



RESmart® BPAP

Bi-level Positive Airway Pressure

With RESlex™ (Expiration Pressure Release)



RESmart® BPAP Series offers the ultimate in sleep therapy comfort. It combines auto adjusting pressure delivery with the breath-by-breath pressure relief of RESlex™ for most natural sleep therapy. It also can provide non-invasive ventilation for patients with respiratory insufficiency in the hospital or home.



Professional precision

- Innovative tracking technology ensures accurate and comfortable therapy.
- Unique sensitivity setting offers individual therapy algorithm, makes every user get the most comfort.
- RESlex™ performs better exhalation and compliance.
- Inspiration trigger for auto start-up
- Automatic stop after put off mask
- Alert when accidental power-off
- In time alert function when mask/tubing off-line
- Automatic leakage and altitude compensation ensure the therapy accuracy anywhere.



Ergonomic and powerful design

- Integrated and knock-down designed InH2™ heated humidifier
- DC 24V powered and infrared controlled humidifier make user safe and comfortable.
- Smart Heater automatic restarts after short term break.
- Patented anti-countercurrent water tank
- Unique Delay-off feature protects RESmart® BPAP from humidity hazard.
- Powerful embedded memory stores last night's full raw data, 365 nights' user Blog and more than 30 years' therapy record.
- User Blog direct output via portable thermal printer



Technical Specifications:

Device Size

Dimensions: 220 × 194 × 112 mm

313 × 194 × 112 mm (with InH2™ heated humidifier)

Weight: <2.2 kg

<3 kg (with InH2™ heated humidifier)

Environmental

	Operating	Transport and Storage
Temperature	5 to 30°C	-20 to 55°C
Relative Humidity	≤ 80% Non-condensing	≤ 93% Non-condensing
Atmospheric Pressure	860 to 1060 hPa	500 to 1060 hPa

Standards Compliance

IEC 60601-1 General Requirements for Safety of Medical Electrical Equipment

IEC 60601-1-2 Electromagnetic Compatibility

ISO 17510 Sleep Apnoea Breathing Therapy

ISO 8185 General Requirements for Humidification Systems

Electrical

AC Power Consumption: 100 - 240V AC, 50/60Hz, Max 95VA

Type of Protection Against Electric Shock: Class II Equipment

Degree of Protection Against Electric Shock: Type BF Applied Part

Degree of Protection Against Ingress of Water: Drip Proof, IPX1

Mode of Operation: Continuous

Model Comparison

Product Model	Pressure	Function	Auto Pressure
RESmart® BPAP 25	4-25 cmH ₂ O	S, CPAP	No
RESmart® BPAP 25A	4-25 cmH ₂ O	S, CPAP	available
RESmart® BPAP 25T	4-25 cmH ₂ O	S, CPAP, T, S/T	No
RESmart® BPAP 30T	4-30 cmH ₂ O	S, CPAP, T, S/T	No

Pressure

IPAP	4 to 30 cmH ₂ O* ±1 cmH ₂ O**
EPAP	4 to 25 cmH ₂ O* ±1 cmH ₂ O**
CPAP	4 to 20 cmH ₂ O ±1 cmH ₂ O**
Respiratory Rate	3 to 40 BPM, Greater of ±1 BPM or ±10% of the setting (When measured over a 4 minutes period)
E/I Rate	1-4
Max. Inspiration Time	3.0 seconds
Ramp Duration	0 to 60 minutes ±10% of the setting
Rise Time	0 to 3*** ±25%****

* Limited to 20 cmH₂O when using the *Auto* feature in S mode.

** Dynamic pressure accuracy is ±1 cmH₂O measured at the patient end of the circuit with a Vio Nasal Mask and varying flow conditions.

Static pressure accuracy is ±0.5 cmH₂O measured at the patient end of the circuit with a Vio Nasal Mask and no patient flow.

*** The range of values corresponds to tenths of seconds (e.g., a setting of 4 indicates a Rise Time of 0.4 seconds).

**** Measured at the patient end of circuit with a Vio Nasal Mask exhalation device and no patient flow.

Disposal

Dispose of the device in accordance with local regulations.

Manufacturer: BMC Medical Co., Ltd.

NOTE: specifications subject to change without prior notice.