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S8™ Auto 25

WITH V-AUTO MODE AND EASY-BREATHE TECHNOLOGY

S8 Auto 25 is the premium auto-adjusting bilevel device from ResMed, with the unique VAuto mode for non compliant OSA patients typically requiring both higher pressures and natural breathing pressure relief profile. It also provides CPAP mode with EPR™ (expiratory pressure relief) with Easy-Breathe waveform plus all the benefits of Easy-Breathe technology.

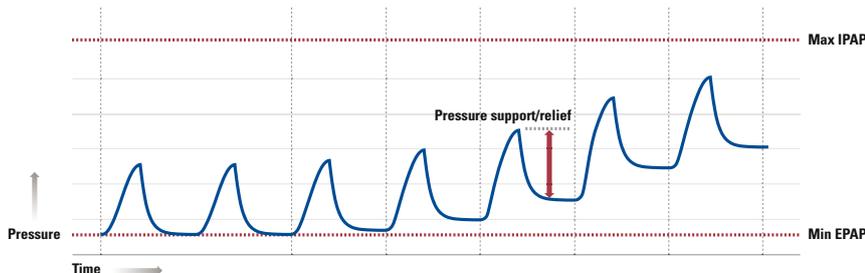**Two pressure levels with automatic response to events**

The VAuto mode combines two pressure levels to enhance comfort with the dynamic response of the AutoSet™ algorithm. Fixed pressure profile can be set from zero to 10 cm H_2O in VAuto mode. Once initial settings are in place, VAuto mode automatically adjusts therapy pressure up to 25 cm H_2O, as therapy requirements change

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Easy-Breathe technology—comfort at varying pressures

ResMed's S8 Auto 25 includes a patented pneumatic system available with all S8 Series II devices. Powered by a low-interia, dual-stage motor, that automatically delivers predictable pressure responses that reliably match the natural flow patterns of breathing, and importantly, reduces the patient's work of breathing. Like all S8 Series II devices, Easy-Breathe technology offers a more peaceful sleeping experience.

12V or 24V DC input via ResMed's DC-24 converter

Simple data transfer via the ResScan™ Data Card

Connecting S8 ResLink™ captures high-resolution flow data (at 25Hz) and optional oximetry data

QuickView menu for improved over-the-phone patient management

Easy to carry handle

Smart Data™ for patient therapy feedback

Recurring reminders set to specific dates and recurrence periods

SmartStart™/Stop

Mask fit feature

Optional integration with ResMed's H4i heated humidifier

Automatic leak and altitude adjustment

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VAUTO MODE

Chart showing pressure waveform over time with labels: Max IPAP, Pressure support/relief, Pressure, Time, Min EPAP

- VAuto mode is the first of its kind, merging up to 10 cm H_2O of pressure relief with ResMed's clinically proven AutoSet algorithm to respond to flow limitation, snore and apnea.

- In VAuto mode, therapy can be delivered at pressures up to 25 cm H_2O. Pressure relief can be set from zero to 10 cmH2O and remains fixed throughout the session

- Essential settings are Max IPAP, Min EPAP and pressure relief. Once set, the device responds to the patient's needs automatically breath by breath, night after night.

- TiMin, TiMax, trigger/cycle sensitivities and exhalation level settings can be fine-tuned as required

Detection and response—ResMed's AutoSet Advantage™

Some APAP algorithms detect events and apply a fixed response. ResMed's AutoSet Advantage, however, assesses the severity of an event—whether it is flow limitation, snoring or an apnea—then determines the best pressure solution and applies it as necessary.

Once the patient's breathing stabilises (after the required pressure increase), the device gradually decreases the pressure, while continuously monitoring for recurring events. This ensures the patient receives the perfect level of pressure required to treat their obstructive sleep apnea (OSA); nothing more, nothing less.

TECHNICAL SPECIFICATIONS

Modes
CPAP with EPR, VAuto

Pressure range (measured at the mask)
VAuto mode
4–25 cm H_2O (hPa);
Pressure relief 0–10 cm H_2O (hPa)
CPAP mode
4–20 cm H_2O (hPa)

Ti Control (VAuto mode)
Ti Max range 0.1–4.0 sec
Ti Min range 0.1–Ti Max sec

Trigger and Cycle sensitivities (VAuto mode)
5 levels

Exhalation (VAuto)
Slow/Medium/Fast

EPR (CPAP mode)
Off/Ramp only/Full time

EPR level (CPAP mode)
Off/1/2/3

Data display on LCD

Treatment screen
Mode and pressure, leak, respiratory rate, Vt, trigger and cycle indicators, SpO_2 and heart rate when ResLink and oximeter are connected

Results screen
Usage and efficacy data (leak, Vt, respiratory rate, minute ventilation, spontaneous trigger and cycle %, AHI, pressure)

ResScan download data
via cable
365 summary and 5 detailed sessions
via ResLink
365 summary and 30 detailed sessions
via ResScan data card
180 summary and 2 detailed sessions

Radiated noise according to ISO 17510 (2002)
26+/-2db(A)

Power supply input range
100–240 VAC, 50–60 Hz, 110V AC 400 Hz
12–24 VDC via ResMed DC 24V/50W converter

Size (L x W x H) 112 mm x 164 mm x 145 mm

Weight 1.3 kg

IEC60601-1 classification
Class II (double insulation), Type CF, Continuous operation

Note: This device is not suitable for use in the presence of a flammable anesthetic mixture with air, oxygen or nitrous oxide entrained
in the device airpath.

PRODUCT CODES

S8 Auto 25

Europe[1], Europe[3]	**26105**
Europe[2], UK	**26126**
France	**26104**
Germany	**26125**

S8 Auto 25 also includes breath-by-breath adherence monitoring; flexible patient management options with ResScan Data Card, S8 ResLink and direct USB and serial connectivity; and a comprehensive patient management suite including TxControl™, ResControl II™, ResScan™ and Embletta™ for cost-effective therapy checks, titration and troubleshooting

1 English, Dutch, French, German, Italian, Portuguese and Spanish
2 English, Danish, Finnish, Norwegian and Swedish
3 English, Czech, Dutch (Belgium), French (Belgium), German (Belgium), Greek, Hungarian, Italian, Polish, Portuguese, Russian, Slovak, Spanish and Turkish