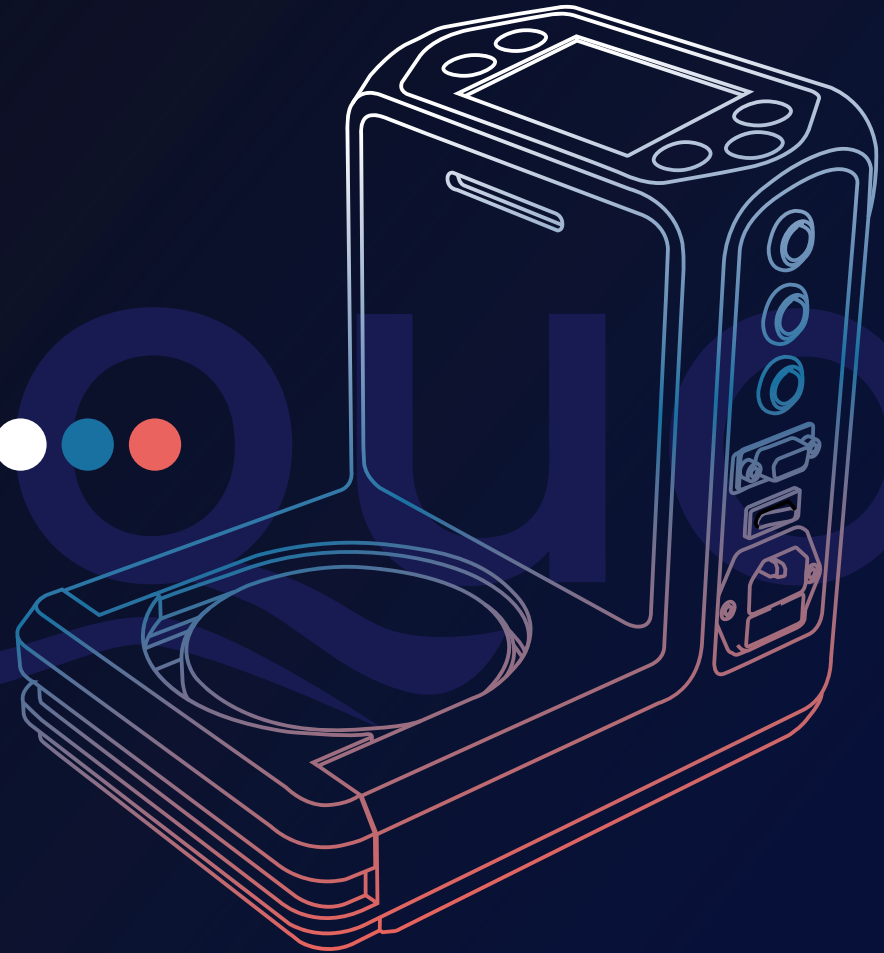


# BIOAQUA

Ventilator Compatible  
Humidifier Device



Innovative Technology ●●●





## INNOVATIVE MEDICAL TECHNOLOGIES

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Leading edge in ventilation and respiratory equipment

Biosys has been producing innovative medical technologies since 2012, bringing together expert engineers with extensive R&D experience and field expertise, along with highly skilled doctors.

By identifying the needs of the industry, Biosys creates next-generation solutions.

Biosys continuously working to improve healthcare services worldwide and to ensure that more people can access these services.



