



G3 BPAP System



family cares

Intelligent device
knows you better





G3 B25S

is a fixed-pressure bi-level suitable for patients unable to tolerate standard CPAP.

G3 B20A / B25A

is an auto-adjusting bi-level device with advanced technologies to treat sleep apnea patients who require enhanced pressure support.

G3 B30SV

is an adaptive servo-ventilator for treatment of CSA, MSA and period breathing such as Cheyne-Stokes respiration.



G3 B25VT / B30VT

is a bi-level device with S/T mode with target tidal volume feature for patients with respiratory insufficiency.

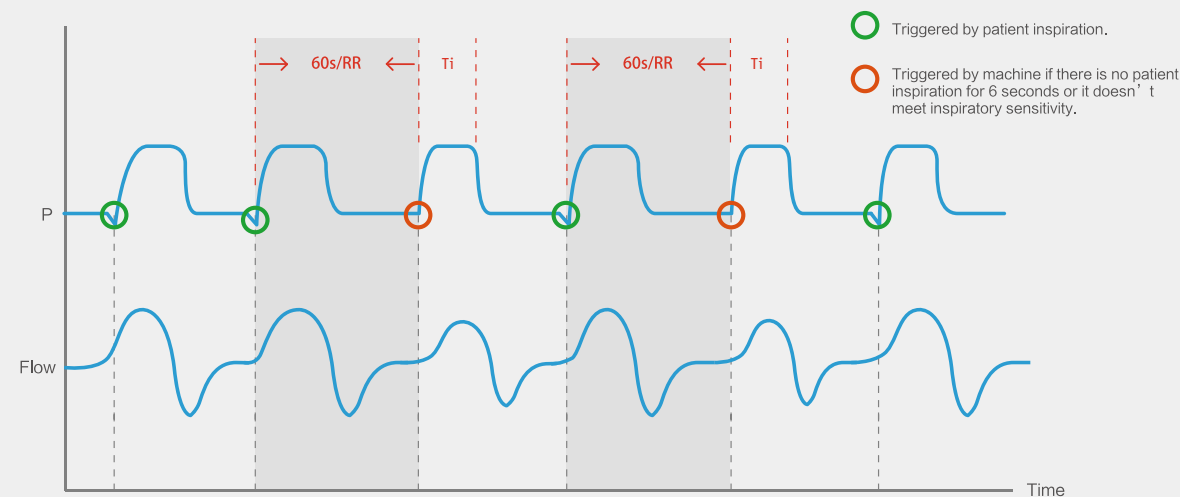
G3 LAB

is a bi-level device to be used in sleep labs for treatment and titration of patients with Sleep Apnea and/or Respiratory Insufficiency.

Efficiencies in Therapy

S/T Mode

Machine complies with patient breathing. However, if there is no inhalation for a certain period of time, the machine will give a forced ventilation to ensure the minimum ventilation.

