

G3 Series Ventilator

Intelligent device knows you better



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The G3 series of PAP devices is a new generation of ventilators designed by BMC. The line includes CPAP, Auto CPAP, Auto Bi-Level, Bi-Level ST, ASV and LAB model specifically for sleep lab titration. The G3 series has intelligent, user friendly features, is ultra quiet and includes powerful data transmission. The G3 will bring a new level of comfort to its users.

Ultra modern design with a user friendly interface



G3 C20

is a fixed-pressure CPAP (Continuous Positive Airway Pressure) device.

G3 A20

is an auto-adjusting CPAP (Continuous Positive Airway Pressure) device.



All new humidifier design keeps the G3 compact and attractive.

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.



Innovative PUSH water chamber is simple to use.

Water can be added without removing the water chamber for ease of use.



G3 B25VT / B30VT

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

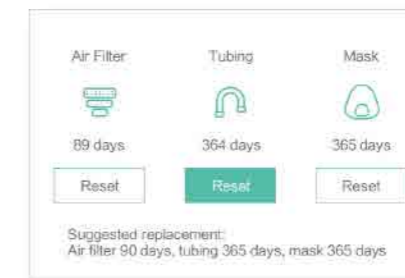
G3 LAB

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



Humanized UI Design

- One button access to frequently used features.
- A 3.5" screen displays real-time data and waveform feedback in full color.



Accessory and supply reminder keeps your treatment healthy and effective.



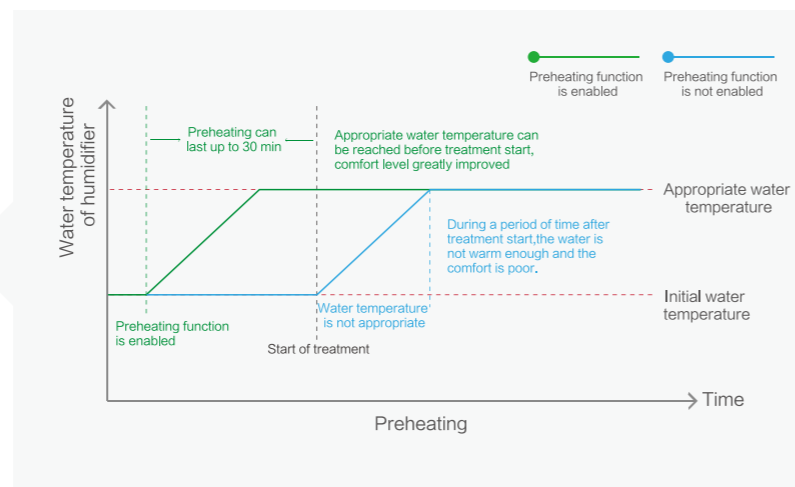
G3 has a clock, temperature and humidity monitor on stand-by, multi-purpose for convenience.

Intelligent comfort features



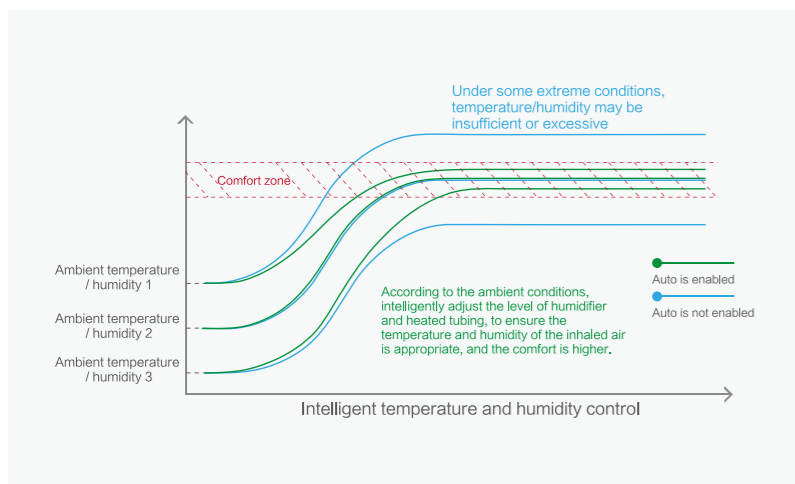
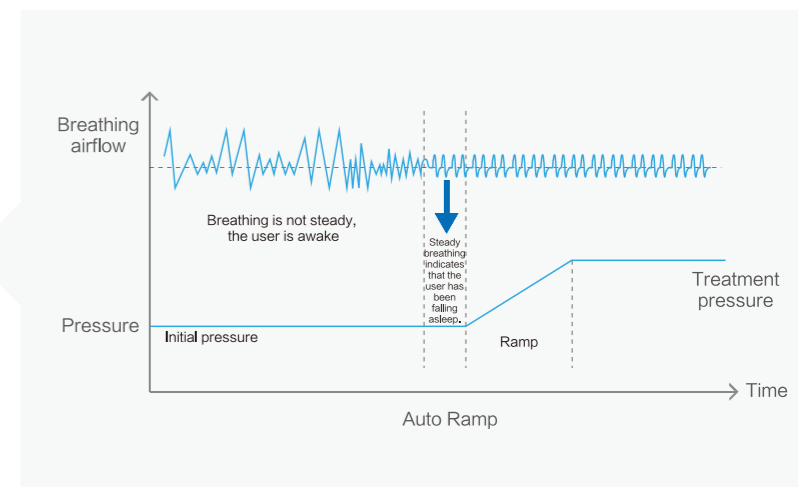
Pre-heat

