













Positive Airway Pressure Systems: Comparison Guide

Company	AEIOMed Inc	CareFusion	DeVilbiss Healthcare	
Product Name	 Everest 3 CPAP system	 PurSom Plus	 IntelliPAP Standard CPAP System	 IntelliPAP AutoAdjust CPAP System
Website	www.aeiomed.com	www.carefusion.com	www.devilbisshc.com	www.devilbisshc.com
Warranty	2 years	2 years	3 years, 2 on heated humidifier	3 years, 2 on heated humidifier
Operating Mode	CPAP	CPAP	CPAP	auto-adjusting
Indications	OSA	OSA	OSA	OSA
Size (H x L x W) in inches	5 x 6 x 5	5.8 x 5.0 x 3.9	6.4 x 6.5 x 8.4	6.4 x 6.5 x 8.4
Weight (lbs)	1.8	1.76	4.45 with humidifier	4.45 with humidifier
Power Type	100-240 VAC, 50-60 Hz, 19 VDC, 50 watt max power supply; mobile power adaptor and battery option also available	100V-240V, 50/60 Hz, universal power supply	AC/DC	AC/DC
Noise Level (dba)	≤ 22 without humidifier, ≤ 28 with humidifier	<30	26	26
Operating Pressure Range (cm H ₂ O)	4–20	4–18	3–20	3–20
Pressure Adjustment Increment (cm H ₂ O)	1	0.5	0.5	0.5
Adjustable Starting Ramp Pressure (cm H ₂ O)	4–20	3 up to therapy pressure	dealer adjustable	dealer adjustable
Ramp Time (minutes)	approximately 5–45	approximately 0–45	approximately 0–45	approximately 0–45
Filter Type	washable foam	particle	Standard Filter, <3.0 microns, optional Fine Particle Filter, >3.0 microns	Standard Filter, <3.0 microns, optional Fine Particle Filter, >3.0 microns
Alarm			X	X
Auto Start/Stop			X	X
Auto Leak Compensation	X	X	X	X
Auto Altitude Compensation	X	X	X	X
Apnea/Hypopnea Detection			X	X
Compliance Meter	X	X	X	X
Downloadable Compliance Information	X	X	X	X
Humidifier	X	X	X	X
Heated Humidification	X	X	X	X
Memory	X	X	X	X
Pressure Delay	X		X	X
Remote Programming			X	X
Soft Exhalation				
Accessories and Other Features	Everest accessories include optional humidifier, battery, mobile power adaptor, and Headrest mask.	Value proposition, full features with compliance to accommodate reimbursement.	Introductory user video included. SmartCode Remote Adherence Monitoring system free inside every IntelliPAP CPAP.	Introductory user video included. SmartCode Remote Adherence Monitoring system free inside every IntelliPAP CPAP.

Company	Evo Medical Solutions	Fisher & Paykel Healthcare		Invacare Corp
Product Name	 RemRest Tier 3 CPAP	 SleepStyle 200 CPAP Series with SmartStick Technology	 SleepStyle 200 Auto Series	 Polaris EX CPAP with SoftX
Website	www.evomedical.com	www.fphcare.com	www.fphcare.com	www.invacare.com
Warranty	3 years	2 years	2 years	2 years
Operating Mode	CPAP	CPAP	auto-adjusting CPAP	CPAP
Indications	OSA, CSA	OSA	OSA	OSA
Size (H x L x W) in inches	4.7 x 8.6 x 9.4	10.8 x 6.7 x 5.5	10.8 x 6.7 x 5.5	5.2 x 8.5 x 8.5
Weight (lbs)	<5.0	4.2 including the humidifier	4.2 including the humidifier	4.2
Power Type	Input range 100-240V, 50/60 Hz, <120 VA (max power consumption) or 12 VDC	110V – 240V	110V – 240V	AC
Noise Level (dba)	<30	<30	<30	<35
Operating Pressure Range (cm H ₂ O)	3.5–20	4–20	4–20	4–20
Pressure Adjustment Increment (cm H ₂ O)	0.5	0.5	0.5	1
Adjustable Starting Ramp Pressure (cm H ₂ O)	n/a	4	n/a	4
Ramp Time (minutes)	20	20	n/a	5, 10, 20, or 30
Filter Type	reusable	EU3	EU3	45–60 ppi foam
Alarm	X			
Auto Start/Stop	n/a			
Auto Leak Compensation	X		X	X
Auto Altitude Compensation	X			
Apnea/Hypopnea Detection	X	X	X	
Compliance Meter	X	X	X	X
Downloadable Compliance Information	X	X	X	
Humidifier	optional	X	X	X
Heated Humidification	optional	X	X	X
Memory	X	X	X	X
Pressure Delay		n/a		X
Remote Programming		X	X	
Soft Exhalation	X		SensAwake Technology	X
Accessories and Other Features	The dynamic calibration feature can be used to overcome the resistance inherent in nasal interfaces.	Fully Integrated System, SmartStick Removable Media, Compliance Data, Efficacy Data, PerformanceMaximizer Software, Ambient Tracking Plus.	SensAwake Technology to personalize therapy during sleep and awake states. SmartStick Removable Media; Ambient Tracking Plus.	Designed to be integrated with Polaris EX EZ-Fill Humidifier, Quick Code compliance information easily accessed by patients, three SoftX settings.

