

biosys

BIOAQUA

Humidifier



bioaqua



WHO ARE WE? ●●●

We started our journey in Ankara in a small office in 2012. Now, we are working with a team consisting of 50+ people, as **manufacturer of Türkiye's first ICU type mechanical ventilator.**

WHERE ARE WE IN THE WORLD? ●●●

Since our founding, we have reached over **40 countries** on **5 continents** with **19000+ device** making an impact on global health.

Türkiye

With the market share of **38%** with more than **6200 units.**

Brazil

The **largest single mechanical ventilator delivery ever made** in the world with **1752 units.**

Kazakhstan

With the market share of **15%** with **1680 units.**

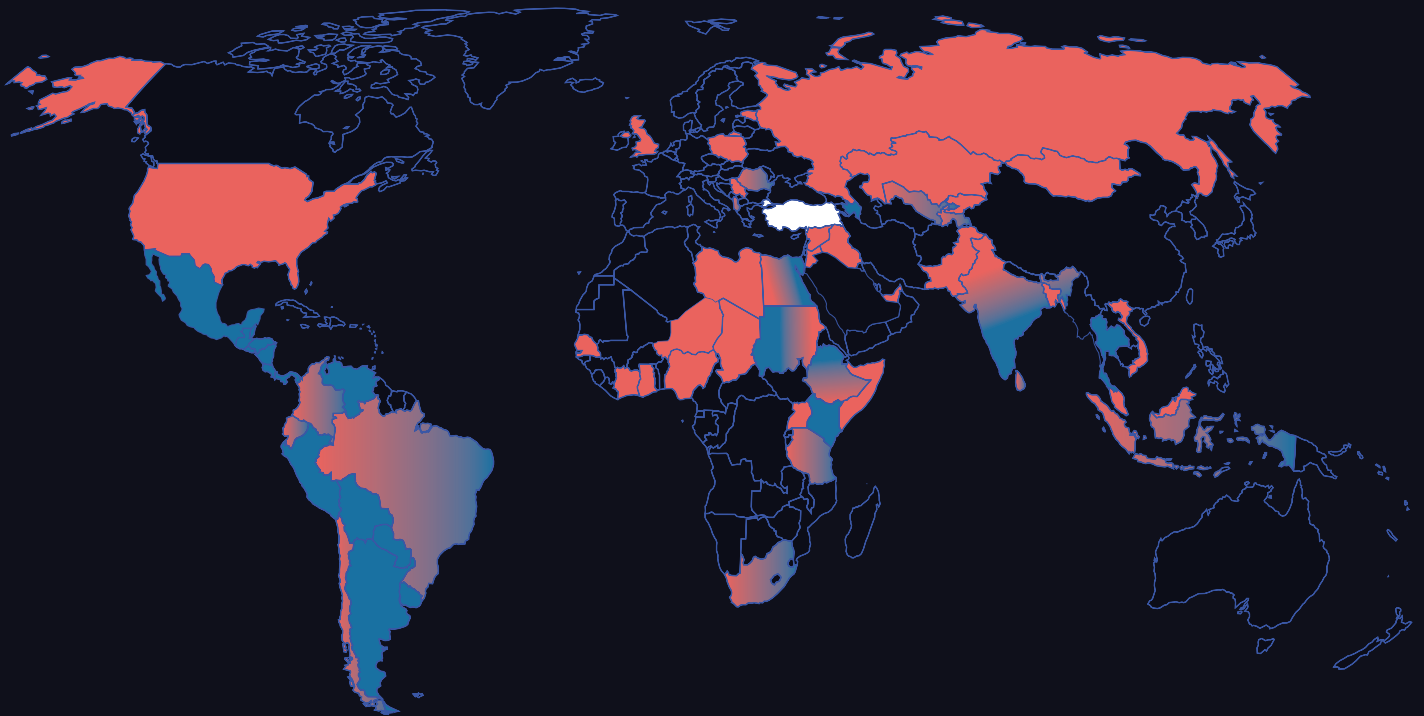
Romania

Delivery in **less than 16 days** after agreement with **384 units.**

Thailand

Delivery in **12 different cities** on the **same day** with **433 units.**

● Devices ● Distributors ● Devices & Distributors



Administrative Office in Ankara

HEADQUARTER

8000m2 Factory in Batman

FACTORY

Research & Development Office in Ankara

R&D OFFICE



WHAT DOES BIOAQUA DO? ●●●



Integrated Nebulizer for Seamless Aerosol Therapy



Optimized Performance for **Invasive, Non-Invasive, and HFNC Modes**



Suitable for **Adult, Pediatric, and Neonatal Patients**



Advanced Safety Features with Integrated Alarm and Control Systems



Humidity Control for Special Conditions and Patient Needs



Real-Time Display of Device Status

INNOVATIVE DESIGN FUNCTIONAL USE ●●●

Effectively humidifies the dry gas from the ventilator to **protect the airways**.

Delivers gas at patient-appropriate temperatures with **adjustable temperature control**.

Reduces secretion buildup and mucosal dryness, enhancing patient comfort during ventilation.

Helps lower the **risk of infection** in ICU and operating room environments.



KEY FEATURES

Variable-speed aerosol delivery via integrated nebulizer port

Gradually adjustable temperature settings

Audible and visual alarm system

Compatible with both single-heated and dual-heated breathing circuits

Adjustable humidity level



DESIGN FEATURES

- Ergonomic and sleek design
- Drainage channel to prevent potential overflow and liquid removal
- Advanced alarm and control system for enhanced safety
- User-friendly interface with intuitive touch screen and functional buttons

Performance

Flow	Invasive Mod: 2-60 L/min Non-Invasive Mod: 2-120 L/min
Temperature Settings	Invasive Mod: 35°C-40°C Non-Invasive Mod: 30°C-35°C HFO Mod: 30°C-37°C
Default Settings	Invasive Mod: 36°C Non-Invasive Mod: 32°C HFO Mod: 34°C
Nebulizer Treatment Duration	for 2mL of Medication; Fast Mod ~5 min Medium Mod~10 min Slow Mod~20 min
Heating Time	Less than 30 min.
Humidity Level	● Below Default Humidity Level ●● Default Humidity Level ●●● Above Default Humidity Level

Technical Features

Dimensions	22 cm. (D) 16 cm. (W) 21 cm. (H)
Weight	2.1 kg.
Power Supply Voltage	220VAC
Power Supply Frequency	50/60 Hz
Power	260 Watt
Display	3.5" High-Resolution Touch Screen