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



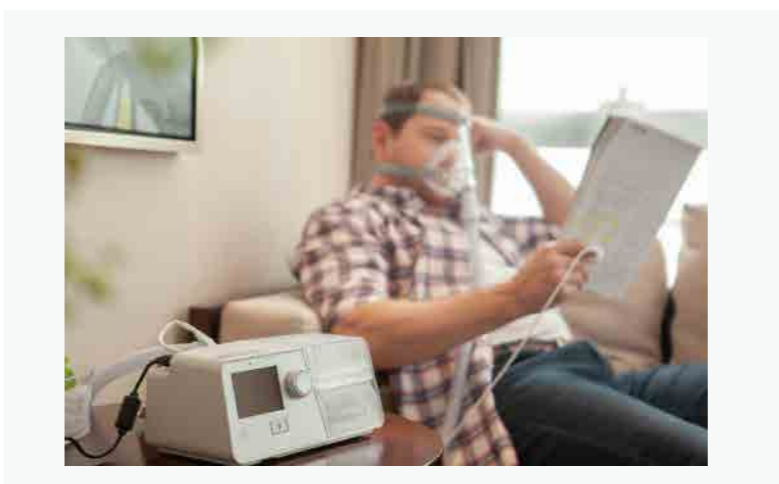
Auto Ramp

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



Integrated heated tubing with intelligent Auto Humidity control

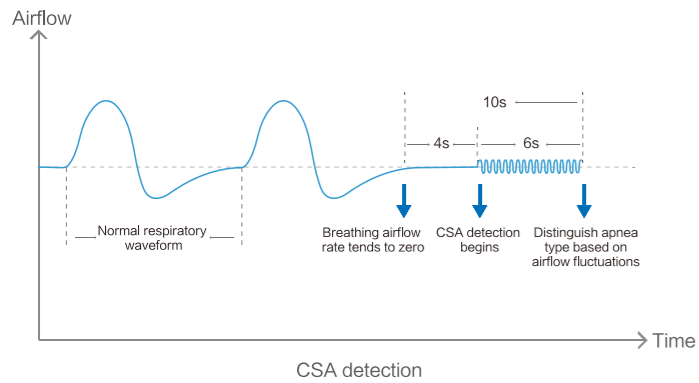
Integrated heated tubing with intelligent Auto Humidity control allows G3 maximum moisture while ensuring rain out in the hose is not an issue.



Excellent silence performance

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

Effective Performance

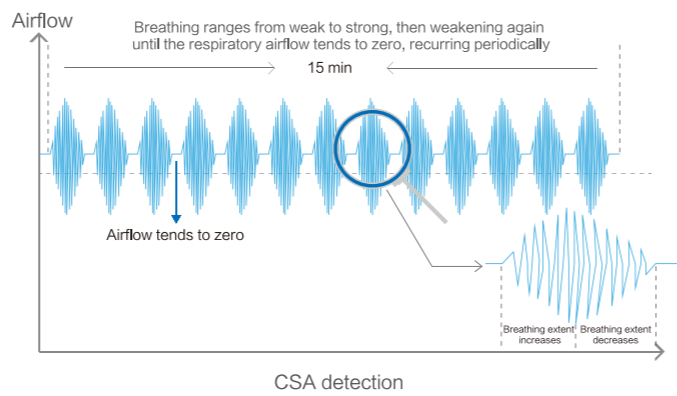


CSA detection

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.



