RESMED

VPAP S and VPAP ST therapy system and accessories—ordering information

The following accessories may be purchased separately:

VPAP S 36304 **VPAP ST** 36368	
H5i Heated Humidifier 36905 (APAC) ClimateControl^MAX Kit 36875 (ANZ)	
SlimLine™ tube 36810 **Standard tube** 21948	
ClimateLine™ tube 36995 ClimateLine^MAX tube 36997	
Oximeter adapter 36940	
Oximetry pack includes XPOD oximeter (22305), clip for XPOD (22306) and medium soft sensor 3 m cable (707560)	
DC/DC Converter 24V/90W 36970	
ResMed Power Station II 24921 (Battery and bag) 24961 (DC cable) 36824 (Power supply 90W)	
SD card reader 36931	

TECHNICAL SPECIFICATIONS—MODES AND BACKUP RATES

VPAP S: CPAP (Continuous Positive Airway Pressure), S (Spontaneous)
Backup respiratory rate: 10 bpm fixed

VPAP ST: CPAP, S, T (Timed), ST (Spontaneous–Timed)
Backup respiratory rate: 5–50 bpm adjustable

TECHNICAL SPECIFICATIONS—COMMON TO VPAP S AND VPAP ST

Pressure range
IPAP: 4–25 cm H_2O
EPAP: 2–25 cm H_2O

TiControl
Ti Max 0.1–4 sec
Ti Min 0.1–Ti Max

Rise Time
Min, 150–900 msec (approx.)

Dimensions (L x W x H)
153 x 140 x 86 mm

Weight
0.83 kg

Trigger
Five settings

Cycle
Five settings

Air filter
Electrostatic fibre mesh

Air outlet
22 mm taper, compatible with ISO 5356–1:2004

IEC 60601–1 Classification
Class II (double insulation)
Type BF
Continuous operation

Power supply
90W power supply unit
AC 100–240V 50–60Hz, 2.2A
AC 110V 400Hz, 2.2A
90W DC/DC converter 12V, 24V

RESMED POWER STATION II TECHNICAL SPECIFICATIONS

Battery technology
Lithium-ion

Recharge time
4 hours from fully empty to fully charged

Battery duration
Up to 9 hours per battery in S and ST modes at EPAP 5 cm H_2O, IPAP 15 cm H_2O and 20 bpm (two batteries can be connected simultaneously)

Capacity
<100 Wh

Dimensions (L x W x H)
230 x 126 x 26 mm

Battery weight
0.9 kg

Power supply
Input range 100–240 V, 50–60 Hz, 1.0-1.5 A
Nominal for aircraft use 110 V, 400 Hz

Combine any VPAP device with a premium ResMed mask ...
for a complete therapy system that delivers more comfort and compliance.

Mirage™ FX*   **Quattro™ FX**   **Swift™ FX**

* Product availability may vary across regions. Please consult your accredited outlet for details.

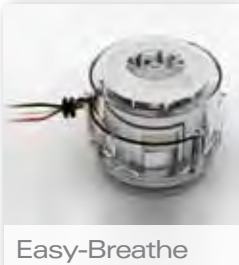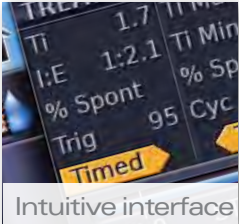**For more information on the VPAP range please visit www.vpap.com**

VPAP S and VPAP ST features

Vsync   TiControl   5 TRIGGER   MaskFit   SD Card   Ext

RESMED

VPAP™ S and VPAP™ ST
ADULT AND PAEDIATRIC VENTILATORS

Comfortable, effective and more user-friendly than ever

Adult

Paediatric

Intuitive interface

Climate Control

SpO_2
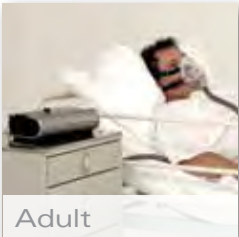
Easy-Breathe

ResMed Ventilation Solutions
Making quality of care easy

Comfortable, effective and more user-friendly than ever

VPAP S is ResMed's entry level noninvasive ventilation (NIV) device designed to treat non-dependent, spontaneously breathing patients with respiratory insufficiency, in the home.

