

RESPIRONICS®



**TAKING THE COMPLEXITY OUT OF
COMPLICATED SLEEP-DISORDERED BREATHING.**

BiPAP® autoSV™
with Encore® Pro SmartCard®

A SIMPLE SOLUTION FOR A COMPLEX PROBLEM

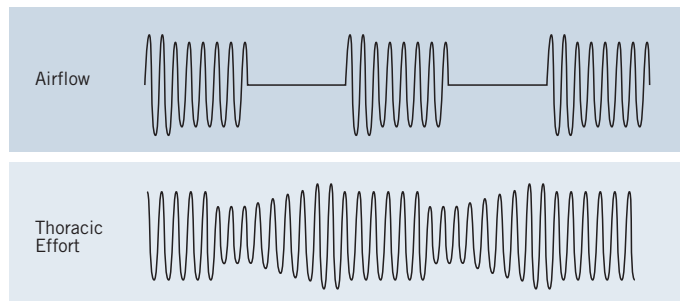
The BiPAP autoSV sleep therapy system is specifically designed to be the best choice for managing complicated sleep-disordered breathing patients. It combines a number of technologies to recognize and react to changing pressure needs, and it's clinically proven to treat obstructive, central and complex apnea and hypopneas, along with periodic breathing.



SLEEP-DISORDERED BREATHING

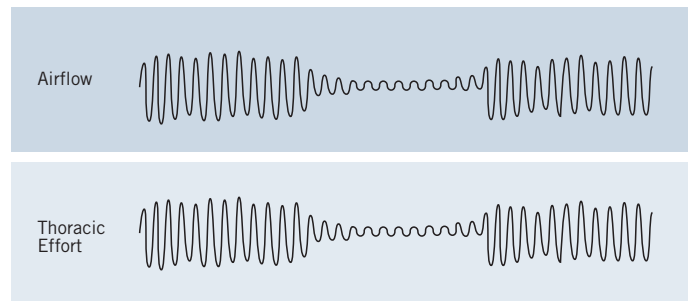
OBSTRUCTIVE SLEEP APNEA (OSA)

OSA is the absence of airflow due to an occlusion in the upper airway that lasts at least 10 seconds in spite of continual effort to breathe. Severity is measured by the Apnea/Hypopnea Index (AHI) – the number of episodes per hour of sleep.



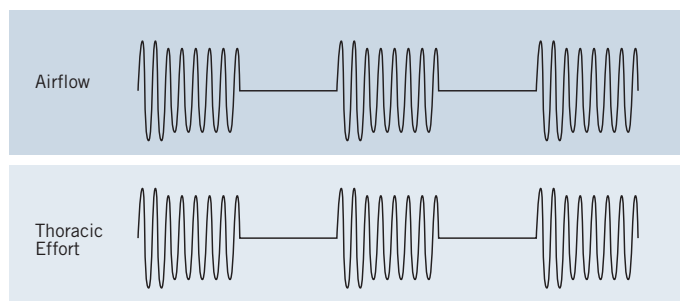
COMPLEX SLEEP APNEA

Complex sleep apnea is a condition that occurs when a patient is identified as having OSA, but with the application of Continuous Positive Airway Pressure (CPAP) to eliminate the OSA, the patient develops Central Sleep Apnea. The cause of complex sleep apnea is not known at this time.



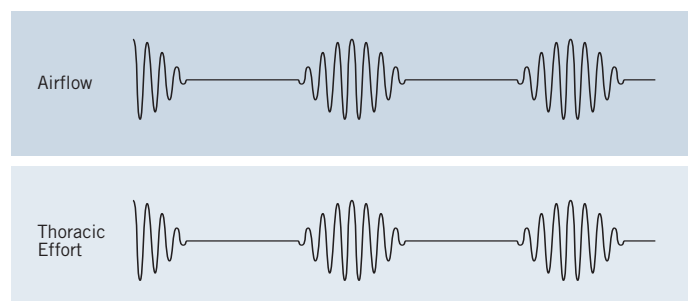
CENTRAL SLEEP APNEA

Central Sleep Apnea is a pattern of breathing characterized by deep inspiratory cycle interchanged with complete cessation of breathing. It is typically caused by problems with how the brain controls breathing rather than an occlusion of the airway.

