

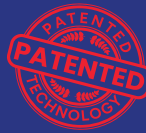
VENTISENSE

HEMOCARE VENTILATOR



**The Power of Life
Restarted with 100% Oxygen!**

High FiO₂ Performance and Optimum Oxygen Utilization



Patented Technology for Unmatched Oxygen Efficiency

High FiO₂ performance delivers up to 100% oxygen therapy by ensuring maximum oxygen saturation. This feature allows patients to receive the oxygen they need in the most effective way possible.

At the same time, optimal oxygen utilization ensures efficient use of oxygen sources, reducing costs and minimizing resource waste.



High-Quality Oxygen (O₂) Sensor



Ventisense uses ultrasonic technology to measure oxygen saturation with high precision. With a 10-year lifespan that requires no replacement, it ensures long-lasting reliable performance.



VENTISENSE



Safe and Comfortable Breathing with Ventisense

Ventisense provides reliable, user-friendly, and customizable respiratory support for adult and pediatric tracheostomy patients. With easy maintenance and hygiene, it is an ideal solution for both patients and healthcare professionals.

Filtering during inspiration and expiration.



Easy of Use in Two Orientations: Vertical and Horizontal

The automatic screen rotation feature allows the device to be used both vertically and horizontally, providing a flexible treatment experience to suit the user's needs.



Vertical Use



Horizontal Use



Minimum 50 ml Tidal Volume for Precise Support

Small-volume respiratory support provides effective treatment by delivering a minimum tidal volume of 50 ml, meeting the critical threshold for safe and compatible respiratory assistance in pediatric patients.

CAN BE USED EVEN IN PEDIATRIC PATIENTS

Designed to meet the unique needs of pediatric patients, small-volume respiratory support ensures both comfort and effectiveness by adapting to the physiological characteristics of children.

Note: Cannot be used in newborn patients.



VENTISENSE

With You Anywhere



Weight Only 2.8 kg, Ventisense Offers Easy Portability and Convenience

Advanced Technology and Innovative Software Design

Nefes Medikal not only manufactures the device, but also makes software, electronics and mechanical designs in its own facilities. By developing innovative technologies, the company ensures complete control and superior quality, improving the reliability and performance of respiratory devices.

- **Fast and efficient algorithm with 480MHz microcontroller and digital precision sensors.**

Auto Setting Change

Algorithm that automatically switches between settings in the event of an alarm.

7" TFT-LCD Touch Screen

Easy operation with capacitive touchpad. Suitable for use with gloves.

Precision Digital Sensors

Circuit Leakage Measurement

It has the sensitivity to measure and display leaks over 0.6 LPM with the help of a sensitive flow sensor.

Built-in Temperature and Humidity Sensor

Sensitive sensors measure the temperature and humidity of the ambient air and monitor it on screen.

Built-in Airway Temperature Measurement

Built-in Acceleration Sensor

Motion and position detection, fall detection.

A Breath of Innovation in Technology



Ease of Fixing / Mounting In The Use Environment

Ventisense can be mounted to a sheet metal plate with 4 M5 bolts, thanks to the nuts embedded into the body. Fixing to poles or legs by stretching with the help of lugs on the body with the belt.



8 Language Support

Turkish, English, German, Spanish, French, Chinese, Russian and Arabic.



Long Battery Life

92Wh built-in battery provides an average of 8 hours of continuous operation during power outages.



Live Graphical Monitoring

Pressure, Flow and Volume waveforms.



39 Monitoring Parameters

Fully customizable monitoring screens according to your needs.





Device Specifications



Dimensions: 275 x 275 x 145mm



Weight: 2.8 kg



Frequency: 4-60 bpm



Pressure: 3-60 mbar



Power Source: 100-240VAC 50/60 Hz - 24VDC 120W



Internal Battery: 92Wh Li-Ion 8 Hours Backup



Tidal Volume: 50-2000 ml



Operating Modes: PCV, VCV, PCV-A, VCV-A, SIMV-V, SIMV-P, PSV, BiLEVEL, CPAP, HFO

VENTISENSE 40

VENTISENSE 60

VENTISENSE PRO

FEATURES

Adult		✓	✓
Pediatric	✓		✓
Frequency (4 -30 bpm)		✓	✓
Frequency (4 - 60 bpm)	✓		✓
Pressure (3 - 40 mbar)	✓		✓
Pressure (3 - 60 mbar)		✓	✓
Volume (50 - 200 ml)	✓		✓
Volume (200 - 2000 ml)		✓	✓

VENTI
SENSE

VENTI SENSE

Ultrasonic Technology

10 Year Lifetime Without Replacement.





AIRPAP: Reliable Breathing Support for Comfortable Sleep

Home Care Respiratory Therapy Devices

With its **4.3-inch color touchscreen** and simple interface, AIRPAP offers a high level of user experience.

By humidifying the cold air outside, it allows you to continue your treatment comfortably with **soft and warm air**.



Advanced Filtering



365 Days of Data Logging



Integrated Humidifier



Quiet



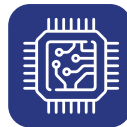
Automatic Start and Stop



RESFLEX Feature



Adjustable Screen Brightness



Fast Processor (480 MHz)



Ramp Feature



Digital Pressure and Flow Sensor





Enhanced Comfort and User-Friendly Design



AIRPAP MODELS

MODS	CPAP	AUTOCPAP	BiLEVEL	AUTOBiLEVEL	BiLEVEL-ST	BiLEVEL-VT	ASV
CPAP	✓	✓	✓	✓	✓	✓	✓
AUTOCPAP		✓	✓	✓	✓	✓	✓
BiLEVEL S			✓	✓	✓	✓	✓
AUTOBiLEVEL				✓	✓	✓	✓
BiLEVEL T					✓	✓	✓
BiLEVEL ST					✓	✓	✓
BiLEVEL VT						✓	✓
ASV							✓

Device Specifications



Dimensions: 270 x 175 x 124mm



Weight: 1.72 kg



Pressure Range: 3-20 mbar (CPAP, AUTOCPAP)
3-25 mbar (BiLEVEL, AUTOBiLEVEL)
3-35 mbar (BiLEVEL-ST, BiLEVEL-VT, ASV)



Ramp: 5-60 min



Heater Adjustment



Integrated Humidifier



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Product Conformity and Certification

Airpap Sleep and Respiratory Therapy Device and Ventisense Mechanical Ventilator Device produced by our company have been certified with CE certificate within the scope of Medical Device Regulation (MDR) 2017/745. These certificates guarantee that our devices comply with European Union legislation and are manufactured at high quality standards.