

## Explanation of abbreviations ( may not be applicable to all models)

### **What does VGPS stands for:**

Volume Guarantee Pressure Support: it is a mode that allows to guarantee a certain tidal Volume, even with minimum Pressure

### **What does CPAP stand for?**

CPAP is the acronym for Continuous Positive Airway Pressure. CPAP therapy provides a constant flow of air at a set pressure into the airway to ensure that the airway stays open through the night. A CPAP machine is used by those who have sleep apnea. Sleep apnea is a condition where one would stop breathing for short periods of time while sleeping, to give them extra air to maintain normal breathing.

### **What is APAP, BiPAP, BiLevel, VPAP S, T and S/T?**

"Automatic positive airway pressure" (APAP, AutoPAP, AutoCPAP, BPAP are parallel terms) automatically titrates, or tunes, the amount of pressure delivered to the patient to the minimum required to maintain an unobstructed airway on a breath-by-breath basis by measuring the resistance in the patient's breathing, thereby giving the patient the precise pressure required at a given moment and avoiding the compromise of fixed pressure. Bi-level pressure devices

"VPAP" or "BiPAP" (BiPAP is a trademark of Respiration BiLevel device.) (variable/bilevel positive airway pressure) two levels of pressure are prescribed: inspiratory positive airway pressure (IPAP) and a lower expiratory positive airway pressure (EPAP) for easier exhalation.

### **MODES**

S (Spontaneous): In spontaneous mode the device triggers IPAP when flow sensors detect spontaneous inspiratory effort and then cycles back to EPAP.

T (Timed): In timed mode the IPAP/EPAP cycling is purely machine-triggered, at a set rate, typically expressed in breaths per minute (BPM).

S/T (Spontaneous/Timed): Like spontaneous mode, the device triggers to IPAP on patient inspiratory effort. But in spontaneous/timed mode a "backup" rate is also set to ensure that patients still receive a minimum number of breaths per minute if they fail to breathe spontaneously.