# KARE MEDICAL

SLEEPONE PROSV

Cheyne-Stokes Respiration, Central Apnea, Obstructive Apnea
## All-in-One Solution

Servo Ventilation + Auto Cpap + Respiratory Backup = SleepOne ProSV™

- *Auto Pressure Support*
- *Auto EPAP*
- *Auto Backup Rate*
- *Can also work as CPAP Mode Servo Ventilation (Min Pressure Support = 0)*

Obstructive Apnea — CPAP THERAPY

Central Apnea — BILEVEL ST THERAPY

ProSV™ — SERVO VENTILATION
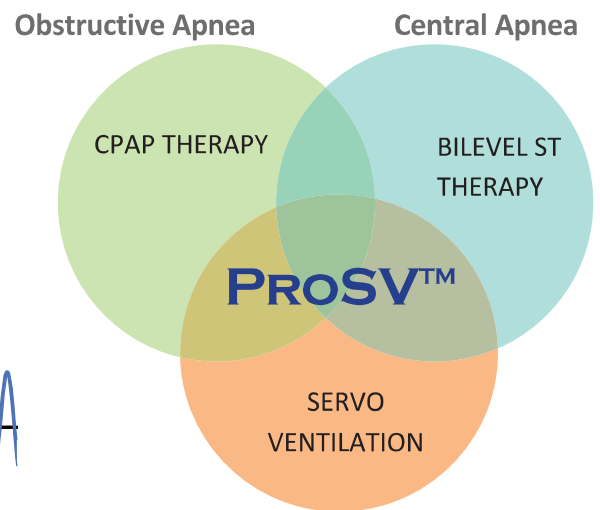
Cheyne-Stokes Respiration

A Complex Device for increased Patient Complexity !

Patient Flow · IPAP · EPAP · PRESSURE
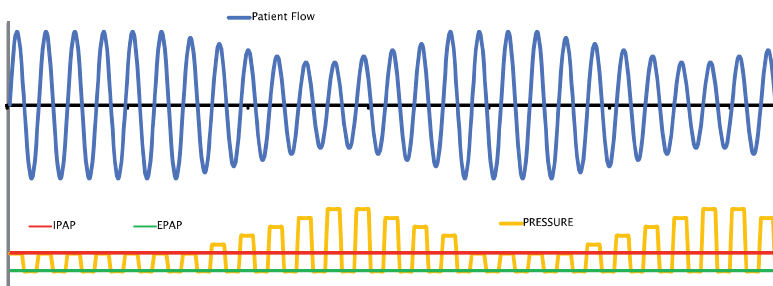
ProSV gives instant reaction to changes in patient effort.

Technical Specifications

Pressure Range	4-35 CmH$_2$O
Working Mode	ProSV Active Servo Ventilation, CPAP
Ventilation Type	Leakage Ventilation
Voltage	100 – 240 V AC
Humidifier	SleepOne Heated Humidifier
Data management	SD Card stores up to 365 nights of detailed therapy data.

Event / Action

Event	Action
Obstructive Apnea	EPAP Change
Hypopnea	EPAP Change
Vibratory Snore	EPAP Change
Patient Flow Decrease	Pressure Support Change
Complex Apnea	Airway blockage test
RERA	EPAP Change
High Leak	Marked for Reporting
Periodic Breathing	Marked for Reporting
Low Respiratory Rate	Backup Breath

CE 1984
EN ISO 9001:2008
EN ISO 13485:2003

SLEEP ONE ProSV

Active Patient Control on Breath-by-breath basis

SleepOne ProSV™ is an active and also proactive device which responds to patients breath by breath changes. Patient who suffers from Cheyne-Stokes Ventilation, Central Apnea, Obstructive Apnea or Complex Apneas can benefit from the active/proactive algorithm of ProSV™. Device monitors several parameters from the patients and adjust pressure and breath rate according to the change. Patients who don't get enough from standard Bilevel therapy, or Auto-Bilevel algorithms can find the ProSV™ is a problem solver for complex patients.

Patient Focused Flexible Algorithm

ProSV™ targets to keep the patient flow to the %90 of the 3 minute moving average. During a normal breathing cycle, in which patient's respiratory effort is minimum, device keeps the pressure level to a minimum also. If there is no respiratory effort, patient is forced with the backup rate. According to the measured patient flow, ProSV™ categorizes the events. During complex apneas, device does not respond. Obstructive apneas are responded with a pressure increase after multiple events. Hypopneas are also responder events with pressure increase after multiple events. Snores are also responder events. Pressure increase is monitored and the amount is interactively chosen by the algorithm. ProSV™ decreases the pressures during no-event times. Patient is always treated with necessary pressure. High Leak Flows, Periodic breathing (Cheyne-Stokes Ventilation) and all other events are recorded for reporting.