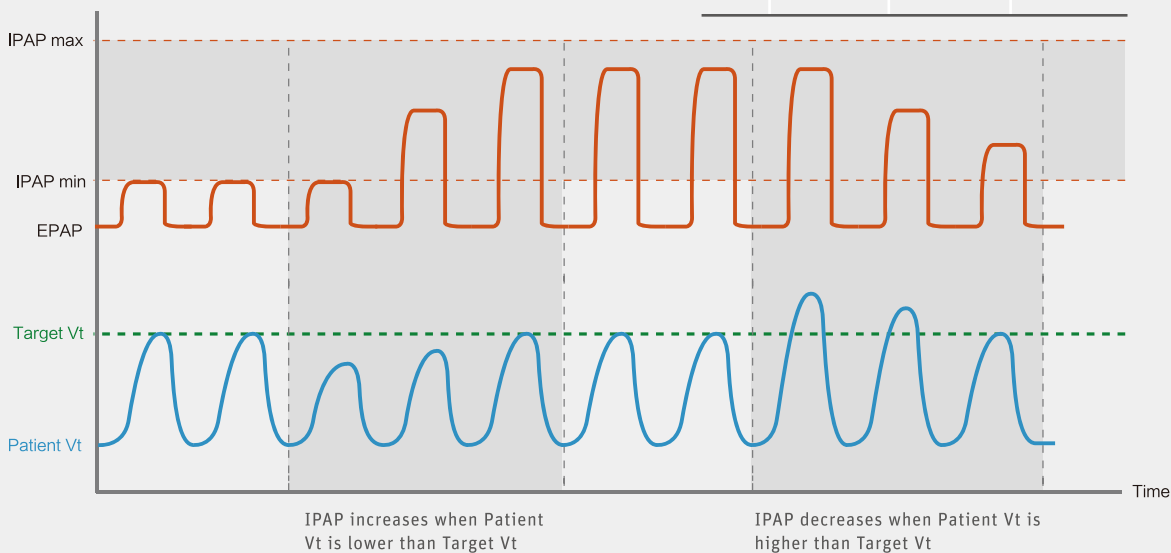


Target Tidal Volume Function

Optimize IPAP according to mean Vt of last 5 breathings and prescribed Target Vt. Larger difference between mean Vt and target Vt takes more evident adjustment in IPAP.

- Inspiratory pressure is between IPAP min and IPAP max.
- Larger difference between mean Vt and target Vt takes more evident adjustment in IPAP.
- Patient Vt is the mean of Vt values from patient's last 5 breathings.

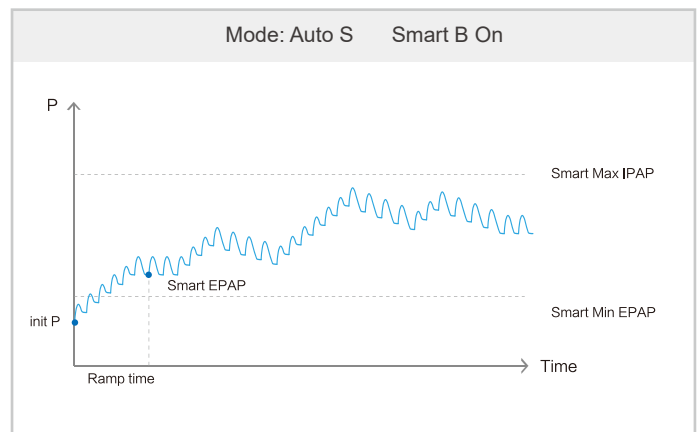
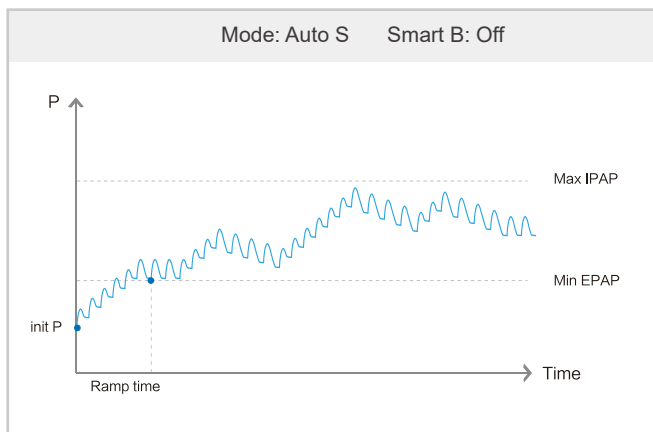
Height (m)	Ideal Weight (kg) (BMI=20)	Target Vt (mL) (8 mL/kg)	Target Vt (mL) (10 mL/kg)
1.50	45	360	450
1.55	48	380	480
1.60	51	410	510
1.65	54	440	540
1.70	58	460	580
1.75	61	490	610
1.80	65	520	650
1.85	68	550	690
1.90	72	580	720





Smart B -Intelligent Pressure Adjusting Technology

G3 B20A/B25A can automatically adjust treatment plan based on changes in patient needs. Care is closer to you with reduced costly visits

