

# BIO2XY

Home Type Mechanical Ventilator



## 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**.

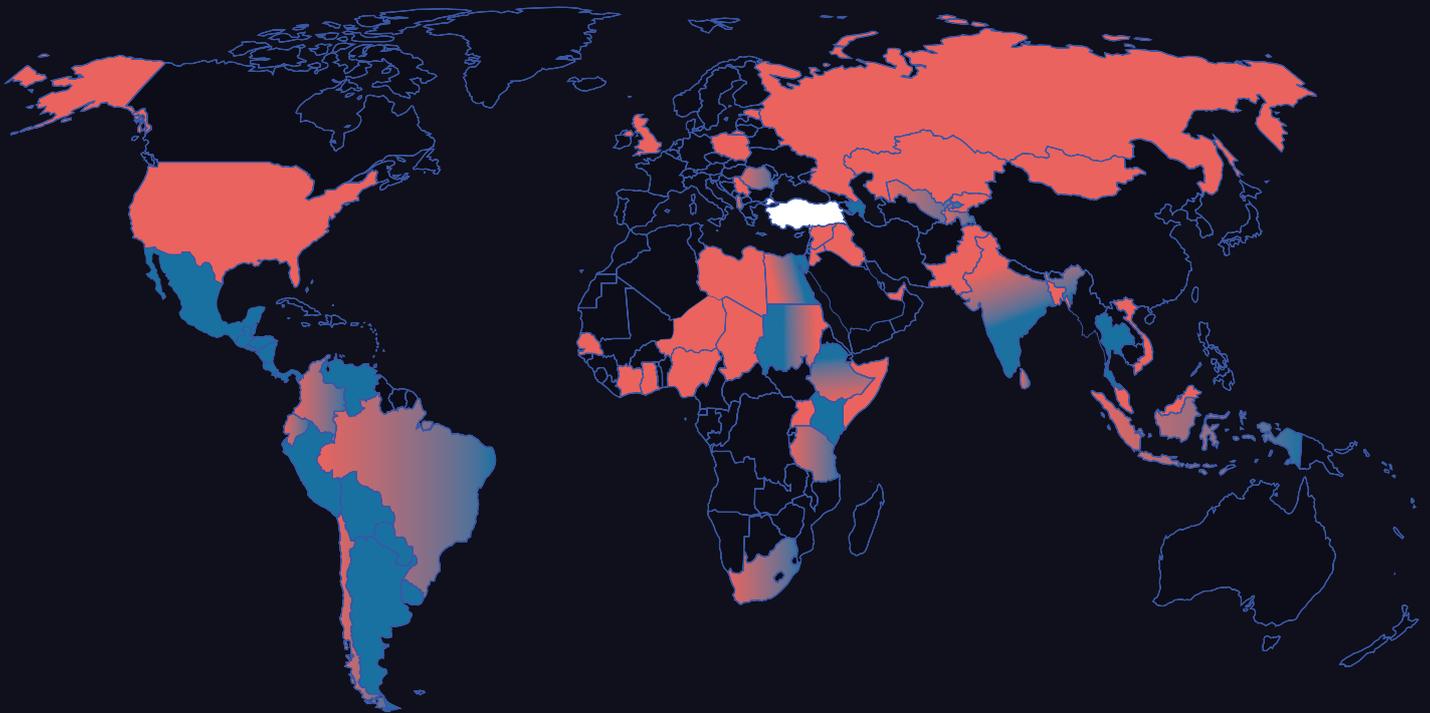
### Romania

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



## ETCo2

It is a parameter that measures the carbon dioxide level in the respiratory air, monitoring the effectiveness of breathing and the patient's respiratory status.

## Vital Monitor

Monitors vital parameters like heart rate, blood oxygen, and blood pressure continuously

## Ventilator

Provides controlled air support to help ensure adequate patient breathing.



## C-PAP

A therapy that provides continuous positive airway pressure to keep the patient's airways open.

## Nebulizer

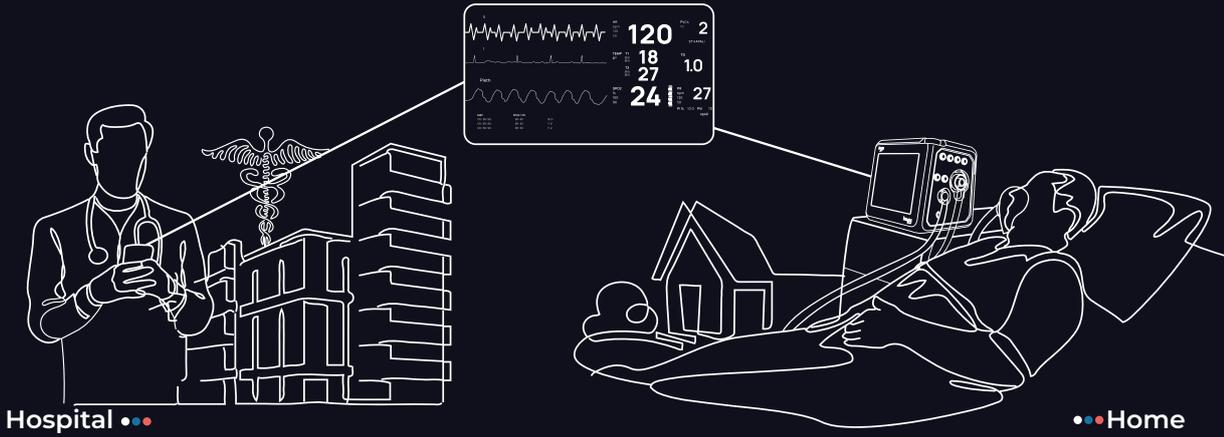
A device that converts liquid medication or water into vapor for inhalation.

## HFO

A therapy that supports breathing by delivering high-flow oxygen to the patient.

# REMOTE MONITORING

With Bioxy's remote monitoring capability, physicians and nurses gain immediate access to patient data, allowing them to guide timely and condition-appropriate interventions.



## VENTILATION PARAMETERS

Ventilation Mods	Pressure, Volume ve Spontaneous
Inspiration Time Range	0.3 - 5 sec.
Pressure Trigger Sensitivity	1-15 mbar
Flow Trigger Sensitivity	0.5-10 l/min

## PATIENT INFORMATION

Respiratory Rate	0-80 BPM
Tidal Volume	20-2000 ml
Inspiratory Flow	0-200 l/min.
Inspiratory Pressure	0-60 mbar

## VENTILATION MODS

Volume-Based Mods	V-ACV, V-ACV (PRVC), V-CMV, V-SIMV+PS, V-SIMV (PRVC)+P
Pressure-Based Mods	P-ACV, P-SIMV+PS, P-CMV, P-PSV, P-Bilevel, APRV
Spontaneous Mods	SPN-PS, SPN-VS
Therapy Mods	HFO, CPAP, BPAP

## ADDITIONAL FEATURES

Operating Voltage	220V
Oxygen Connection	Oxygen Concentrator up to 40 LPM 2.5-7 Bar Pressurized Source (Optional)
FiO2	21-100%
Battery Life	3-10 Hour ( Optional )
Patient Circuit	Single-Line, Dual Line
Screen	10.4" Touchscreen
Patient Type	Neonatal, Pediatric, Adult

## MODULES

Spo2
Etco2
Nebulizer
Proximal Flow Sensor
3 / 5 / 12 EKG (Optional)
NIBP (Optional)
Body Temperature Measurement (Optional)

## DIMENSIONS

Dimensions	20.50 cm. (D) 29.50 cm. (W) 24.50 cm. (H)
Weight	4.5 kg.