VPAP ST is ResMed's mid-level noninvasive ventilator designed to treat non-dependent patients with respiratory insufficiency, requiring the security of a backup rate (up to 50 bpm), in the hospital or the home.

Suitable for adult and paediatric patients (over 13 kg), VPAP S and VPAP ST come packed with a range of trusted features and technologies—enhanced on ResMed's new design and technology device platform to improve patient comfort and therapy outcomes.
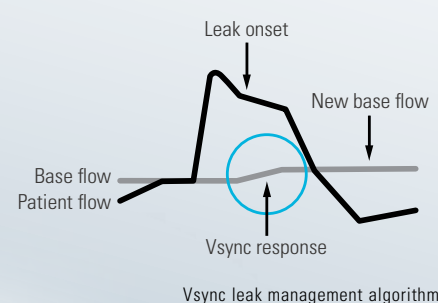
ResMed NIV technologies
A key requirement for success in NIV is to improve patient comfort, compliance and treatment efficacy through excellent patient–ventilator synchrony. VPAP devices feature three unique ResMed technologies that work together to achieve this synchrony.
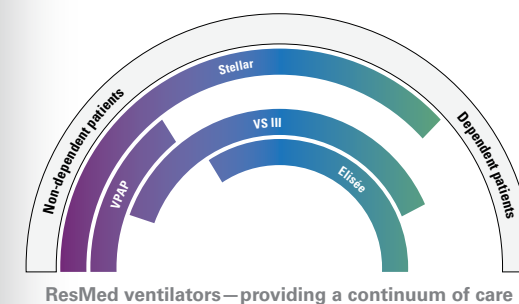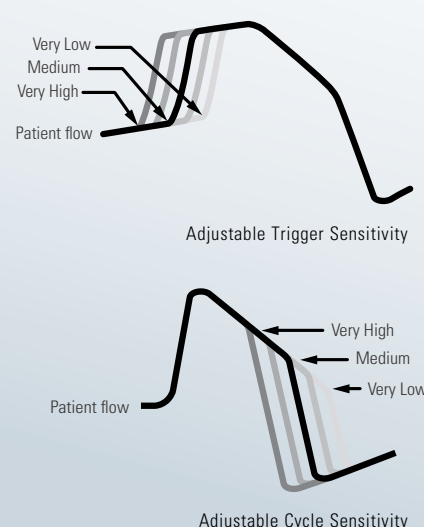
TiControl

Designed for 'out-of-box' performance, default Ti Min and Ti Max settings will suit most patients. However, because each patient is different, clinicians can adjust TiControl to manage respiratory conditions case-by-case.

Ti Max
Ti Min
Cycle Window
Patient flow
Pressure

The TiControl feature
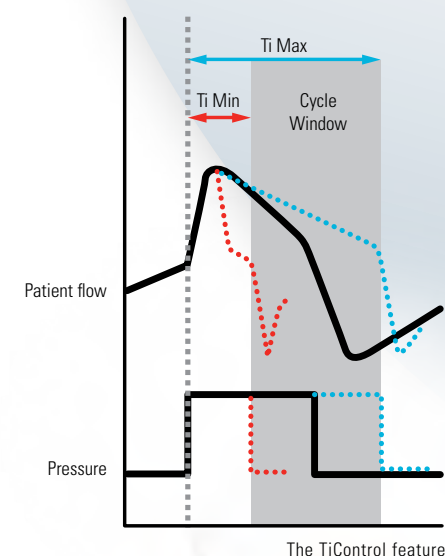
Vsync

Vsync accurately calculates and automatically compensates for unintentional leak to maintain patient–device synchrony and continually deliver the patient's prescribed therapy pressure.

