


AER Series



RESPRO



Respro is one of the most thriving and vibrant providers of medical devices and solutions, headquartered in Mumbai, India. Firmly work with clinicians to recognize and understand the clinical challenges encountered everyday, we are dedicated to innovation in the fields of respiratory medicine, intensive ventilating care and intelligent information system, to overcome them with clinical solutions. Inspired by our customers' need, we adopt the advanced sciences & technologies and transform them into accessible and insightful innovation, tailored to local requirement, bring Respro to the customers in the globe.



COMPANY PROFILE

SMART COMFORTABLE QUIET



Introducing **AER Series**

Aer series is new generation sleep & respiration therapy platform developed by Respro. It is not a stand-alone device, but systematic solutions of respiratory disorders which includes diagnosis, titration, treatment, configurable modules, full range of accessories, and IT solutions. Ergonomic design, intuitive user interface and advanced ventilation algorithm along with iMatrix, a Respro cloud based patient data management system, will bring users a real brilliant experience.

Aer series, change your perspective, again.



RESPRO

MC20

Mode : CPAP

PRESSURE RANGE : 4 -20cm H2O

STATIC PRESSURE ACCURACY : 0.5cm H2O

DYNAMIC PRESSURE ACCURACY : 1cm H2O

WARRANTY : 3 Years

INCLUDES

Nasal Mask, Heated Humidifier, Carry Bag, Hose Pipe



AC20

Mode : CPAP, Auto CPAP

CPAP PRESSURE RANGE : 4 -20cm H2O

INSPIRATORY TRIGGER SENSITIVITY : Auto

EXPIRATORY TRIGGER SENSITIVITY : Auto

STATIC PRESSURE RANGE : 0.5cm H2O

DYNAMIC PRESSURE ACCURACY : 1cm H2O

WARRANTY : 3 Years

INCLUDES : Nasal Mask, Heated Humidifier, Carry Bag, Hose Pipe



AC20W

Mode : CPAP, APAP

CPAP PRESSURE RANGE : 4 -20cm H2O

INSPIRATORY TRIGGER SENSITIVITY : Auto

EXPIRATORY TRIGGER SENSITIVITY : Auto

STATIC PRESSURE RANGE : 0.5cm H2O

DYNAMIC PRESSURE ACCURACY : 1cm H2O

WARRANTY : 3 Years

INCLUDES : Nasal Mask, Heated Humidifier, Carry Bag, Hose Pipe



BIPAP

BS500

Mode : CPAP, S

IPAP Pressure : 4-25 cm H₂O

EPAP Pressure: 4-25 cm H₂O

Rise time: Min. 150 – 900 ms

**Auto Altitude adjustable, Auto Ramp,
Leakage compensation**

Warranty: 3 yrs

Includes

Full Face mask, Heated Humidifier, Carry bag, Hose Pipe



AS800

Mode : CPAP, S, Auto S

IPAP Pressure : 4-25 cm H₂O

EPAP Pressure: 4-25 cm H₂O

Pressure Support: 1.0 -10 cm H₂O

Rise time: Min. 150 – 900 ms

**Auto Altitude adjustable, Auto Ramp,
Leakage compensation**

Warranty: 3 yrs

Includes

Full Face mask, Heated Humidifier, Carry bag, Hose Pipe



ST25

Mode : CPAP, S, T, S/T

IPAP Pressure : 4-25 cm H₂O

EPAP Pressure: 4-25 cm H₂O

Evaps Pressure: : 4-25 cm H₂O

Respiratory Rate: 0-50 cm H₂O

Rise time: Min. 150 – 900 ms

**Auto Altitude adjustable, Auto Ramp,
Leakage compensation**

Warranty: 3 yrs

Includes

Full Face mask, Heated Humidifier, Carry bag, Hose Pipe

ST25A

Mode : CPAP, S, T, Auto S, S/T, Auto S/T

IPAP Pressure : 4-25 cm H₂O

EPAP Pressure: 4-25 cm H₂O

Respiratory Rate: 0-50 cm H₂O

Pressure Support (PS): 1.0 -10 cm H₂O

Rise time: Min. 150 – 900 ms

**Auto Altitude adjustable, Auto Ramp,
Leakage compensation**

Warranty: 3 yrs