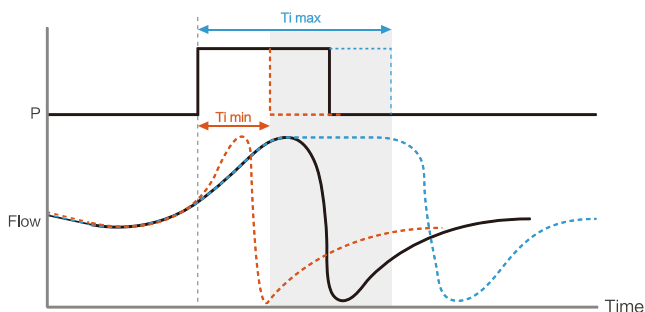
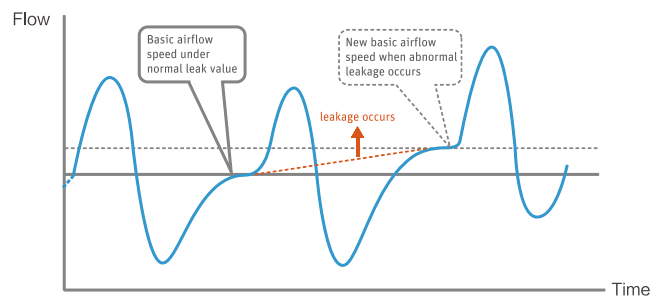


• Smart B (Auto S)

- Provides optimal starting pressure (Smart EPAP) to reduce the residual events at the beginning of therapy due to insufficient pressure level.
- Optimizes Minimum and Maximum Pressure in the treatment plan based on EPAP95 and EPAP50 over a moving 5-day window.

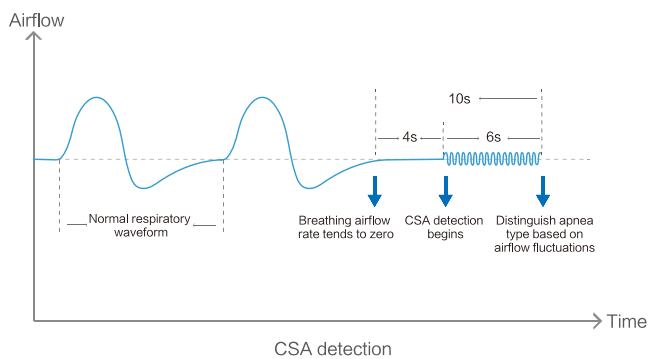
Auto Leak Compensation

The device detects the leaks during treatment in real time and adjusts the baseline to ensure correct triggering and related functions.



Inspiratory time control

Ti min and Ti max could be set independently, avoiding insufficient ventilation due to short inspiratory time. At the meantime, cases can be prevented where expiratory sensitivity is unable to meet due to large leaks.

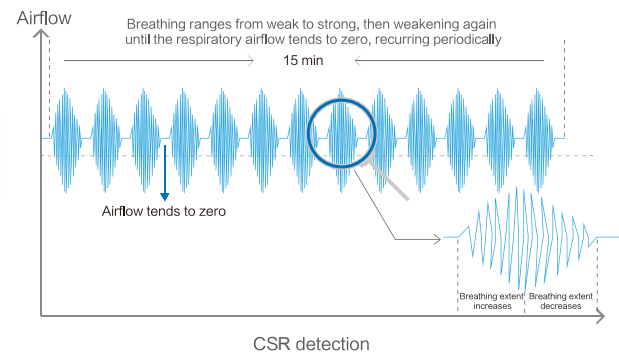


CSA detection

G3 uses oscillating wave technology to determine which type of apneas are best treated with changes in airflow and pressure.

CSR detection

Cheyne Stokes respiration detection included with a continuous monitor built in.



PM2.5 filter box

Extra sensitive users can filter finer dust and allergens with the PM2.5 filter box.