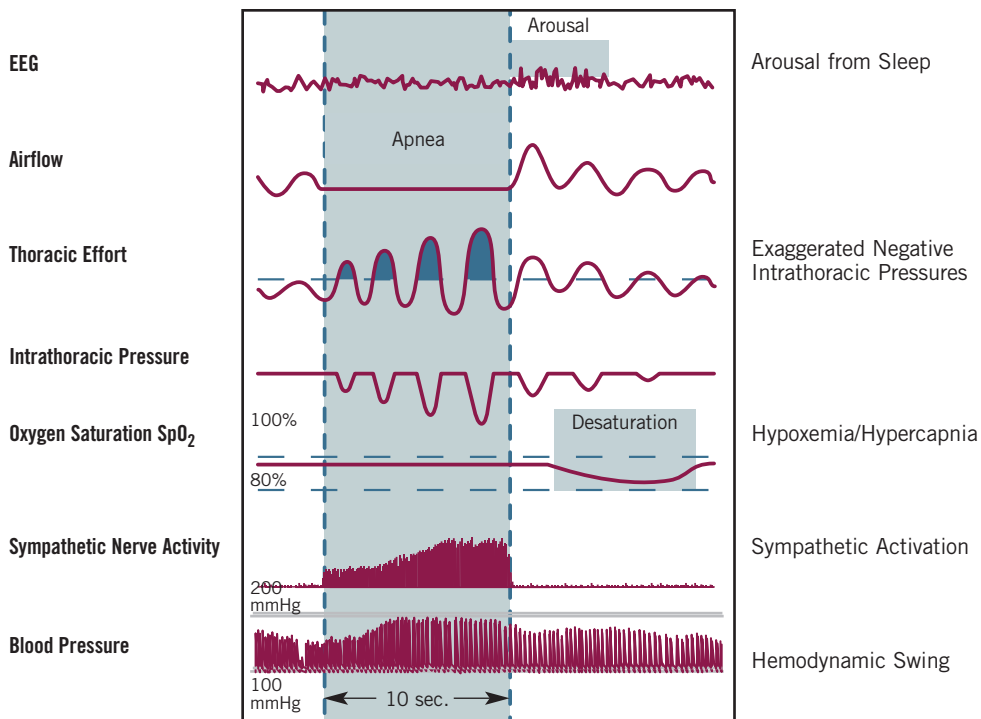


PERIODIC BREATHING

Periodic breathing is defined as alternating periods of hyperventilation with waxing/waning tidal volume and periods of central hypopneas or apneas. There are many forms of periodic breathing, one of which is Cheyne-Stokes Respiration (CSR). CSR is characterized by a cyclic pattern of waxing and waning during periods of apnea, and deep, rapid breathing.