Includes

Full Face mask, Heated Humidifier,
Carry bag, Hose Pipe



PORTFOLIO

| Type | CPAP | auto CPAP | | | BPAP | | | Titration |
|-----------------------------|------------|-----------|-------|-------|-------|------|-------|-----------|
| Model | MC20 | AC20 | AC20W | BS500 | AS800 | ST25 | ST25A | Tech |
| Modes | CPAP | ● | ● | ● | ● | ● | ● | ● |
| | CPAP-V | - | - | - | - | - | - | - |
| | APAP | - | ● | ● | - | - | - | - |
| | APAP woman | - | - | ● | - | - | - | - |
| | S | - | - | - | ● | ● | ● | ● |
| | auto S | - | - | - | - | ● | - | ● |
| | T | - | - | - | - | - | ● | ● |
| | S/T | - | - | - | - | - | ● | ● |
| | auto S/T | - | - | - | - | - | - | ● |
| | PC | - | - | - | - | - | - | - |
| Screen size/inch | 3.5 | 3.5 | 3.5 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Touch screen | - | - | - | ● | ● | ● | ● | ● |
| EVAPS | - | - | - | ● | ● | ● | ● | ● |
| Respiratory event detection | - | ● | ● | ● | ● | ● | ● | ● |
| Auto ramp | - | ● | ● | ● | ● | ● | ● | ● |
| Expiration pressure release | ● | ● | ● | ● | ● | ● | ● | ● |
| Auto altitude adjustable | ● | ● | ● | ● | ● | ● | ● | ● |
| Leakage compensation | ● | ● | ● | ● | ● | ● | ● | ● |
| Auto on/off | ● | ● | ● | ● | ● | ● | ● | ● |
| Mask fit | - | ● | ● | ● | ● | ● | ● | ● |
| Circuit compensation | - | ● | ● | ● | ● | ● | ● | ● |
| Waveform display | - | - | - | ● | ● | ● | ● | ● |
| Parameter monitoring | - | - | - | ● | ● | ● | ● | ● |
| Water level detection | - | ● | ● | ● | ● | ● | ● | ● |
| Tube drying | ● | ● | ● | ● | ● | ● | ● | ● |
| Auto illumination | - | ● | ● | ● | ● | ● | ● | ● |
| SpO ₂ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| SD card storage | ● | ● | ● | ● | ● | ● | ● | ● |
| WIFI | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| Bluetooth | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| GPRS | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

- Standard configuration
- Optional configuration
- Not available

AER Series accessories



Tube



Nasal mask



Full face mask



Carry bag



Nasal pillow



Wireless SpO₂



Heating tube

ACCESS CLOUD

Wit Patient Centric In Mind



In **Aer** series, we offer comprehensive and adaptive connectivity options. Patients and clinicians can easily connect to **respro** cloud (data server). A flexible suite of choices has been offered based on Wi-Fi, Bluetooth, Cellular, as well as traditional SD card storage. Customers can select the most cost-effective options with their smart phones, tablets, or computers.

We strongly believe, seamless data & event sharing, seasonable & timely clinical care given to the patients from caregiver is the sincere goal we should chase.



WIFI



GPRS



Bluetooth



SD card

iMatrix™



Connect with smart phone / tablets will maximize the convenience.



You can obtain the overall perspective of patients' data from your PC.



Web end offer the most flexible scheme for data management.



Download on the
App Store



Google play



SYRINGE PUMP



SP40

Features:

Applicable syringe size: 10, 20, 30, 50/60 ml.

Automatic syringe size detection.

Automatic anti-bolus.

Drug library.

Wireless management: central monitoring by Infusion Management System with maximum 255 Pumps.