SpO₂ sensor

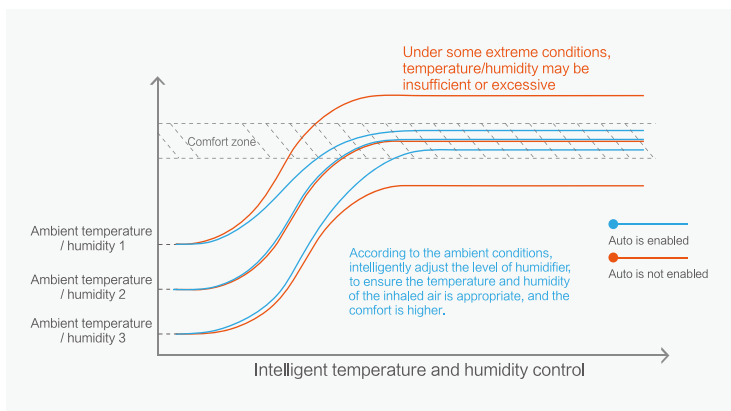
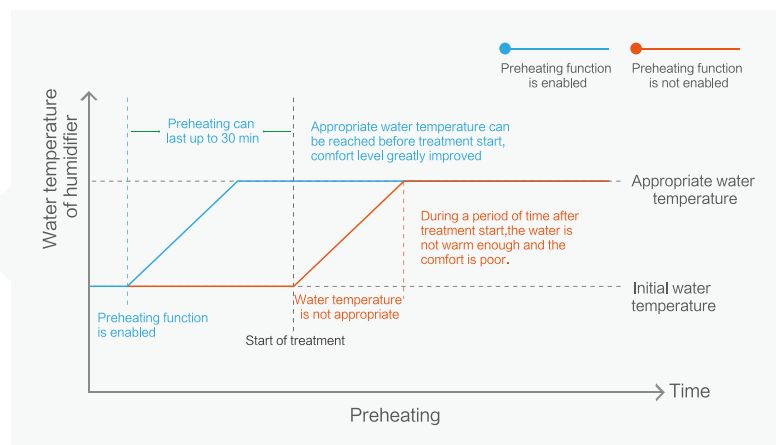




Intelligent comfort features

Pre-heat

G3 LAB has a pre-heat feature, to warm your humidifier water up for ultimate comfort during cold, dry weather.



Intelligent Auto Humidity control

Intelligent Auto Humidity control allows G3 B30VT maximum moisture while ensuring rain out in the tubing is not an issue.

Inspiratory / Expiratory sensitivity

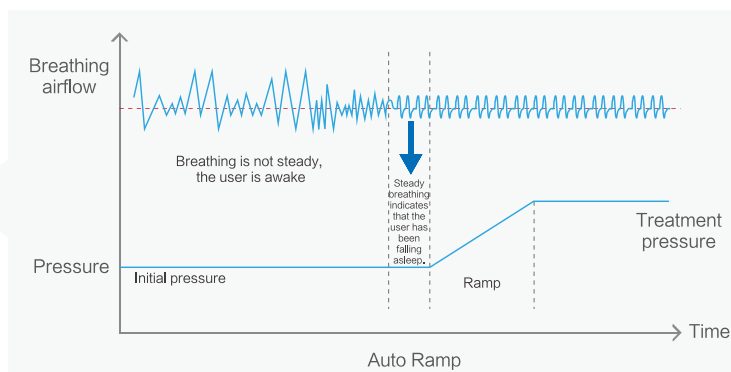
8 grades of I Sens and E Sens optimize the compliance of the device with the patient.





Auto Ramp

New auto ramp feature senses when the user falls asleep and will adjust ramp time appropriately.



Excellent silence performance

BMC uses multi-stage noise reduction technology to ensure noise performance under 26 dB.

Ultra modern design with
a user friendly interface



All new humidifier design keeps the G3 BPAP compact and attractive.

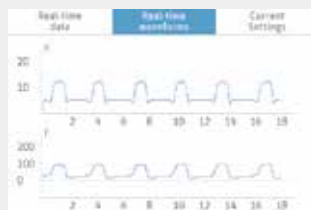
Innovative PUSH water chamber is
simple to use.



Humanized UI Design



Real-time data	Real-time waveforms	Current Settings
5.0 cmH ₂ O Pressure	23.5 L/min Flow	516 mL Vt
16 bpm Res Rate	8.4 L/min RR	1.1 L Ti
11.8 L/min Leak		



Real-time data	Real-time waveforms	Current Settings
S/T Mode	Off	Off
Target Wt	ASV	4.0 Initial BPAP
5.0 BPAP	12.0 CPAP	2 Rise Time
4 E Sens	0.5 Ti Min	2.0 Ti Max
1.0 Ti	Off	10 Res Rate
	Leak Alarm	

Accessories replacement reminder

Accessories replacement reminder and reminder cycle can be set for mask, air tubing and air filter, so that the consumables can be replaced regularly in time to ensure a better therapy effect.



