

## VPAP™ ST

Quiet comfort. More compliance.

The VPAP™ ST is a fully-integrated bilevel device that delivers comfortable and effective therapy with exceptional patient-ventilator synchrony to patients requiring a backup rate. It also features optional integrated oximetry and a Sleep Quality Indicator, which allows patients to view their therapy progress on a daily basis.

Together with ResMed's Enhanced Easy-Breathe technology and superior Climate Control humidification system, the VPAP ST delivers quiet comfort in the award-winning S9™ platform.

### Proven technology, effective treatment

The VPAP ST provides Spontaneous/ Timed (S/T) therapy which allows the patient to breathe at their normal respiratory rate. If the patient experiences an apnea or falls below the set rate, the device supports the patient's ventilation with a set backup rate.

Additionally, ResMed's exclusive TiControl™ (Ti Max/Min) feature accommodates individual respiratory conditions, while the enhanced Vsync™ technology compensates for mask leak and provides superior patient-ventilator synchrony.

### Quiet comfort for improved compliance

The VPAP ST is equipped with several additional features to maximize therapeutic efficacy and promote long-term compliance:

- Simple menu settings and color LCD display are intuitive for both patients and clinicians
- Seamless integration with optional H5i™ heated humidifier with Climate Control



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- Adjustable breath trigger/cycle
- Adjustable rise time

### Maximum comfort with Climate Control

ResMed's H5i heated humidifier offers advanced humidification with Climate Control, which automatically maintains temperature and humidity levels as conditions change throughout the night (and from season to season). ClimateLine<sup>MAX</sup> tubing supports higher bilevel pressures and delivers a constant, comfortable temperature at the mask to reduce rainout.

### New motor technology—now quieter than ever

The VPAP ST features sophisticated motor technology with the Enhanced Easy-Breathe motor. Because axial airflow is distributed evenly throughout the motor, conducted noise transferred through the mask to the patient is significantly reduced compared to previous devices, making it easier to integrate into the patient's (and bed partner's) lifestyle.

### A system that delivers more—four and more

Now part of the S9 Series, ResMed's VPAP bilevels bring you four innovations to ensure your patients sleep comfortably through the night and feel the benefits of healthy sleep. Featuring the quietest motor on the market, superior humidification with Climate Control, comfortable Easy-Breathe waveform and a stylish, user-friendly design, ResMed's VPAP system delivers more to your patients than any other bilevel device.

## Data management

The VPAP ST offers a range of data management options to help you monitor patient progress:

- 30 sessions of detailed data (eg, flattening index, snore, minute ventilation and oximetry) on SD card
- Seven sessions of high resolution data (flow and pressure) on SD card
- 365 sessions of compliance and summary data (eg, summary, efficacy and usage data, including central apnea statistics) on Sleep Report, device and SD card

Compliance and summary data are easily transferred from the S9 wireless module for daily remote monitoring and from the SD card on the VPAP ST.



The intuitive treatment screen displays the patient's inspiratory and expiratory pressures in an easy-to-read bar graph, in addition to other patient data such as minute volume, tidal volume, inspiratory time, I:E ratio, leak and respiratory rate at every breath.

## TECHNICAL SPECIFICATIONS

### Operating pressure range

ST, T and S modes: IPAP 4 to 25 cm H<sub>2</sub>O, EPAP 3 to 25 cm H<sub>2</sub>O

CPAP mode: 4 to 20 cm H<sub>2</sub>O

### Sound pressure level (CPAP mode)

24 dBA with uncertainty of 2 dBA as measured according to ISO 17510-1:2002

### Dimensions (L x W x H)

6.0 x 5.5 x 3.4" (153 x 140 x 86 mm)

### Weight

1.84 lb (835 g)

### 90W power supply unit

Input range 100-240V, 50-60Hz, 70W (80VA) (typical power consumption), >100VA (maximum power consumption)

### Operating

Temperature 41°F to 95°F (+5°C to +35°C)

Humidity 10-95%, non-condensing

Altitude sea level to 8,500' (2,591 m)

### Storage and transport

Temperature -4°F to 140°F (-20°C to +60°C)

Humidity 10-95% non-condensing

### Housing construction

Flame retardant engineering thermoplastic

### Supplemental oxygen

Recommended maximum supplemental oxygen flow: 15 L/min

### Standard air filter

Polyester fiber

### Air outlet

The 22 mm conical air outlet complies with ISO 5356-1

### Electromagnetic compatibility

Product complies with all applicable EMC requirements according to IEC60601-1-2, for residential, commercial and light industry environments.

### Aircraft use

ResMed confirms that this device meets the Federal Aviation Administration (FAA) requirements (RTCA/DO-160F, section 21, category M) for all phases of air travel.

### IEC 60601-1 classification

Class II (double insulation), Type BF

## PRODUCT CODES

S9 VPAP ST	<b>36008</b>
S9 VPAP ST + H5i	<b>36018</b>
S9 VPAP ST + H5i + ClimateLine	<b>36028</b>
ClimateLine	<b>36995</b>
ClimateLine <sup>MAX</sup>	<b>36997</b>
S9 Wireless Module	<b>36930</b>
S9 Oximetry Complete Kit	<b>369100</b>



Combine the S9 VPAP with ResMed's premium masks for a system that delivers more comfort and compliance.