**15000+**  
Devices



**30+**  
Countries



**20**  
Delivery in less  
than twenty days

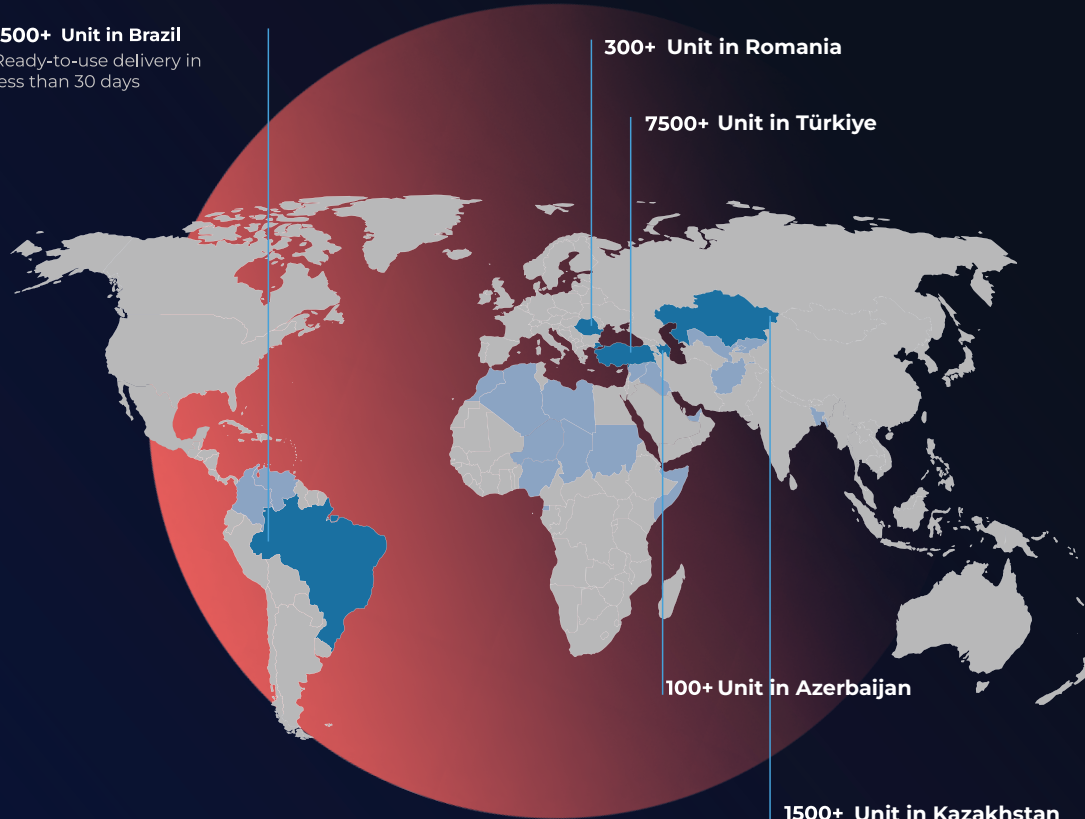
**1500+ Unit in Brazil**  
Ready-to-use delivery in  
less than 30 days

**300+ Unit in Romania**

**7500+ Unit in Türkiye**

**100+ Unit in Azerbaijan**

**1500+ Unit in Kazakhstan**





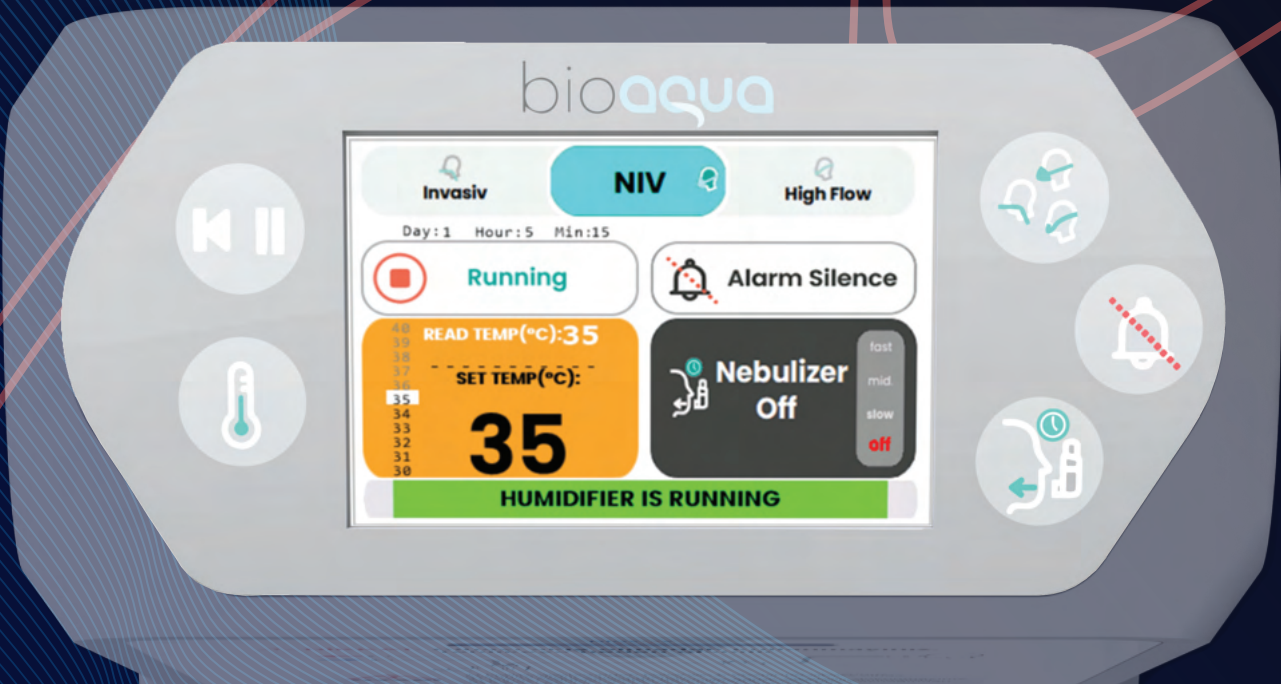
# INNOVATIVE DESIGN, FUNCTIONAL USE

Designed for healthcare professionals, optimized for patients.

