Home therapy devices comparison

		CPAP/APAP	BILEVEL	ASV
Reimbursement HCPCS Code: E0601*	AirSense™ 10 CPAP	• AutoRamp™ with sleep onset detection • Easy-Breathe waveform with EPR™		
	AirSense 10 Elite	• AutoRamp with sleep onset detection • CSA, RERA and CSR detection • Easy-Breathe waveform with EPR		
	AirSense 10 AutoSet™	• Enhanced AutoSet algorithm • AutoRamp with sleep onset detection • CSA, RERA and CSR detection • Easy-Breathe waveform with EPR • AutoSet Response comfort setting		
	AirSense 10 AutoSet for Her	• AutoSet for Her algorithm tailored for female characteristics of sleep-disordered breathing • AutoRamp with sleep onset detection • CSA, RERA and CSR detection • Easy-Breathe waveform with EPR • AutoSet Response comfort setting		
Reimbursement HCPCS Code: E0470*	AirCurve™ 10 S		• Fixed bilevel device • Easy-Breathe waveform with CSA detection • Vsync maintains synchrony • Adjustable TiControl™ and trigger and cycle sensitivity	
	AirCurve 10 VAuto		• Auto-bilevel treatment with enhanced AutoSet technology • Easy-Breathe waveform with CSA detection • Ideal for non-backup rate bilevel support and OSA comorbidity • Adjustable TiControl and trigger and cycle sensitivity	
	VPAP™ COPD		• Default settings optimized to treat COPD • Alarms and IPAP pressure up to 30 cm H_2O • FDA-cleared and indicated to treat COPD • Adjustable TiControl and Rise Time to maximize patient–ventilator synchrony	
Reimbursement HCPCS Code: E0471*	AirCurve 10 ST		• Bilevel device with a backup rate to 50 bpm • Adjustable TiControl and Rise Time to maximize breath efficacy • Accurate tidal volume/minute ventilation display	
	AirCurve 10 ST-A		• iVAPS™– intelligent Volume-Assured Pressure Support to meet alveolar ventilation target • Alarms and IPAP pressure up to 30 cm H_2O • Clearance to treat patients weighing more than 30 lbs (13 kg) and 66 lbs (30 kg) when using iVAPS mode • Adjustable TiControl and Rise Time to maximize breath efficacy	
	AirCurve 10 ASV			• Adaptive servo-ventilator targeting recent minute ventilation • Easy-Breathe waveform • Auto-adjusts EPAP to maintain upper airway patency

*In addition to the HCPCS codes above, PDAC also assigned the following HCPCS codes to these products: E0562 + A9279 + (A4604 or A7037); not applicable to VPAP COPD

Therapy comparison

	AirSense 10 CPAP	AirSense 10 Elite	AirSense 10 AutoSet	AirSense 10 AutoSet for Her	AirCurve 10 S	AirCurve 10 VAuto	VPAP COPD	AirCurve 10 ST	AirCurve 10 ST-A	AirCurve 10 ASV
Operating pressure range (cm H_2O)	4–20	4–20	4–20	4–20	3–25	3–25	3–30	3–25	3–30	4–25
Modes of operation										
CPAP	•	•	•	•	•	•	•	•	•	•
AutoSet			•	•						
AutoSet for Her				•						
VAuto						•				
Spontaneous (S)					•	•	•	•	•	
Spontaneous/Timed (ST)								•	•	
Timed (T)								•	•	
PAC									•	
Adaptive servo-ventilation (ASV and ASVAuto)										•
iVAPS									•	
Product features										
CSA detection		•	•	•	•	•				
RERA detection		•	•	•						
CSR detection		•	•	•						
AutoRamp with sleep onset detection	•	•	•	•						
Easy-Breathe waveform with EPR	•	•	•	•	•	•				•
SmartStart™/Stop feature	•	•	•	•	•	•	•	•	•	•
AutoSet Response comfort setting			•	•						
Vsync automatic leak management					•	•	•	•	•	
Adjustable trigger and cycle sensitivity					•	•	•	•	•	
TiControl (Ti Max/Ti Min)					•	•	•	•	•	
Auto-adjusts pressure for OSA events			•	•		•				•
Optional integrated oximetry	•	•	•	•	•	•	•	•	•	•
Leak alert					•	•	•	•	•	•
3 m tubing					•	•	•	•	•	•
Learns and adapts to breathing pattern										•
Learns and adapts to minute ventilation										•
Uses patient's recent respiratory rate (with a 15 bpm backup)										•
Alarms								•	•	
Oxygen use	Up to 4 L/min	Up to 4 L/min	Up to 4 L/min	Up to 4 L/min	Up to 15 L/min*	Up to 15 L/min**	Up to 15 L/min	Up to 15 L/min	Up to 15 L/min***	Up to 15 L/min****
Humidification										
Optional fully integrated							•			
Standard fully integrated	•	•	•	•	•	•		•	•	•
Climate Control with ClimateLine™/ClimateLineAir™	•	•	•	•	•	•	•	•	•	•
Data transfer										
Integrated cellular module	•	•	•	•	•	•		•	•	•
SD data card	•	•	•	•	•	•	•	•	•	•
Data storage										
Detailed data on SD card (30 sessions)		•	•	•	•	•	•	•	•	•
High-resolution flow on SD card (30 sessions)		•	•	•	•	•	•†	•	•	•
Compliance and summary data on SD card/device (365 sessions)	•	•	•	•	•	•	•	•	•	•

Note: ASV therapy is contraindicated in patients with chronic, symptomatic heart failure (NYHA 2–4) with reduced left ventricular ejection fraction (LVEF ≤ 45%) and moderate to severe predominant central sleep apnea.

*4 L/min in S mode with Easy Breathe on and CPAP mode
**4 L/min in VAuto & CPAP modes in addition to S mode if Easy Breathe is on
*** 4 L/min in iVAPS mode
****4 L/min in ASVAuto mode
†7 sessions.