





# POSITIVE AIRWAY PRESSURE (PAP) SYSTEMS

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Company		3B Medical Inc	Breas Medical Inc	Drive DeVilbiss Healthcare	Fisher & Paykel Healthcare
<b>PAP</b>		 Luna II CPAP & Auto-CPAP	 Z2 CPAP & Auto CPAP	 IntelliPAP2 AutoAdjust CPAP System	 <b>SleepStyle</b>
<b>Website</b>		www.3bproducts.com	www.breas.us	www.drivemedical.com	www.fphcare.com
<b>Warranty (years)</b>		2	2	3	2
<b>Operating Modes</b>	<b>CPAP</b>	Yes	Yes	Yes	Yes
	<b>APAP</b>	Yes	Yes	Yes	Yes
	<b>Bilevel</b>	No	No	No	No
	<b>Auto-adjusting Bilevel</b>	No	No	No	No
<b>Pressure Relief</b>		Yes (0-3 cm H <sub>2</sub> O)	No	Yes	Yes
<b>Dimensions (cm)</b>		27 x 18 x 11	16.46 x 8.38 x 5.13	16 x 15.5 x 19.3	14 x 18 x 18
<b>Weight (kg)</b>		1.9	0.299	1.7 with humidifier	1.7
<b>Noise Level (dBa)</b>		<28	26	26.6	28
<b>Pressure Range (cm H<sub>2</sub>O)</b>		4-20	4-20	3-20	4-20
<b>Pressure Adjustment Increment (cm H<sub>2</sub>O)</b>		0.5	0.5	0.5	0.5
<b>Ramp Time (minutes)</b>		0-60	0-45	0-45	20
<b>Data Recorded</b>		Usage hours, AHI, central apnea index, leak, average pressure, p95, maximum pressure, apnea count, hypopnea count	Usage hours, leak, AH count, AHI (index)	Usage, AHI, leak, pressure, exhale puffing, non-responding events, 90th and 95th percentile pressures, snore, hypopnea, central apnea index, flow limitation, adherence score, oximetry	Compliance, AHI, leak, SensAwake detections, flow limitations, apneas, hypopneas, high resolution flow data
<b>Features</b>	<b>Auto Start/Stop</b>	Yes	Yes	Yes	No
	<b>Leak Compensation</b>	Yes	Yes	Yes	Yes
	<b>Mask On/Off Alert</b>	Yes	Yes	Yes	No
	<b>Altitude Compensation</b>	Yes	Yes	Yes	Yes
	<b>Heated Humidification</b>	Yes	No	Yes	Yes
	<b>Remote Programming</b>	Yes	Yes	Yes	Yes
<b>Patient Access to Own Data Without Physician Involvement</b>		Yes, via free smartphone app, iCode-Connect Quick Report, and on screen data.	Yes, using Nitelog mobile app available for iOS and Android mobile devices.	Yes, via device display, SmartLink smartphone app, and intelligpap.com.	Yes.
<b>Additional Features</b>		Advanced cellular machine-to-machine (M2M) technology with 4G LTE Cat M1 and narrowband Internet of Things (NB-IoT).	Optional PowerShell (integrated overnight battery).	Featuring PureView Algorithm, the IntelliPAP 2 offers improved sensitivity (compared to Drive DeVilbiss' previous generation device) to a full spectrum of events based on the patient's natural breathing pattern. The IntelliPAP 2 also features Bluetooth connectivity to allow the patient to view and transmit therapy data.	Built-in cellular connectivity; fully integrated humidifier and power supply, ThermoSmart humidification technology; SensAwake automatic ramp technology; expiratory relief; built-in Bluetooth technology; compatible with SleepStyle App and web; InfoUSB, InfoSmart Web. Ease of use commendation from American Arthritis Foundation.

Philips Respironics	ResMed	Somnera Inc	Somnics
			
DreamStation	AirSense 10 AutoSet	Somnera System Airbox	Transcend 365 miniCPAP
<a href="http://www.philips.com/dreamstation">www.philips.com/dreamstation</a>	<a href="http://resmed.com">resmed.com</a>	<a href="http://www.somnera.com">www.somnera.com</a>	<a href="http://www.mytranscend.com">www.mytranscend.com</a>
2	2	2	2
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
Yes	No	No	No
Yes	No	No	No
Yes	Yes	Yes	Yes
15.7 x 19.3 x 8.4	11.6 x 25.5 x 15.0	13.3 x 8.8 x 6.8	19.8 x 9.7 x 11.4
1.33 (without humidifier); 1.98 (with humidifier)	1.25	0.6	0.8 (with integrated humidifier)
26.1 (device); 27.3 (with humidifier)	25	<44	<30
4-20	4-20	4-20	4-20
0.5	0.2	1.0	0.1
0-45 (5 minute increments)	0-45 min or auto (begins at sleep onset)	0-45	0-45
Encore data capture and reporting, use patterns, advanced event detection,* flow waveform reports. *This can detect, respond to (some models), and log: AHI, RERA, flow limitation, leak, vibratory snore, obstructive apnea, large leak, clear apnea, periodic breathing, hypopnea	Hours used, mode of therapy, apnea (central, obstructive) and hypopnea (AHI), leak, CSR, RERA, pressure, EPR level	Usage hours, leak	Usage, average hours/night, median hours/night, compliance rate, average leak, median leak, 90 percentile leak, 95 percentile leak, average pressure, 90 percentile pressure, 95 percentile pressure, AHI index, apnea index, hypopnea index, time spent in apnea, time spent in hypopnea, pressure settings
Yes	Yes	Yes	No
Yes	Yes	No	Yes
No	No	No	No
Yes	Yes	Yes	Yes
Yes	Yes	N/A	Yes
Yes	Yes	No	No
Yes, via the DreamMapper patient self-management tool.	Yes, via the myAir patient engagement app.	Yes, on the SleepBridge app (for iPhone or Android) and in the SleepBridge cloud via Bluetooth.	Yes, via free desktop software or TranSync cloud-based reporting.
CPAP-Check, EZ-Start, Auto-Trial, Opti-Start, SmartRamp, FLEX comfort, humidity control; heated tube; Advanced Event Detection; Performance Check, integrated Bluetooth, EncoreAnywhere, DreamMapper, cellular or wifi modems, SD card; optional oximetry accessory.	Integrated humidifier, built-in wireless data communications, Advanced Event Detection, AutoSet Response, AutoRamp, Climate Control, SmartStart, optional integrated oximetry, Remote Assist, AirView, myAir. AirSense 10 is also available in CPAP, Elite, and AutoSet for Her models.	System purchase includes free option for live sleep coaching visits through the SleepBridge Support Program. SmartValve technology allows for tiny, lightweight 9 mm hose and eliminates need for humidifier. Intuitive touchscreen display. Track progress on smart devices with the SleepBridge App for iPhone and Android.	Smart Power technology powers the CPAP and heated humidifier from a single battery or AC power supply. Smart Humidifier requires less water and eliminates rainout, 2.4-in color LCD screen to view compliance data and manage therapy settings. Drying mode keeps mask and tube clean. TranSync cloud-based compliance data, TranSync compliance mobile app. Free desktop software for compliance data and therapy settings. Bluetooth capable with optional dongle. Optional battery accessory, includes padded travel bag and international cord set. ●