











CATEGORY SPONSORED BY HUMAN DESIGN MEDICAL LLC

Human Design Medical (HDM) focuses on delivering lifestyle medical devices that fit the way users live their lives. We believe that by delivering devices that are more lifestyle-friendly, we encourage usage and increase everyday compliance. The new Z1 Auto and iOS App deliver on the HDM promise by offering complete therapy with daily-weekly-monthly feedback including AH count, AH index, usage, pressure, and leak in the world's smallest package. Visit us at <http://www.smallcpap.com>. Human Design Medical, Breas Medical, and B & D Electromedical are wholly owned by the PBM Capital Group.

				MATRIX SPONSOR	
Company	3B Medical Inc	DeVilbiss Healthcare	Fisher & Paykel Healthcare	Human Design Medical, LLC	
Product	 RESmart BPAP25A B7000	 IntelliPAP AutoAdjust	 ICON+ Series	 The Z1 CPAP <i>See our ad on page 31</i>	
Website	www.3Bproducts.com	www.devilbisshealthcare.com	www.fphcare.com	www.smallcpap.com	
Warranty (years)	2	3	2	3	
Operating Modes	CPAP	Yes	Yes	Yes	
	APAP	No	Yes	No	
	Bilevel	Yes	No	No	
	Auto-adjusting Bilevel	Yes	No	No	
Pressure Relief	Yes	Yes	Yes	Yes	
Dimensions (cm)	22 x 19 x 11	10.7 x 16.5 x 17.5	16 x 17 x 22	16.5 x 8.3 x 5.1	
Weight (kg)	1.58	1.22	2.2	0.28	
Noise Level (dBa)	<30 at 10 cm H ₂ O	26	<30	26	
Operating Pressure Range (cm H₂O)	4-25	3-25	4-20	4-20	
Pressure Adjustment Increment (cm H₂O)	0.5	0.5	0.5	0.5	
Adjustable Starting Ramp Pressure (cm H₂O)	4	3-25	4-20 (SensAwake)	4.0-19.5	
Ramp Time (minutes)	0-60	0-45	Automatic (SensAwake) or 20 minutes	0-45	
Data Recorded	Compliance data, plus efficacy data including AHI, leak, open airway, apnea, snore, pressure settings	Usage, AHI, leak, pressure, exhale puffing, non-responding events, 90th and 95th percentile pressures, snore, hypopnea, adherence score, oximetry (optional)	Hours used, compliance rate, AHI, leak, AI, HI, flow limitations, detailed night-by-night data, 90th percentile pressure, SensAwake detections, mask on/off	Usage, leak, AH count, AHI (index)	
Features	Auto Start/Stop	Yes	Yes	No	
	Leak Compensation	Yes	Yes	Yes	
	Mask On/Off Alert	Yes	No	Yes	Yes
	Altitude Compensation	Yes	Yes	Yes	Yes
	Heated Humidification	Yes	Yes	Yes	No
	Remote Programming	No	Yes	Yes	Yes
Patient Access to Own Data Without Physician Involvement	Yes, patient daily visual compliance check on LCD display, plus smartphone apps for compliance reports.	Yes, via 3 options. 1. Entering the SmartCode from the device display at www.intelliPAP.com . 2. Setting up an account at www.IntelliPAPSmartCode.com . 3. Using the QuickView menu on the device directly.	Yes, via on-screen patient data menu.	Yes, via HDM Data Viewer Software.	
Additional Features	Affordable, reliable, and full-featured unit; comes standard with included data compliance and record archiving through iCodeConnect.com web portal.	Made in the USA, built in Somerset, Pa, and has less than a 1% failure rate over 5 years; optional 2-year extended warranty to cover the patient for a full 5 years. The IntelliPAP platform offers a full line of devices: Standard, Standard Plus, AutoAdjust, Bilevel S, and AutoBilevel.	Aesthetically pleasing; simple mode for patients and clinicians; ThermoSmart humidification; SensAwake responsive pressure relief; InfoSmart Web cloud-based software; flexible data methods, eg, InfoUSB, InfoGSM modems, and InfoView; reliability. The F&P ICON+ family includes Novo, Premo, and Auto.	Integrated overnight battery.	