Stackable up to 4 Syringe Pumps (4-in-1 Docking Station) or 6 Syringe Pumps (6-in-1 Docking Station) with single power cord.

www.resproindia.com

| Model | Sp40 |
|-----------------------|--|
| Syringe Size | 10, 20, 30, 50/60 ml |
| Applicable Syringe | Compatible with syringe of any standard |
| VTBI | 0.1-9999 ml < 1000 ml in 0.1 ml increments ≥ 1000 ml in 1 ml increments |
| Flow Rate | Syringe 10 ml: 0.1-400 ml/h Syringe 20 ml: 0.1-600 ml/h Syringe 30 ml: 0.1-900 ml/h Syringe 50/60 ml: 0.1-1300 ml/h < 100 ml/h in 0.1 ml/h increments ≥ 100 ml/h in 1 ml/h increments |
| Bolus Rate | Syringe 10 ml: 400 ml/h Syringe 20 ml: 600 ml/h Syringe 30 ml: 900 ml/h Syringe 50/60 ml: 1300 ml/h |
| Anti-Bolus | Automatic |
| Accuracy | ±2% (mechanical accuracy 1%) |
| Infusion Mode | Memory mode Flow rate: ml/min, ml/h Time-based Body weight: mg/kg/min, mg/kg/h, ug/kg/min, ug/kg/h etc. |
| KVO Rate | 0.1-1 ml/h (in 0.1 ml/h increments) |
| Alarms | Occlusion, near empty, end program, low battery, end battery, AC power off, motor malfunction, system malfunction, reminder alarm, pressure sensor error, syringe installation error, syringe drop off |
| Additional Features | Real-time infused volume, automatic power switching, automatic syringe identification, mute key, purge, bolus, anti-bolus, system memory |
| Drug Library | Available |
| Occlusion Sensitivity | High, medium, low |
| Power Supply, AC | 110/230 V (optional), 50/60 Hz, 20 VA |
| Battery | 9.6±1.6 V, rechargeable |
| Battery Life | 7 hours at 5 ml/h |
| Working Temperature | 5-40°C |
| Relative Humidity | 20-90% |
| Atmospheric Pressure | 860-1060 hpa |
| Size | 314*167*140 mm |
| Weight | 2.5 kg |
| Safety Classification | Class II, type CF |

INFUSION PUMP



IP180

Features:

Built-in thermostat: 30-45°C adjustable.

The thermostat warms IV tubing to increase infusion accuracy. This is a unique feature compare to worldwide Infusion Pumps.

Applicable for adult, Paediatrics and NICU (Neonatal).

Anti-free-flow function to make infusion safer.

Real-time display of infused volume / bolus rate / bolus volume / KVO rate.

Visible on-screen 9 alarms.

Change flow rate without stopping the pump.

www.resproindia.com

Specifications

RESPRO

| Model | Sp40 |
|-----------------------|---|
| Pumping Mechanism | Curvilinear peristaltic |
| IV Set | Compatible with IV sets of any standard |
| Flow Rate | 0.1-1500 ml/h (in 0.1 ml/h increments) |
| Purge, Bolus | 100-1500 ml/h (in 1 ml/h increments) Purge when pump stops, bolus when pump starts |
| Bolus volume | 1-20 ml (in 1 ml increments) |
| Accuracy | ±3% |
| VTBI | 1-9999 ml |
| Infusion Mode | ml/h, drop/min, time-based |
| KVO Rate | 0.1-5 ml/h (in 0.1 ml/h increments) |
| Alarms | Occlusion, air-in-line, door open, end program, low battery, end battery, AC power off, motor malfunction, system malfunction, reminder alarm |
| Additional Features | Real-time infused volume / bolus rate / bolus volume / KVO rate, automatic power switching, mute key, purge, bolus, system memory, key locker, change flow rate without stopping the pump |
| Occlusion Sensitivity | High, medium, low |
| Air-in-line Detection | Ultrasonic detector |
| Wireless management | Optional |
| Power Supply, AC | 110/230 V (optional), 50-60 Hz, 20 VA |
| Battery | 9.6±1.6 V, rechargeable |
| Battery Life | 5 hours at 30 ml/h |
| Working Temperature | 10-40°C |
| Relative Humidity | 30-75% |
| Atmospheric Pressure | 700-1060 hpa |
| Size | 174*126*215 mm |
| Weight | 2.5 kg |
| Safety Classification | Class I, type CF |



AIR PURIFIER

Specialist for filtration of indoor air pollution



From now on, providing fresh air for your family!



Pre-Filter

Absorbing for example hair, particulates, dusts etc.

