 1-5)
Preheat	5 minutes from 23°C to 45°C
Water Tank capacity	320mL +/-10mL
Leak Alert	Yes
Central Sleep Apnea (CSA) Detection	Yes
Auto Dry	On / Off
Event monitor	6 kinds of event detection: Hypopnea, OSA, CSA, Airflow Limitation, Continuous Snoring, Bulk Air Leakage
Alarms	Over 8 Real-time alerts for tubing/mask leak, over high pressure, tube blocking etc.
Quality standards	  
Spo2 Oximetry	Compatible (Probe to be purchased separately)
Turbine	Made in Germany
Sensor	Made in Switzerland
Warranty	2 Years
Operating Temperature	5°C to 35°C Relative Humidity: 115% - 95% (Non-condensate)
Storage Temperature	-10°C to 55°C Relative Humidity: 15% - 95% (Non-condensate)

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