POSITIVE AIRWAY PRESSURE SYSTEMS
Information for this guide based on data submitted by product manufacturers. Sleep Review strives for accuracy in all data but cannot be held responsible for claims made by manufacturers.

		MATRIX SPONSOR			
Company		Human Design Medical, LLC	Philips Respironics	ResMed	Somnics International Inc
Product		 <p>See our ad on page 31</p> <p>The Z1 Auto</p>	 <p>System One REMstar Auto</p>	 <p>See our ad on page 23</p> <p>AirSense 10 AutoSet for Her</p>	 <p>Transcend Auto</p>
Website		www.smallcpap.com	www.philips.com/systemone	www.resmed.com/us/en/consumer/airsolutions.html	www.mytranscend.com
Warranty (years)		3	2	2	3
Operating Modes	CPAP	Yes	Yes	Yes	Yes
	APAP	Yes	Yes	Yes	Yes
	Bilevel	No	No	Coming soon	No
	Auto-adjusting Bilevel	No	No	Coming soon	No
Pressure Relief		Yes	Yes	Yes	Yes
Dimensions (cm)		16.5 x 8.3 x 5.1	17.78 x 13.97 x 10.16	11.6 x 25.5 x 15.0	17.6 x 10.2 x 8.7
Weight (kg)		0.28	1.5	1.248	0.43
Noise Level (dBA)		26	<30	27	26.6
Operating Pressure Range (cm H ₂ O)		4-20	4-20	4-20	4-20
Pressure Adjustment Increment (cm H ₂ O)		0.5	0.5	0.2	0.1
Adjustable Starting Ramp Pressure (cm H ₂ O)		4.0-19.5	4 (patient adjustable)	4-20	4-20
Ramp Time (minutes)		0-45	0-45 (5 minute increments)	0-45 min or auto (begins at sleep onset)	0-45, adjustable
Data Recorded		Usage, leak, AH count, AHI (index)	Encore data capture and reporting, use patterns, advanced event detection,* flow waveform reports. *this can detect, respond to (some models), and log: AHI, RERA, snore, flow limitation, leak, vibratory snore, obstructive airway apnea, large leak, clear airway apnea, periodic breathing, hypopnea	Hours used, mode of therapy, apnea (central, obstructive) and hypopnea (AHI), leak, CSR, RERA, pressure, EPR level	Average hours/night, median hours/night, therapy session (4, 6, and 8 hours), therapy settings, time-weighted average pressure, 90th and 95th percentile pressure, AHI index, apnea index, hypopnea index, leak, nightly detailed compliance including: pressure trend, leak rate, apneas, hypopneas
Features	Auto Start/Stop	Yes	Yes	Yes	No
	Leak Compensation	Yes	Yes	Yes	Yes
	Mask On/Off Alert	Yes	No	Yes	No
	Altitude Compensation	Yes	Yes	Yes	Yes
	Heated Humidification	No	Yes	Yes	Yes
	Remote Programming	Yes	Yes	Yes	No
Patient Access to Own Data Without Physician Involvement		Yes, via HDM's Nitelog App, available for free at the iTunes Store.	Yes, via SleepMapper patient self-management system.	Yes, on the device screen "sleep report" or the SD card via WakeUpToSleep.com, or wirelessly via myAir.com (mobile website coming soon).	Yes, download the free software, then connect device via provided mini USB cord. Or use the TranSync cloud system, which also requires a mini USB connection.
Additional Features		Integrated overnight battery.	Opti-Start feature, System One Humidity Control; System One Heated Tube; Advanced Event Detection; EncoreAnywhere; SleepMapper; modem, and SD card capable; optional integrated oximetry.	Integrated humidifier, integrated wireless data communications capability. This device provides specialized sleep apnea therapy for women based on specific female breathing patterns. AirSense 10 is also available in CPAP, Elite, and AutoSet models.	Multiple portable battery options—rechargeable with AC, DC, and solar power—to make it easy for patients to use CPAP therapy anywhere.