SpO₂ sensor

- Finger sleeve type
- Finger clip type

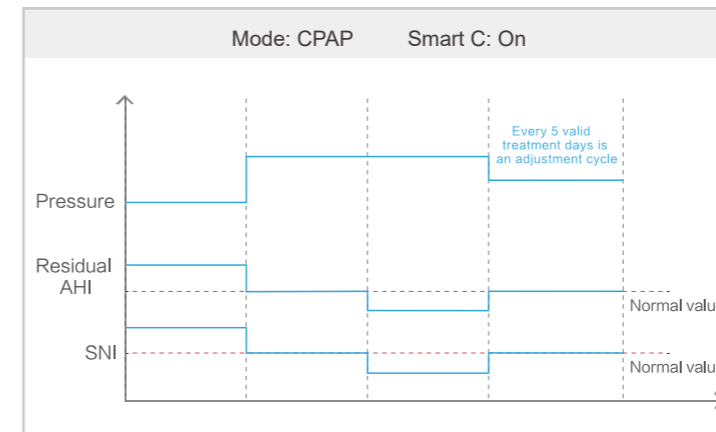


PM2.5 filter box

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

Intelligent Pressure Adjusting Technology - Smart C/A/B

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

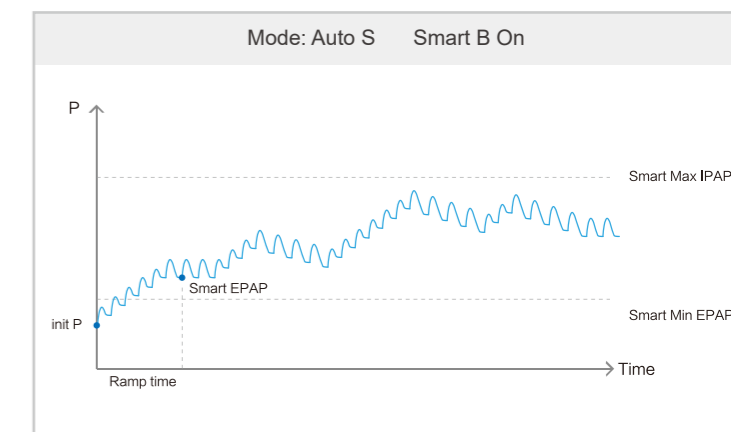
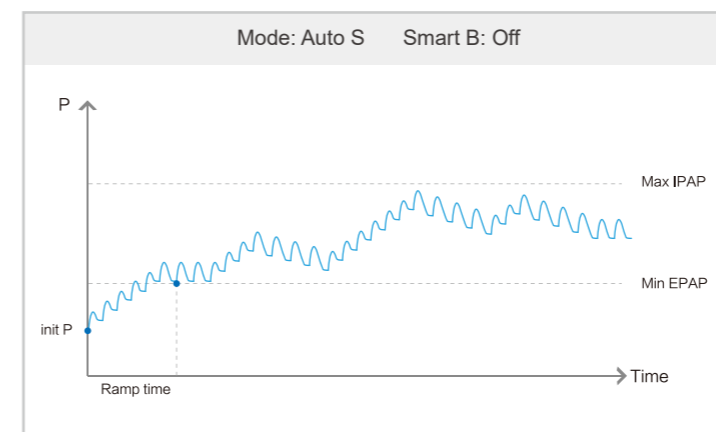
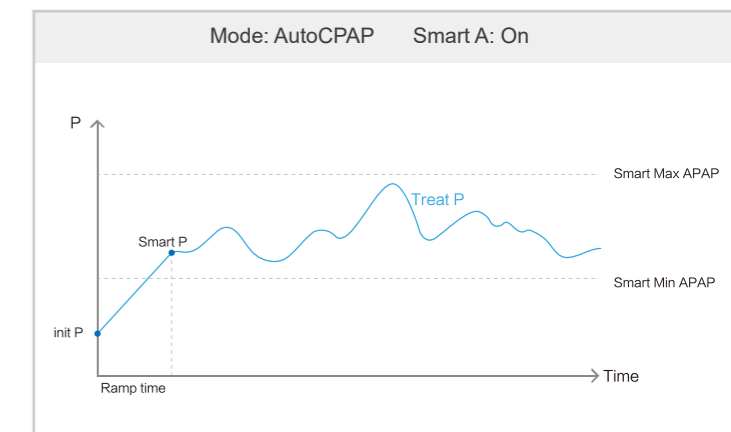
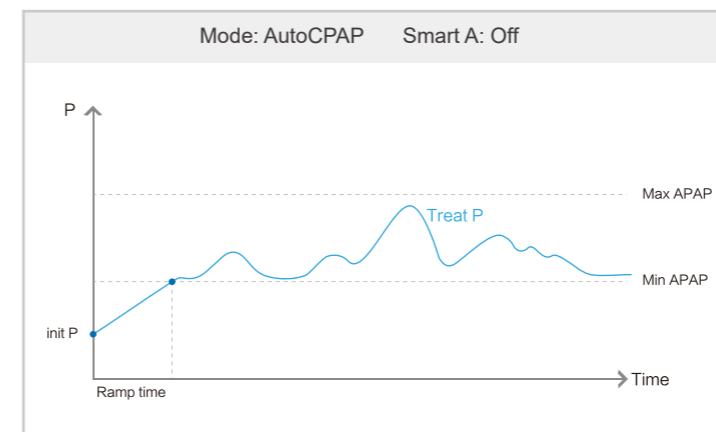