Therapy	Comfort	Alarm	Maintenance
Alert Log			
Low Pressure		4.0 cmH ₂ O	
High Pressure		30.0 cmH ₂ O	
Low RR		6 bpm	

Alarms to make therapy reliable

Various visual and auditory alarming - Leak, High/Low RR, High/Low Pressure, Low Minute Ventilation, Power Failure, etc.

Powerful data transfer / retrieval solution



SD Card



Cellular



WiFi



iCode / iCode QR /
iCode QR+

Various way of Sleep Report review

- ◆ Quick Report through Device Screen
- ◆ BMCares App
- ◆ BMCares Cloud Platform
- ◆ iCode web version (www.bmc-icode.com)
- ◆ RESmart nPAP Data Analysis Software (PC software)
- ◆ RESmart Software web version
(www.icodeconnect.com/quick/info)

Complete optional accessories

G3 Series adopts a series of complete accessories to meet different usage scenarios and needs:



SpO₂ Kit



Cellular / WiFi Module



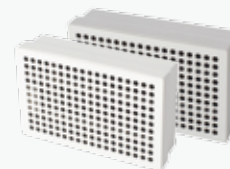
DC/DC Converter



Power Bank



Integrated Heated Tubing



PM2.5 Filter Box

*Some parts are not produced by BMC

Model Comparison

	G3 B20A	G3 B25S	G3 B25A	G3 B30SV	G3 B25VT	G3 B30VT	G3 LAB
Working mode & functions							
CPAP	•	•	•	•	•	•	•
AutoCPAP							•
S	•	•	•		•	•	•
AutoS	•		•				•
T					•	•	•
S/T				•	•	•	•
Target Tidal Volume					•	•	•
ASV / ASV Auto				•			•
Advanced event detection							
CSA Detection	•	•	•	•	•	•	•
CSR Detection				•			•
Comfort features							
Auto Ramp	•	•	•	•	•	•	•
Auto Humidifier	•	•	•	•	•	•	•
Auto Heated Tubing	•	•	•	•	•	•	•
Reslex (Expiration Pressure Release)	•	•	•	•	•	•	•
Smart C	•	•	•	•	•	•	•
Smart A							•
Smart B	•		•				•
Data							
SD card	•	•	•	•	•	•	•
RESmart nPAP Data Analysis Software	•	•	•	•	•	•	•
iCode	•	•	•	•	•	•	•
iCode QR	•	•	•	•	•	•	•
iCode QR+	•	•	•	•	•	•	•
BMCares App	•	•	•	•	•	•	•
iCode Web Version	•	•	•	•	•	•	•
Built-in cellular / WiFi module	•	•	•	•	•	•	•
BMCares Cloud Platform	•	•	•	•	•	•	•

Specifications

Model Comparison

Model	Pressure	Screen	Mode
G3 B25S	4-25hPa	3.5-inch	S, CPAP
G3 B20A	4-20hPa	3.5-inch	Auto S, S, CPAP
G3 B25A	4-25hPa	3.5-inch	Auto S, S, CPAP
G3 B25VT	4-25hPa	3.5-inch	S/T, S, T, CPAP
G3 B30VT	4-30hPa	3.5-inch	S/T, S, T, CPAP
G3 B30SV	4-30hPa	3.5-inch	S/T (with ASV or ASV Auto) CPAP
G3 LAB	4-30hPa	3.5-inch	S/T, Auto S, S, T, Auto CPAP CPAP

Device Size

Dimensions (L x W x H): 265 mm × 145 mm × 114 mm

Weight: 1.7 kg

Water capacity: To maximum fill line 360 mL

Heated Humidifier

Humidifier Settings:

Off, 1 to 5, Auto (95°F to 154.4°F / 35°C to 68°C)

Humidifier Output:

No less than 15 mg H₂O/L

Sound Pressure Level

< 26 dB, when the device is working at the pressure of 10 hPa.

Data Transfer

Cellular Module, WiFi

Data Storage

On board:

Summary data, all the time;

Detailed airflow data, 1 day.

SD card:

Summary data, all the time;

Detailed airflow data, 546 hours.



BMC Medical Co., Ltd.

Room 110, Tower A Fengyu Building, No.115 Fucheng Road, Haidian,
100036 Beijing, PEOPLE'S REPUBLIC OF CHINA

Tel: +86-10-5166 3880 / Fax: +86-10-5166 3880 ext. 810

en.bmc-medical.com