



Device comparison and selection guide

DreamStation	Modes	Comfort features		Encore data capture and reporting			Reimbursement
		Flex comfort	Resistance Control	Patterns of use	Advanced event detection	Flow waveform	
CPAP devices							
Auto CPAP	CPAP CPAP-Check Auto-Trial Auto CPAP	C-Flex C-Flex+ A-Flex	Standard	Standard	Standard	Standard	E0601
CPAP Pro	CPAP CPAP-Check Auto-Trial	C-Flex C-Flex+ A-Flex	Standard	Standard	Standard	Standard	E0601
CPAP	CPAP	C-Flex	N/A	Standard	N/A	N/A	E0601
Bi-level devices							
Auto BiPAP	CPAP Bi-level Auto bi-level	C-Flex Bi-Flex	Standard	Standard	Standard	Standard	RAD without back-up rate E0470
BiPAP Pro	CPAP Bi-level	C-Flex Bi-Flex	Standard	Standard	Standard	Standard	RAD without back-up rate E0470
Ventilatory devices							
BiPAP autoSV	Auto servo	Bi-Flex	Standard	Standard	Standard	Standard	RAD with back-up rate E0471
BiPAP AVAPS	CPAP, S, S/T, T, PC, AVAPS	Bi-Flex (only available in S mode)	Standard	Standard	Standard	Standard	RAD with back-up rate E0471
BiPAP S/T	CPAP, S, S/T	Bi-Flex	Standard	Standard	Standard	Standard	RAD with back-up rate E0471

Advanced event detection:

Patient events are detected and logged for review by the care team for optimal patient care.

Philips Resironics devices with advanced event detection detect, respond to (some models), and log the following advanced events:

- Apnea Hypopnea Index (AHI)
- Flow limitation (FL)
- Obstructive airway apnea (OA)
- Periodic breathing (PB)
- Respiratory-related arousal (RERA)
- Leak
- Large leak (LL)
- Hypopnea (H)
- Snore
- Vibratory snore (VS)
- Clear airway apnea (CA)

Any Philips Resironics device with advanced event detection gives you the ability to review the patient flow waveform report.



