



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

### The new BiPAP® autoSV™ sleep therapy system

- Specifically designed to treat obstructive, central and complex hypopneas and apneas, and periodic breathing, such as Cheyne-Stokes Respiration.
- More flexibility allows you to bring relief to patients with complicated breathing disorders who have struggled with therapy that didn't meet their needs.
  - Wider pressure settings
  - Adjustable back-up rates
  - More mask options
- Gives you more control of therapy options to provide optimal treatment.
- Combines our revolutionary algorithm and Digital Auto-Trak™ Sensitivity to track each breath and deliver effective and intuitive treatment.

The right choice of therapy systems can remove some of the complexity from your life, and the lives of your patients.

**BiPAP® autoSV™**  
with Encore® Pro SmartCard®  
Data Management System

# RESPIRONICS BiPAP® autoSV™: SIMPLY BETTER

The BiPAP® autoSV™ sleep therapy system takes the complexity out of complicated sleep-disordered breathing by utilizing a multilevel algorithm to recognize and react to patients' changing pressure needs on a breath-by-breath basis. Wider pressure settings and additional back-up rate options allow for greater flexibility in treating the most complicated sleep-disordered breathing patients.

	Respironics BiPAP® autoSV™	ResMed VPAP Adapt SV™
<b>Indications for Use</b>	To provide non-invasive ventilatory support to treat adult patients with OSA and Respiratory Insufficiency caused by central and/or mixed apneas and periodic breathing	To provide non-invasive ventilatory support to treat adult patients with OSA and Respiratory Insufficiency caused by central and/or mixed apneas and periodic breathing
<b>Clinical Studies</b>	Available from Respironics upon request	Available from ResMed upon request
<b>Algorithm</b>	Peak Flow Based <ul style="list-style-type: none"> <li>• 4-minute moving average</li> <li>• Statistical processing on peak flow data to determine target level</li> <li>• Target peak flow adapts to SDB event changes</li> <li>• Clinically proven and patented Digital Auto-Trak™ technology</li> </ul>	Minute Ventilation Based <ul style="list-style-type: none"> <li>• 3-minute moving average</li> <li>• 90% of the minute ventilation to determine patient's tidal volume</li> <li>• Always 90% of MV. No change in response to SDB events</li> <li>• Patented technology</li> </ul>
<b>Pressure Settings</b>	Max Pressure 30 cm H <sub>2</sub> O EPAP Limit 25 cm H <sub>2</sub> O IPAP Limit 30 cm H <sub>2</sub> O	Max Pressure 20 cm H <sub>2</sub> O EPAP Limit 10 cm H <sub>2</sub> O* IPAP Limit 20 cm H <sub>2</sub> O <small>* in SV mode</small>
<b>CPAP + SV Mode</b> Dynamic Pressure Support	YES: EPAP = IPAP Min	NO: PS Min = 3–6 cm H <sub>2</sub> O
<b>Back-Up Rate Options</b>	Back-up Rate, Selectable <ul style="list-style-type: none"> <li>• Off, Auto or Fixed (4–30 BPM)</li> </ul>	Back-up Rate, Not Selectable <ul style="list-style-type: none"> <li>• Auto only (~15 BPM)</li> </ul>
<b>Other</b>		
Footprint	9.75" (L) x 6.63" (W) x 4.40" (H)	11.5" (D) x 9.8" (W) x 5.6" (H)
Tubing	Standard	Non-standard: pressure line required
Humidification	Optional (integrated)	Optional (integrated)
System Calibration	None	YES. Learn circuit, based on mask type
Mask Recommendation	No restrictions Various mask types and brand options	ResMed full face masks ResMed masks only
Patient Alarms	Patient disconnect, low minute ventilation, apnea	Patient disconnect, high leak
Rise Time	100 to 600 msec	Not selectable
Patient Compliance	Encore® Pro SmartCard® included. Provides compliance data with apnea/hypopnea (AHI), and periodic breathing events.	Additional ResLink™ purchase required.



Customer Service: 800-345-6443 or 724-387-4000  
 Respironics Europe, Africa, Middle East: +33-1-47-52-30-00  
 Respironics Asia Pacific: +852-3194-2280  
[www.respironics.com](http://www.respironics.com)

Hoech KW 8/17/07 MCI 4101298 PN 1048396