Formaldehyde bane filter

Filtering out H7N9 germs, moulds & other virus as well as PM with the size of more than 20mm

High efficient HEPA filter

Filtering our PM 2.5, tobacco smoke, pollen, pet hair and other allergens. HEPA filter has antibacterial Coating & can filter out efficiently PM of 0.3pm

Activated carbon & Cold Catalyst filter

Filtering our formaldehyde, benzene, xylene, TVOC & other harmful contents



Application Places

New decorated, painted or renovated house.

Residence with children, old age, pregnant women and newborn baby.

Have asthma, allergic rhinitis and pollen allergy.

People who have pets at home.

A closed or affected space by smoke.

Hotels, Schools, Temples, Colleges and Institution etc.

Homes affected majorly by dust or pollution .

In Hospitals which will help in reducing infection, preventing spread of diseases.



AIR PURIFIER



HBR 2070

POWER : 35W **SIZE :** 352x190x650mm

PATENT DESIGN FILTER

Pre Filter + Hepa + Carbon + Cold Catalyst
+ Formaldehy Filter

FEATURES

Ion / PM2.5 Display / LCD Display / Timer
/ Auto / Remote

HBR 108

POWER : 35W **SIZE :** 365x250x710mm

APPLYING AREA : 26 - 50m²

PATENT DESIGN FILTER

Pre-filter + HEPA filter + Activated carbon filter
+ Air ionizer

FEATURES

Touch Screen Control Panel, Dust Sensors,
Color Indicator



Ionizer HBR 720

POWER : 35W **SIZE :** 352x1920x650mm

APPLYING AREA : 40 - 50m²

PATENT DESIGN FILTER

Pre Filter + Hepa + Carbon + Cold + Catalyst
+ Formaldehyde Bene Filter

FEATURES

Ion / PM2.5 Display / LCD Display / Timer / Auto

HBR 900

DC Japanese Motor

POWER : 55W **SIZE :** 365x260x710mm
APPLYING AREA : 60 - 70m²

PATENT DESIGN FILTER
Pre Filter + Hepa + Carbon

FEATURES
Ion / PM2.5 Display / LCD Display / Timer /
Auto / Remote



HBR 450

High CADR & Commercial Use

POWER : 75W **SIZE :** 590x500mm
APPLYING AREA : 60 - 70m²

PATENT DESIGN FILTER
Pre Filter + Hepa + Carbon + Cold catalyst

FEATURES
Ion / PM2.5 Display / LCD / Display/ Timer /
Auto / Remote

HBR 207

UV Sterilize

POWER : 35 **SIZE :** 330x210x610mm
APPLYING AREA : 30 - 40m²

PATENT DESIGN FILTER
Pre Filter + Hepa + Carbon + Photocatalyst

FEATURES
Ion / Color Indicator / LCD / Display/ Timer /
Auto / Remote





PULSE OXIMETER



Convenient :

Compact appearance, more convenient to carry. A button to wake up, even the elderly can also be used simply. Two 1.5V AAA batteries can be used continuously for more than 24 hours, more environmental protection and energy saving.

Resting Heart Rate :

Heart beats per minute while at rest tells a lot about you're internal health and fitness levels. It is a strong indicator of your risk for heart problems.

Aortic Pulse Wave Velocity :

Aortic Pulse Wave Velocity (AoPWV) is proven to be a marker of heart health, brain health, and risk of death from all causes, it is the energy associated with your arterial pulse.

Blood Oxygen Level :

Your body requires a very precise balance of oxygen in the blood. For your body to perform optimally, blood oxygen levels should be above 95%.

Parameters of Pulse Oximeter

| | |
|-----------------------|---|
| SpO2 | Detection scope: 35%-100% Accuracy: $\pm 2\%$ 80%-100% $\pm 3\%$ 70%-79% |
| Pulse Rate | Rage: 25-250BPM Accuracy: ± 2 bpm Resolution:1bpm |
| Battery Type | Two 1.5V AAA alkaline batteries |
| Service life | Over 10000 times |
| Display | OLED |
| Working voltage | D.C.2.2 V~D.C.3.4V |
| Operation environment | Temperature: 5°C - 40°C Relative humidity: 30% - 80% Air pressure: 70Kpa - 106Kpa |
| Size | 58 (H) × 34 (W) × 30(D)mm |
| Weight | 50g Include batteries |

RESPRO

DESIGN FOR LIFE

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