RESmart® BPAP-20 Series

Bi-level Positive Airway Pressure
With RESlex™ (Expiration Pressure Release)

RESmart® BPAP-20 Series provide non-invasive ventilation for patients with respiratory insufficiency in the hospital or at home. The breath-by-breath pressure relief of RESlex™ offers most natural respiratory therapy. It can also offer the ultimate in sleep therapy comfort, with auto adjusting pressure delivery.

TÜV SÜD ISO 13485:2003 CE 0123

Professional precision

- Monitored parameters include: IPAP, EPAP and Expiration tidal volume (Vte)
- Quick and easy setting when in use, including: IPAP, EPAP, Res. Rate, E/I Rate, I Sense, E Sense and Rise time
- 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
- Alert when accidental power-off
- In time alert function when mask/tubing off-line
- Automatic leakage and altitude compensation

Ergonomic and powerful design

- Integrated and knock-down designed InH2® heated humidifier
- DC 24V powered and infrared controlled humidifier make user safe and comfortable
- 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 and 365 nights' user blog

Optional accessories

- Heated tubing provides constant temperature and constant relative humidity - Rainout Prevention
- DC to AC convert, makes DC input available to meet the travelling need

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	Working Mode	Auto Pressure
RESmart® BPAP-20S	4-20 cmH_2O	CPAP, S	No
RESmart® BPAP-20A	4-20 cmH_2O	CPAP, S, Auto S	Available
RESmart® BPAP-20T	4-20 cmH_2O	CPAP, S, T, S/T	No

Pressure

IPAP	4 to 20 cmH_2O	±1 cmH_2O*
EPAP	4 to 20 cmH_2O	±1 cmH_2O*
CPAP	4 to 20 cmH_2O	±1 cmH_2O*
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	1-6	
Max. Inspiration Time	3.0 seconds	
Ramp Duration	0 to 60 minutes	±10% of the setting
Rise Time	0 to 3** ±25%***	
I Sense	1-8	
E Sense	1-8	

* Dynamic pressure accuracy is ±1 cmH_2O measured at the patient end of the circuit with a nasal mask and varying flow conditions.
Static pressure accuracy is ±0.5 cmH_2O measured at the patient end of the circuit with a nasal mask and no patient flow.

** The setting of 0 indicates a Rise Time of 0.1 seconds;
The setting of 1 indicates a Rise Time of 0.2 seconds;
The setting of 2 indicates a Rise Time of 0.3 seconds;
The setting of 3 indicates a Rise Time of 0.4 seconds.

*** Measured at the patient end of circuit with a flowmeter 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.

V1.0