



## VPAP™ ST

The next level in bilevel

VPAP™ ST is a compact, fully-integrated bilevel device for patients requiring a backup rate, and is designed to deliver exceptional customized patient-ventilator synchronization. It combines high-performance noninvasive ventilation with the quiet comfort of the Easy-Breathe motor. VPAP ST provides a superior solution for treating patients who require bilevel therapy with a backup rate.

### Big performance in a small package

The system is compact and convenient, and outperforms bulky products offered by competitors. VPAP ST is ideal for travel or home use.

### Quiet comfort with Easy-Breathe technology

Featuring Easy-Breathe, ResMed's new comfort technology, VPAP ST offers nearly silent therapy and greater pressure stability so patients sleep comfortably throughout the night. VPAP ST uses Easy-Breathe pressure delivery and synchronizes with the patient's normal respiration so that breathing feels more natural and comfortable.

### Proven technology, effective treatment

VPAP ST provides Spontaneous/Timed (S/T) therapy that 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 timed breath.

ResMed's exclusive TiControl™ allows the clinician to customize therapy for acute conditions. Vsync™ technology compensates for mask leakage and provides consistent flow performance. VPAP ST features exceptional trigger and cycle sensitivity for customization at the beginning and end of each breath.

VPAP ST is extremely versatile and is compatible with the S8 ResLink™, H4i™, ResScan™ and S8 ResTraxx™.



**Easy-Breathe**  
The choice is easy.

## VPAP ST FEATURES SUMMARY

### Modes of operation

- VAuto
- S (Spontaneous)
- CPAP (with EPR™)
- S/T (Spontaneous/Timed) mode
- T (Timed) mode

### Product features

- Simplified standard setting menu
- Vsync automatic leak management
- TiControl (Ti max/min)
- Adjustable breath trigger/cycle
- Adjustable exhalation comfort
- 24V DC input (via converter)
- Auto-adjusting bilevel pressures
- Compact S8™ design
- AutoSet™ technology
- Easy-Breathe pressure delivery

### Heated humidification

- Optional, fully integrated

### Data storage

- Usage and treatment summary (day, week, month, six-month, year)
- Usage profile
- Summary data storage
- Detailed data storage
- Remote settings adjustment data transfer

### Data transfer

- Direct download to PC
- ResLink via SmartMedia card
- ResScan Data Card
- Live oximetry with ResLink

## TECHNICAL SPECIFICATIONS

### Performance

Operating pressure range: 3 to 25 cm H<sub>2</sub>O  
Maximum single fault pressure: 30 cm H<sub>2</sub>O

### Dynamic pressure characteristics

**VAuto mode:** 4 to 25 cm H<sub>2</sub>O

(Pressure support: 0 to 10 cm H<sub>2</sub>O)

**S, ST and T 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

< 26 dB (tested in accordance with the requirements of ISO 17510-1:2002)

### Data storage

Data includes usage, leak, pressure, AHI, AI, tidal volume, respiratory rate and minute ventilation

**Via LCD menu:** 365 sessions of summary data

**Via ResLink:** 365 sessions of summary data,  
30 sessions of detailed data

**Via ResScan Data Card:** 180 sessions of  
summary data, two sessions of detailed data

**Dimensions (L x W x H):** 4.4" x 6.5" x 5.7"  
(112 mm x 164 mm x 145 mm)

**Weight:** 2.9 lb (1.3 kg)

### Power supply

Input range 100–240VAC, 50–60Hz, 40VA  
(typical power consumption), < 100VA  
(maximum power consumption), 12–24 DVC  
via ResMed DC 24V/50W converter

### Environmental conditions

Operating temperature: 41°F to 97°F  
(+5°C to +35°C)

Operating humidity: 10–95% non-condensing

### Electromagnetic compatibility

Product complies with all applicable  
electromagnetic compatibility requirements  
(EMC) for residential, commercial and  
light industry environments according to  
IEC 60601-1-2.

### Air filter

Two-layered, powder-bonded, polyester  
non-woven fiber

### IEC 60601-1 classification

Class II (double insulated), Type CF

Note: The manufacturer reserves the right to  
change these specifications without notice.

## PRODUCT CODES

VPAP ST	<b>26110</b>
H4i with standard water chamber	<b>26940</b>
VPAP ST + H4i	<b>26122</b>
S8 ResLink	<b>22206</b>
Oximeter Kit	<b>1430050</b>
S8 ResTraxx US	<b>22204</b>
S8 ResTraxx Canada	<b>22221</b>

