# AER Series
## AC20 - Auto CPAP

CE  FDA

**3 years warranty**

- REG algorithm can continuously monitor respiratory events, by analyzing of physical status of patients, and guarantee the delivery of the optimality of level of therapy.

- Auto ramp is designed for patient's comfort while falling asleep. System will maintain low pressure for patient to have easier start, till patient fell asleep. Then standard ramp will be implemented.

- Leakage compensation, circuit compensation and altitude compensation delivery the guarantee of best accuracy and synchronization.

# RESPRO

# AER Series     APAP

## Basic information

| | |
|---|---|
| Model | AC20 |
| Intended use | OSA |
| User type | weight above 30 kg |

## Physical characteristics

| | |
|---|---|
| Weight | 1.35 kg |
| Size | 238 x 178 x 128 mm |
| Screen | 3.5 inches, color |
| Noise level (ISO80601-2-70) | ≤ 28 dB |

## Treatment parameters

| | |
|---|---|
| Mode | CPAP, APAP |
| E-COMP* | |
| R-CARE** | |
| CPAP pressure range | 4-20 cmH$_2$O |
| Static pressure accuracy | 0.5 cmH$_2$O |
| Dynamic pressure accuracy | 1 cmH$_2$O |
| Inspiratory trigger sensitivity | Auto |
| Expiratory trigger sensitivity | Auto |

## Comfort parameters

Respiratory event detection

Ramp

Auto ramp

IPR (Intelligent pressure release)

Auto altitude adjustable

Leakage compensation

Auto on/off

Mask fit

Circuit compensation

## Value-added functions

Auto screen luminance adjustable

Energy saving mode

Time and alarm clock

Unit setting

Multi-language setting

Performance self-examination

Patient report on main screen

SpO$_2$, PR

## Humidity function

Integrated humidifier

Auto humidity

Preheating

Heated tube

Anti-leakage avoidable in inclined water tank position

Water level detection

Intelligent tube drying

## Data management

Data storage in main unit (1 year statistical data, 1 week high resolution data)

SD card high-resolution data storage (10 years)

Wireless transmission (WiFi, Bluetooth, GPRS)

Multi-platform synchronous data sharing for patients and clinicians (Android, iOS, Web)

## Others

| | |
|---|---|
| IP level | IP22 |

## Accessories

| | |
|---|---|
| SD card | Standard |
| Nasal mask | Standard |
| Full face mask | Optional |
| Nasal pillow mask | Optional |
| Tube (15 mm) | Standard |
| Tube (19 mm) | Optional |
| Heated tube (19 mm) | Optional |
| WiFi & Bluetooth module | Optional |
| Bluetooth SpO$_2$ watch | Optional |
| iMatrix intelligent cloud system | Optional |

* E-COMP can help new patients gradually adapt the prescribed pressure by starting from 50% of prescribed pressure with 1 cmH$_2$O increment per day.

** R-CARE allows patients to start from 95% of the therapeutic level accumulated in APAP mode to reduce the incidence of predormitium respiratory events.