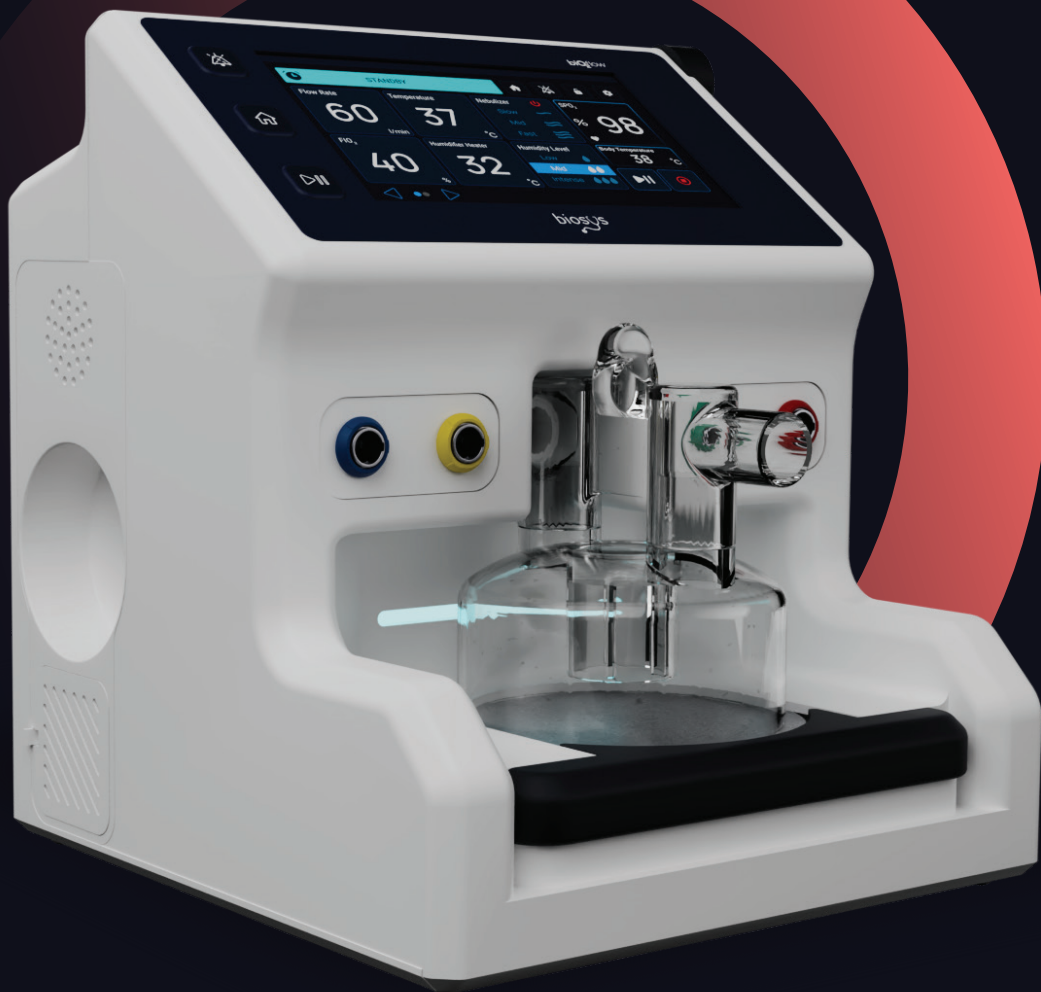


biosys

# BIO<sub>2</sub>FLOW

High Flow Oxygen Therapy Device





## 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 Turkiye'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.

### Turkiye

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.**

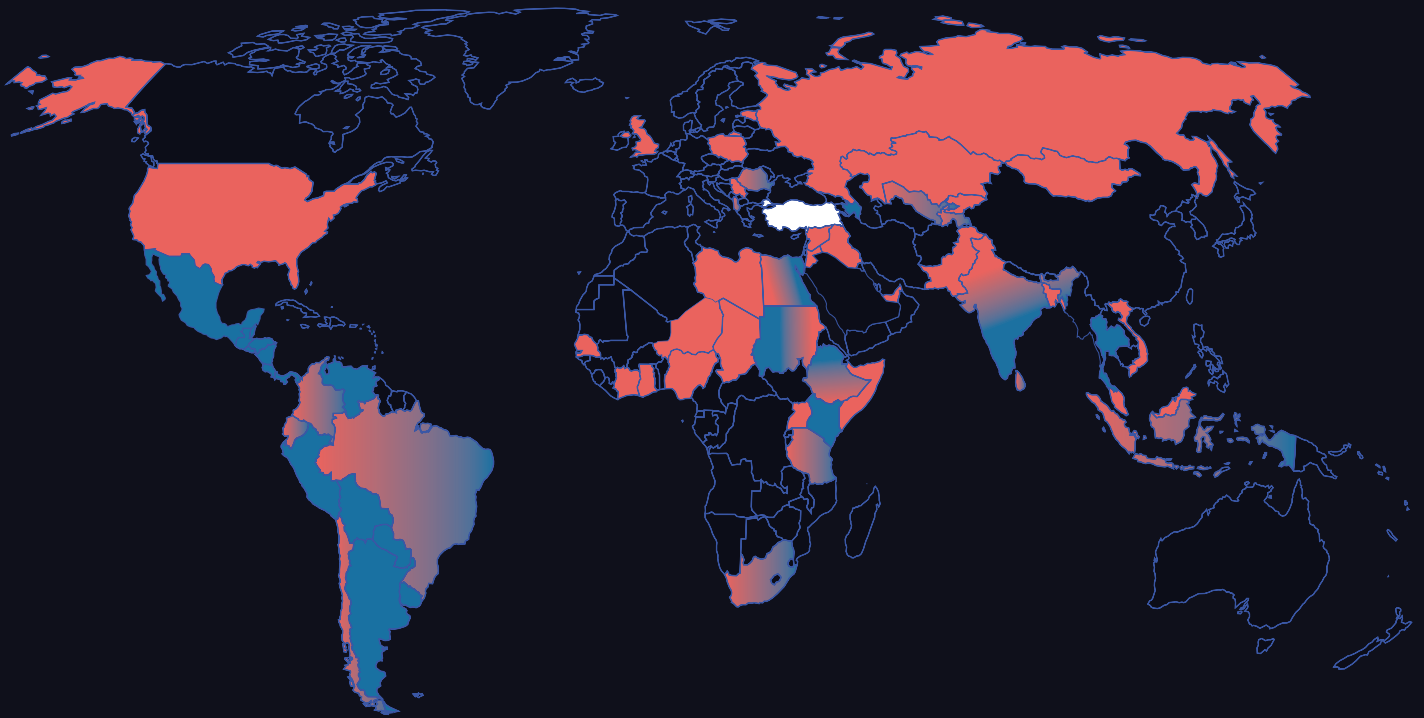
### Romania

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



# HIGH FLOW EFFECTIVE THERAPY

Bio2Flow delivers precise and controlled oxygen therapy across neonatal, pediatric, and adult patients. Designed to provide optimal humidification and temperature balance, it ensures patient comfort and airway protection during long-term respiratory support.

Its intelligent alarm system and user-friendly interface offer continuous safety and operational ease, while the integrated nebulizer port allows efficient aerosol therapy without interrupting treatment.



### Precise FiO2 Adjustment

Fine flow adjustments during high-flow oxygen therapy.



### Integrated Battery

Up to 2 hours of battery life with internal battery



### Optimized Humidification

Light, medium, and intensive humidity options



### Wide Flow Range

2-90 L/min flow rate for all patient types



### High Reliability and Durability

With an IP22 protection rating, Operate continuously for 24 hours in Continuous Operation mode.