• Smart C (CPAP mode)

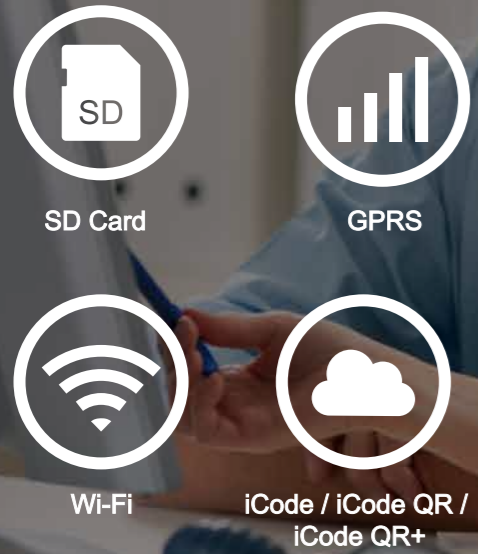
Optimizes the treatment pressure every 5 days according to AHI and SNI.

• Smart A / B (AutoCPAP / Auto Bi-level mode)

- Provides optimal starting pressure (Smart P / 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 P95 / EPAP95 and P50 / EPAP50 over a moving 5-day window.



Powerful data transfer / retrieval solution



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



SpO₂ Kit



GPRS / Wi-Fi Module



DC/DC Converter



Power Bank



Integrated Heated Tubing



PM2.5 Filter Box

Model Comparison

	G3 C20	G3 A20	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 / Wi-Fi module	•	•	•	•	•	•	•	•	•
BMCares Cloud Platform	•	•	•	•	•	•	•	•	•

Specifications

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

Product Use, Transport and Storage

	Operation	Transport and Storage
Temperature:	5°C to 35°C (41°F to 95°F)	-25°C to 70°C (-13°F to 158°F)
Humidity:	15% to 93% Non-condensing	15% to 93% Non-condensing
Atmospheric Pressure:	760 - 1060 hPa	760 - 1060 hPa

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

Environmental Conditions: Maximum airflow, 35°C, 15% relative humidity

Maximum Operating Pressure: 40 hPa

Pressure Drop with Humidifier: < 0.4 hPa at 60 LPM flow

Maximum Delivered Gas Temperature: ≤ 43°C

Cellular Module

Receiver Frequency Band: 850/900/1800/1900 MHz

FCCID: XMR201202M35

Max RF power output: 33.0 dBm

Wi-Fi Kit

FCCID: AZY-HF-LPT200

Mode of Operation

Continuous

SD Card

The SD card can record patient data and fault information

AC Power Consumption

100 - 240 V AC, 50 / 60 Hz, 2.5 A Max

100 - 240 V AC, 50 / 60 Hz, 2 A Max

Main Device Input

24 V, 3.33 A

Device offer to Heated Tubing Communications Port

24 V  18 W

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

IP22

Static Pressure Stability

±0.5 hPa

Ramp

The ramp time ranges from 0 to 60 minutes.

Sound Pressure Level

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

Sound Power Level

< 34 dB, when the device is working at the pressure of 10 hPa.

Maximum Flow

G3 C20 / G3 A20

Test Pressures (hPa)	4	10	15	20
Measured Pressure at the Patient Connection Port (hPa)	3	9	14	19
Average Flow at the Patient Connection Port (L/min)	85	135	140	140

G3 B Series and G3 LAB

Test Pressures (hPa)	4	10	15	20
Measured Pressure at the Patient Connection Port (hPa)	3	9	14	19
Average Flow at the Patient Connection Port (L/min)	90	150	150	150

SpO₂

Range: 35% to 100%

The margin of error for SpO₂ between 70% and 100% is ±3%. No strict accuracy requirements for SpO₂ below 70%.

Pulse Rate

Range: 30 to 240 BPM

Margin of Error: ±2%

Wavelengths

Red: 663 nanometers

Infrared: 890 nanometers

Maximal Optical Output Power

Less than 1.5 mw maximum average.

Air Tubing

Length: 6 ft. (1.83 m)

Inner diameter: 15 / 19 mm

The Form and the Dimensions of the Patient Connection Port

The 22 mm conical air outlet complies with ISO 5356-1.

PM2.5 Filter

Efficiency: > 95% for 2.5 micron dust

Specifications are subject to change without notice.