Bioaqua stands out with its functional and safety-focused design, alongside a user-friendly interface and touchscreen. It features an integrated nebulizer function and HFO mode, setting it apart. Bioaqua ensures the maintenance of physiological balance by preventing complications from dry and cold air when used with a ventilator.



[biosysmed.com](http://biosysmed.com)



Use with integrated nebulizer



Customized performance according to Invasive, Non-Invasive, and HFO modes



High safety measures with alarm and control mechanism



Use in Adult, Pediatric, and Neonatal patients



Separate function key for each command and 3.5" touch screen



Information panel on the screen, including device status and alarm information

- Adjustable speed aerosol therapy with integrated nebulizer input
- Auditory and visual alarm system
- Gradually adjustable temperature parameters
- Use with single-line and double-line heated patient circuit



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# VENTILATOR COMPATIBLE ERGONOMIC DESIGN

[biosysmed.com](http://biosysmed.com)



## INDICATIONS

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- Used in patients connected to a ventilator
- Used in patients receiving more than 4 liters of oxygen per minute
- Used in intubated patients
- Used in patients with thick and tenacious sputum
- Used in patients with hemoptysis (bloody sputum)
- Used in cases of dehydration
- Used in cases of hypothermia

## DESIGN FEATURES

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- Ergonomic and stylish design
- Removes liquid through an evacuation channel to prevent overflow risk.
- Equipped with an alarm and control system for safety.
- Easy to use with functional buttons, touch screen, and user-friendly interface.

## PHYSICAL CHARACTERISTICS

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- Height: 21 cm
- Depth: 22 cm
- Width: 16 cm
- Weight: 2.1 kg



Bioaqua humidifier device is designed prioritizing design, safety, and ease of use. It offers customizable humidification with flexible temperature ranges tailored to treatment modes, making it suitable for every use. Its design, algorithm, and all functions are carefully planned to provide comfortable use with a simple interface for both patients and users.

### Consumables & Accessories

- Heating adapter
- Temperature probe
- Float valve water reservoir
- Heated patient circuit
- Nebulizer medication chamber
- Nebulizer adapter

### Safety

- Temperature sensor
- Built-in thermostat
- Advanced alarm system
- Design minimizing potential risks



## Performance

<b>Flow</b>	Invasive Mode: 2-60 L/min Non-Invasive Mode: 2-120 L/min
<b>Temperature Settings</b>	Invasive Mode: 35°C-40°C / Default: 36°C Non-Invasive Mode: 30°C-35°C / Default: 32°C HFO Mode: 30°C-37°C / Default: 34°C
<b>Default Settings</b>	Invasive Mode: 36°C Non-Invasive Mode: 32°C HFO Mode: 34°C
<b>Humidification Performance</b>	Invasive Mode: >33 mg/L Non-Invasive Mode: >12 mg/L
<b>Nebulizer Treatment Time</b>	For 2 mL medication: Slow Mode: ~20 minutes Medium Mode: ~10 minutes Fast Mode: ~5 minutes
<b>Heating Time</b>	Less than 30 min.

## Technical Specifications

<b>Dimensions</b>	22 cm. (D) 16 cm. (W) 21 cm. (H)
<b>Weight</b>	2.1 kg.
<b>Supply Voltage</b>	220VAC
<b>Supply Frequency</b>	50/60 Hz
<b>Power</b>	260 Watt
<b>Screen</b>	3.5" High-resolution touch screen

## HIGH SAFETY EFFECTIVE ALARMS



BioAQUA is responsible not only for ensuring that the air delivered during humidification meets appropriate conditions for the patient but also for the patient's safety. Ensuring optimal conditions for the patient places a serious responsibility on Bioaqua. At Biosys Biomedical, we aim to maximize patient safety through the security systems within the device and the materials selected for its production.

- High Temperature Alarm
- Low Temperature Alarm
- Overheating Alarm
- Nebulizer Adapter Not Attached Alarm
- Patient Circuit Not Attached Alarm
- Water Reservoir Not Attached Alarm
- Empty Water Reservoir Alarm
- Temperature Probe Not Attached Alarm
- Incorrect Patient Circuit Attached Alarm

## USER FRIENDLY DESIGN EASY TO USE

With its simple design, BIOAQUA aims to achieve simplicity in its screen design, ensuring user-friendly operation for swift and accurate execution of desired functions.



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# BIOAQUA

## Ventilator Compatible Humidifier Device

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