Leak onset
New base flow
Base flow
Patient flow
Vsync response

Vsync leak management algorithm

Trigger and Cycle Sensitivities

The Trigger and Cycle Sensitivities feature allows further customisation—at the beginning and end of each breath, further improving patient–device synchronisation.

Very Low
Medium
Very High
Patient flow

Adjustable Trigger Sensitivity

Very High
Medium
Very Low
Patient flow

Adjustable Cycle Sensitivity

Backed by new platform benefits

Now on the latest design and technology platform, VPAP S and VPAP ST deliver the benefits of Easy-Breathe and Climate Control.

Easy-Breathe motor technology is designed to respond to patient needs quickly and quietly to deliver higher performance than conventional motors. Advanced technology helps create the most peaceful environment for patients, both at the device and through the mask.

Climate Control is ResMed's exclusive humidification and comfort feature. It provides and maintains optimal humidification at the patient's desired temperature, without rainout and regardless of ambient humidity changes throughout the night.
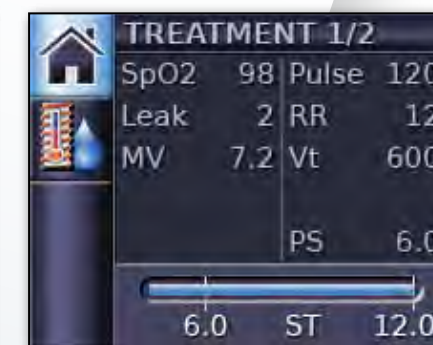
Climate Control is delivered through the seamless integration of the VPAP device, the H5i™ Heated Humidifier and the ClimateLine^MAX™ tube.
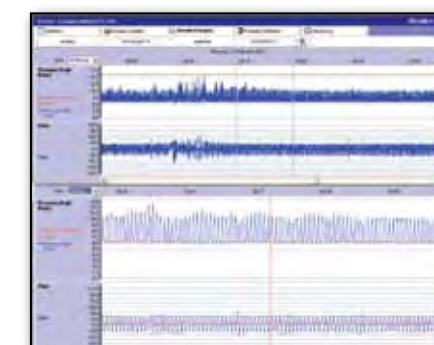
Easy setup and patient monitoring
From setup to therapy management and monitoring, getting started on the VPAP S and VPAP ST is easy and intuitive.
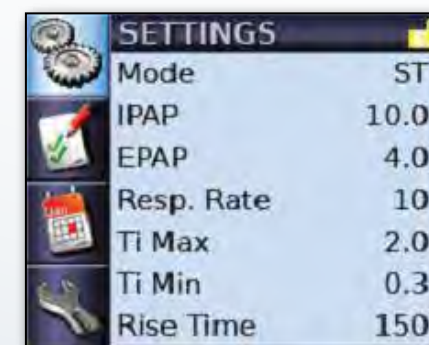
Clinical settings made easier with all the information on one screen

Live monitoring information at your fingertips

NEW! High-resolution pressure curves now alongside flow curves via ResScan™ software

Real-time monitoring and reminders on the LCD: The *Monitoring Menu* provides essential information—such as Respiratory Rate, Tidal Volume, Minute Ventilation, I:E Ratio—in a friendly format. Recurring reminders can also be set to support patients and clinicians.

Real-time remote monitoring on a PC: EasyCare Tx software connects to the VPAP device via the Tx Link, offering user-friendly remote control of the therapy device; information is displayed and settings can be changed in real time.

Downloadable data: High-resolution, breath-by-breath flow data for therapy monitoring, including efficacy data with high-resolution flow data and oximetry details, can be downloaded and easily monitored using the latest ResScan software application.

Portability with the ResMed Power Station II* (RPS II)

RPS II

- RPS II is an external all-in-one battery pack that conveniently provides power and backup power for ResMed ventilators and sleep therapy devices, without the need for a separate converter.

- Convenient during power outages and where mains power is not available, RPS II is ideal for travel.

* Product availability may vary across regions. Please consult your accredited outlet for details.