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Company	Philips Respironics		ResMed	
Product Name	 Philips Respironics REMStar Auto CPAP System	 BiPAP autoSV Advanced	 S8 AutoSet II	 VPAP Auto 25
Website	www.philips.com/respironics	www.philips.com/respironics	www.resmed.com	www.resmed.com
Warranty	2 years	2 years	2 years	2 years
Operating Mode	auto-adjusting	servo-ventilation	AutoSet and fixed pressure CPAP	VAuto, S (Spontaneous), and fixed pressure CPAP
Indications	OSA	OSA, CSA, periodic breathing	OSA	OSA
Size (H x L x W) in inches	7 x 5.5 x 4	9.75 x 6.63 x 4.40	4.4 x 6.5 x 5.7	4.4 x 6.5 x 5.7
Weight (lbs)	3	4	3.09	2.9
Power Type	100–240 VAC; 12 VDC	100-240 VAC; 12 VDC (with external DC power adapter)	100–240V AC, 50/60 Hz; 12V or 24V DC via ResMed's DC-12 converter; 110V AC, 400 Hz	AC/DC 100–240V AC, 50/60 Hz; 12V or 24V DC via ResMed DC-24V/50W converter
Noise Level (dba)	<30 with humidifier	n/a	24	26
Operating Pressure Range (cm H ₂ O)	4–20	IPAP: 4–30; EPAP: 4–25	4–20	3–25
Pressure Adjustment Increment (cm H ₂ O)	0.5	1	0.2	0.2
Adjustable Starting Ramp Pressure (cm H ₂ O)	4; patient adjustable	4 to EPAP	CPAP mode: 4 to CPAP, user adjustable. APAP mode: settling	3 (or user selectable)
Ramp Time (minutes)	0–45 minutes (5-minute increments)	0–45 minutes (5-minute increments)	0–45	0–45
Filter Type	foam and ultra-fine	foam and ultra-fine	standard or hypoallergenic	standard or hypoallergenic
Alarm			X	
Auto Start/Stop	X	X	X	X
Auto Leak Compensation	X	X	X	X
Auto Altitude Compensation	X	X	X	X
Apnea/Hypopnea Detection	X	X	X	X
Compliance Meter	X	X	X	X
Downloadable Compliance Information	X	X	X	X
Humidifier	X	X	(optional integrated humidifier)	(optional integrated humidifier)
Heated Humidification	X	X	X	X
Memory	X	X	X	X
Pressure Delay	X	X	X	X
Remote Programming	X	X	X	X
Soft Exhalation	X	X	X, EPRTM	X
Accessories and Other Features	New System One technologies eliminate rainout and optimize comfort for every mask.	Features auto EPAP, advanced back-up rate, and Bi-Flex, making the management of complex sleep apnea patients easier and more effective.	Whisper-quiet operation, Easy-Breathe technology with improved EPR (expiratory pressure relief), usage-based compliance download for accurate patient monitoring, data card for easy two-way transfer, and AutoSet technology that automatically adjusts pressure on a breath-by-breath basis for increased comfort.	Combines clinically proven AutoSet technology with the quiet comfort of ResMed's Easy-Breathe technology; compatible with the S8 ResLink, ResScan, and S8 ResTraxx.

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.