

Technical Specifications

Parameter	Specification
Operating Modes	CPAP, AUTO, AUTO S, S, T, ST
Pressure Range	4 – 30 cmH ₂ O
Ramp Time	0 – 60 minutes (1-minute steps)
Backup Rate	5 – 60 bpm (±1 bpm)
I:E Ratio	10% – 90% (±1%)
Humidifier Settings	Level 0 – 5 (max 65 °C)
Heated Tube Range	10 °C – 30 °C
Water Tank Volume	200 ml
Sound (Noise Level)	≤ 30 dB
Dimensions	266.80 × 172.50 × 118.50 mm
Weight	1.9 kg
Power Supply	100 – 240 V AC, 50/60 Hz, 1.5 A Max
Port	Micro SD, Type-C, SIM Card

Precision That Adapts to Every Breath.

BreathFlex™ Tri PAP combines medical precision with adaptive intelligence to deliver reliable, quiet, and comfortable sleep therapy. From hospital wards to home care, it ensures every breath receives the support it deserves — keeping therapy consistent, compliant, and clinically effective.



Breathflex™ Tri

Continuous / Automatic / Bi-level Positive Airway Pressure Device

Adaptive Airflow. Intelligent Care.

Product Overview

The **BreathFlex™ Tri PAP** is an advanced Positive Airway Pressure (PAP) system engineered to deliver precise, adaptive respiratory support for patients with complex sleep-related breathing disorders.

Featuring **tri level pressure control** - inspiratory, expiratory, and backup pressure with adjustable trigger sensitivity - Tri PAP ensures seamless synchrony with every patient breath while maintaining clinical stability.

With **six therapy modes** (CPAP, AUTO, AUTO S, S, T, and ST), it allows clinicians to personalize therapy based on individual respiratory effort and condition.

Tri PAP maintains stable airflow and comfort across every phase of the breathing cycle. It's **compact, quiet design** makes it ideal for both **home and hospital environments**.

Key Features

Tri - Level Pressure Control

Independently adjusts inspiratory, expiratory, and backup pressures with trigger sensitivity for superior synchronization and comfort.

Smart Humidification

Five humidity levels (0–5) maintaining optimal moisture and warmth for airway comfort.

Multi - Mode Therapy

Six selectable modes (CPAP, AUTO, AUTO S, S, T, ST) for personalized treatment.

Heated Tubing

Adjustable temperature range (10 °C – 30 °C) to prevent condensation and dryness.

Adaptive Ramp Function

Gradual pressure build-up (0–60 min) from 4 cmH₂O to the prescribed pressure level.

Automatic Start/Stop

Begins therapy with breath detection and pauses when mask is removed.

Silent Operation

Sound (Noise level) ≤ 30 dB ensures disturbance-free sleep.

Integrated Safety Alarm

Alerts for power loss or abnormal pressure deviation for over 15 seconds.

Bluetooth Connectivity

Seamlessly syncs with the **riDream™** App for real-time therapy data, pressure insights, and compliance tracking from cloud services with 4G + SD card.

Preheat Function

Help patient to heat the water tank in advance, Increase the airway temperature and humidity, Improve user experince in cold.

Clinical Applications

- ▶ Obstructive Sleep Apnea (OSA)
- ▶ Central Sleep Apnea (CSA)
- ▶ Mixed Sleep Apnea
- ▶ Obesity Hypoventilation Syndrome (OHS)
- ▶ COPD Overlap Syndrome
- ▶ Long-term Non-Invasive Positive Pressure Therapy

Operating Modes

Mode	Description
CPAP	Constant pressure throughout inhalation and exhalation.
AUTO	Automatically adjusts pressure within the set range based on airway resistance.
AUTO S	Synchronizes automatic adjustment with spontaneous breathing effort.
S (Spontaneous)	Delivers pressure support during spontaneous breathing.
T (Timed)	Delivers set pressure with time-controlled cycling for consistent ventilation.
ST (Spontaneous/Timed)	Combines spontaneous and backup timed cycling to maintain breathing stability.