Matching patients with the right therapy

Therapy type	Fixed CPAP		Auto-CPAP		Fixed Bi-level		Auto Bi-level		Auto Bi-level with back-up rate Servo-ventilation		Bi-level with back-up rate	
Therapy system	DreamStation CPAP Pro with C-Flex+ DSX40011 (S, H, T) ¹ (C, W) ⁴ CAX40012 (S, H, T) ¹ (C, W) ⁴ (Canada) CPAP with C-Flex DSX20011 (S, H, T) ¹ (C, W) ⁴ CAX20012 (S, H, T) ¹ (C, W) ⁴ (Canada)		DreamStation Auto CPAP with A-Flex DSX50011 (S, H, T) ¹ (C, W) ⁴ CAX50012 (S, H, T) ¹ (C, W) ⁴ (Canada)		DreamStation BiPAP Pro with Bi-Flex DSX60011 (S, H, T) ¹ (C, W) ⁴ CAX60012 (S, H, T) ¹ (C, W) ⁴ (Canada)		DreamStation Auto BiPAP with Bi-Flex DSX70011 (S, H, T) ¹ (C, W) ⁴ CAX70012 (S, H, T) ¹ (C, W) ⁴ (Canada)		DreamStation BiPAP autoSV DSX90011 (S,H,T) ¹ (C, W) ⁴ CAX90012 (S,H,T) ¹ (C, W) ⁴ (Canada)		DreamStation BiPAP AVAPS DSX113011 (S,H,T) ¹ (C, W) ⁴ CAX113012 (S, H, T) ¹ (C, W) ⁴ BiPAP S/T DSX103011 (S,H,T) ¹ (C, W) ⁴ Not available in Canada	
Target	OSA patients Short-term Auto patients ² Home sleep testing patients ²		OSA patients Short-term Auto patients ² Home sleep testing patients ²		OSA patients OSA patients non-responsive or non-tolerant of CPAP		OSA patients OSA patients non-responsive or non-tolerant of CPAP		OSA and respiratory insufficiency patients with central apnea, periodic breathing such as Cheyne-Stokes respiration (CSR), or complex apnea		OSA and respiratory insufficiency patients with hypoventilation caused by restrictive thoracic disorders, obesity hypoventilation syndrome, central apnea, and COPD Pediatric (≥ 18 kg) and adult use C-Flex, and Bi-Flex features are not cleared for pediatric use	
Algorithm	<ul style="list-style-type: none"> Corresponding Flex technology provides pressure relief Three patient-adjustable Flex settings Fixed CPAP pressure Trial period of breath-by-breath auto algorithm CPAP-Check algorithm² 		<ul style="list-style-type: none"> Flow-based proactive and reactive intelligence Delivers lowest mean average pressure levels Flow-based A-Flex pressure relief during inspiratory and expiratory phases Three patient-adjustable Flex settings 		<ul style="list-style-type: none"> Fixed IPAP and EPAP pressures Flow-based Bi-Flex pressure relief during inspiratory and expiratory phases Three patient-adjustable Flex settings 		<ul style="list-style-type: none"> Flow-based proactive and reactive intelligence Delivers lowest mean average pressure levels Flow-based Bi-Flex pressure relief during inspiratory and expiratory phases Three patient-adjustable Flex settings 		<ul style="list-style-type: none"> Dynamic, breath-by-breath adjustment of pressure support Peak flow targeted Intra-breath support Auto-titrating EPAP to alleviate the obstructive component of SDB Automatically calculated back-up rate in times of apnea 		<ul style="list-style-type: none"> Average volume assured pressure support (AVAPS) Maintains target Vt Automatically adapts to disease progressions and changing patient needs Modes: CPAP, S, S/T, T, PC Three patient-adjustable Bi-Flex settings 	
Settings	Fixed CPAP	4-20 cm	Min CPAP	4-20 cm	EPAP	4-25 cm	EPAP	4-IPAP	EPAPmin	4-25 cm	EPAP	4-30 cm
			Max CPAP	4-20 cm	IPAP	4-25 cm	IPAP	4-25 cm	EPAPmax	4-25 cm	IPAP	4-30 cm
	Ramp time	0-45 min	Ramp time	0-45 min	Ramp time	0-45 min	Ramp time	0-45 min	PSmin	0-26 cm	I-Time	0.5-3.0 sec, off
	Flex settings	1, 2, 3	Flex settings	1, 2, 3	Flex settings	1, 2, 3	Flex settings	1, 2, 3	PSmax	0-26 cm	Breath rate	1-30 BPM, off
	Adaptive Humidity	0-5	Adaptive Humidity	0-5	Adaptive Humidity	0-5	Adaptive Humidity	0-5	Max pressure	4-30 cm	Rise time	1-3
	Classic Humidity	0-5	Classic Humidity	0-5	Classic Humidity	0-5	Classic Humidity	0-5	Breath rate (Off, Auto, 4-30 BPM)		Flex settings	1,2,3
	Heated Tube	0-5	Heated Tube	0-5	Heated Tube	0-5	Heated Tube	0-5	Rise time	0-3	Target Vt ³	200-1500 ml
	Humidity level	1,2,3 ⁴	Humidity level	1,2,3	Humidity level	1,2,3	Humidity level	1,2,3	Ramp time	0-45 min	IPAPmin ³	EPAP-IPAPmax
									Flex settings	1,2,3	IPAPmax ³	4-30 cm
									Adaptive Humidity	0-5	Adaptive Humidity	0-5
									Classic Humidity	0-5	Classic Humidity	C1-C5
									Heated Tube	0-5	Heated Tube	1-5
									Humidity level	1,2,3	Humidity level	1,2,3

¹ S - Standalone device (no humidifier)
H - Device with humidifier
T - Device with heated-tube humidifier

² CPAP Pro and Auto CPAP only (with Auto-Trial and CPAP-Check)

³ AVAPS

⁴ C = Cell modem
W = Wi-Fi modem

All DreamStation devices are SD card, Bluetooth, Wi-Fi, and Cell modem capable.