### Integrated Smart Nebulizer

Equipped with an integrated mesh nebulizer, it allows oxygen and medication delivery at once, enhancing treatment effectiveness.



### Smart Alarm & Security System

Visual and audible alerts for maximum safety





# BREATHE BEYOND LIMITS

Smart Solution for Diverse Clinical Needs

BiO<sub>2</sub>Flow offers simple, flexible therapy for various clinical needs:



Respiratory Failure



Post-Cardiac Surgery



Heart Failure



Bronchoscopy



Post Extubation

## Working Parameters ●●●

	Neonatal	Pediatric	Adult
Flow Rate	2-8 L/min	2-25 L/min	10-90 L/min
Oxygen Inlet Pressure	31 °C – 34 °C	31 °C – 34 °C	31 °C – 39 °C
Nebulizer Flow Rate	<b>Low</b> 20 min for 2mL of medication	<b>Medium</b> 10 min for 2mL of medication	<b>Fast</b> 5 min for 2mL of medication
Humidity Level	<b>Light</b> 16 mg/L	<b>Medium</b> 27 mg/L	<b>Intensive</b> 33 mg/L
FiO <sub>2</sub>	21% - 100%		
Oxygen Inlet Pressure	2,8 - 10 bar		
Humidifier Chamber Temperature	Room temperature – 85°C		
Maximum Temperature of Applied Parts	44°C		
Warm-up Time	<15 min		
Maximum Limited Pressure	60 cmH <sub>2</sub> O		

## Electrical Specifications ●●●

Voltage	220 V	Current	1,25 A	Power	275 W
Electrical Classification	Class I Type	Frequency	50 Hz		