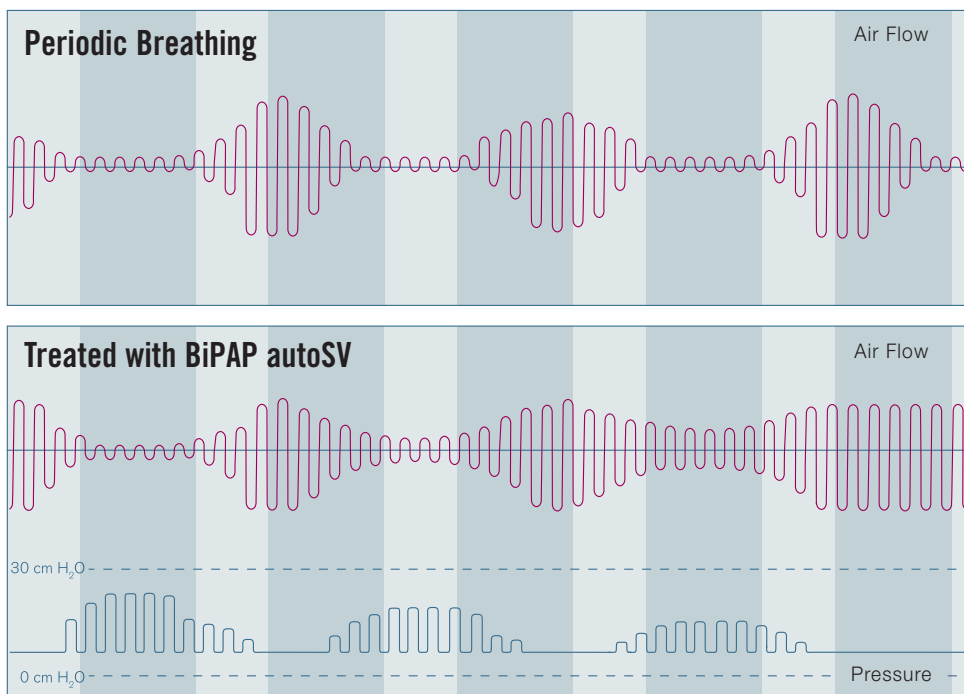


CONSEQUENCES OF UNTREATED SLEEP-DISORDERED BREATHING



BiPAP autoSV FUNCTION ALGORITHM

The BiPAP autoSV sleep therapy system reacts to periodic breathing events by increasing inspiratory pressure during periods of apnea or hypopnea.



HOW THE BiPAP autoSV WORKS

The BiPAP autoSV sleep therapy system delivers optimal therapy for complicated sleep-disordered breathing patients utilizing a multilevel algorithm. On a breath-by-breath basis, the revolutionary algorithm uses Digital Auto-Trak™ Sensitivity to change pressure support, when necessary, to maintain a stable breathing pattern. In addition to this breath-by-breath adjustment of pressure support, the BiPAP autoSV algorithm also calculates the patient's spontaneous breathing rate and will automatically trigger a breath should the patient have an apneic event. This algorithm rapidly helps normalize respiration and return the pressure to the minimum required therapy pressure once ventilation has been normalized.

In addition to the revolutionary algorithm, the BiPAP autoSV sleep therapy system also offers other proven Respicronics technologies such as optional integrated heated humidification and built-in digital data storage using Respicronics Encore SmartCard and Encore Pro Data Management Software.

PRODUCT SPECIFICATIONS

PRESSURE RANGE	IPAP max: 4 cm H ₂ O to 30 cm H ₂ O IPAP min: 4 cm H ₂ O to 30 cm H ₂ O EPAP: 4 cm H ₂ O to 25 cm H ₂ O
BREATH RATE	AUTO, 4–30 BPM, Off
DIMENSIONS	9.75" (l) X 6.63" (w) X 4.40" (h) 24.8 cm (l) X 16.8 cm (w) X 11.2 cm (h)
WEIGHT	< 4 lbs. (1.8 kg)
FILTERS	Reusable pollen and optional ultra-fine
DEVICE SET-UP	On-board keypad and SmartCard
DATA STORAGE CAPACITY	6 months @ 3 usage sessions/day; 7 days in-depth data analysis
DATA STORAGE CONTENT	Date, time, duration at pressure, short-term detailed events, long-term trends
ALTITUDE COMPENSATION	Automatic
ELECTRICAL REQUIREMENTS	100–240 VAC 12 VDC (when operated with the external DC power adapter accessory)
DC POWER	Direct-connect cord
WARRANTY	2 years
MISCELLANEOUS	Integrated heated humidification, lighted keys on pad, automatic on/off, mask off alert

ORDERING INFORMATION

BiPAP autoSV SYSTEMS	PART NO.
BiPAP autoSV with SMARTCARD (device only)	1038917
BiPAP autoSV with SMARTCARD (core package; includes device and heated humidifier)	1040716
ACCESSORIES	
POLLEN FILTERS (reusable; 2 per pack)	1005964
ULTRA-FINE FILTERS (disposable; 2 per pack)	1005945
FILTER CAP	1008479
CARRYING CASE	1005965
REUSABLE PATIENT TUBING (6 ft. [1.8 m], gray)	622038
DC POWER ADAPTER	1012975
SLEEPLINK™ INTERFACE CARD	1007492
SLEEPLINK CABLE ADAPTER	1006102
SOFTWARE AND SMARTCARD	
ENCORE PRO SOFTWARE	1009583
ENCORE USB SMARTCARD READER/WRITER	1014352
PACK OF SMARTCARDS (10 cards)	1003304
PC DIRECT	1022090
HUMIDIFIERS	
HEATED HUMIDIFIER	1005792
HEATED HUMIDIFIER CHAMBER (replacement)	1035162

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CAUTION: U.S. federal law restricts this device to sale by or on the order of a physician.

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