



Expiratory Pressure Relief (EPR)

Comfort without compromise

ResMed's premium devices in the S8™ range of flow generators are available with exclusive EPR functionality. EPR is a comfort mode of CPAP that offers an effective alternative to traditional CPAP therapy. EPR optimizes patient comfort without compromising therapy effectiveness.

EPR is designed to decrease the pressure against which the patient must breathe out, making the overall CPAP therapy more comfortable.

How does EPR work?

The sleep professional and the patient (at your discretion), can choose one of three comfort levels to determine how far the pressure can be decreased.

Setting 1: mild comfort—1 cm H₂O

Setting 2: medium comfort—2 cm H₂O

Setting 3: maximum comfort—3 cm H₂O

These set pressure reductions ensure that you know precisely the level of pressure the patient is receiving during treatment with EPR. This means that ResMed's EPR setting is predictable and dependable.

The pressure drop is limited, to avoid sub-optimal treatment (the maximum drop is 3 cm H₂O). When EPR is enabled, the delivered pressure will not drop below a minimum pressure of 4 cm H₂O, even if, for example, the set pressure is 6 cm H₂O and the EPR setting is 3.



EPR is available in the premium range of S8 devices.
Contact ResMed for details.

EPR during RAMP

EPR RAMP is a unique feature from ResMed, enabling sleep professionals to control EPR for use during the RAMP ONLY period, providing optimal choice and control over your patient's therapy. Patients experience the comfort of EPR as they are falling asleep, when they are generally more aware of the CPAP pressure. When the RAMP ONLY period expires, pressure reverts to the prescribed level.

EPR during FULL TIME

EPR can also be set to run FULL TIME, providing comfort during RAMP and throughout the night.

Adjusting EPR setup

If access is granted during setup by the sleep professional, the patient can adjust the EPR level (1, 2, 3 or OFF), but they cannot switch between FULL TIME and RAMP ONLY.

The sleep professional can access the EPR setting on ResMed's S8 devices either directly or remotely, via the ResScan™ Data Card, ResControl II™ or PC connection. This is very convenient for both clinician and patient because no appointments are necessary to set the device. Any adjustments to comfort requirements can be programmed on a ResScan Data Card before it is mailed to the patient.

EPR and event detection

To ensure comfort without compromising therapy, EPR has an automatic 'time out' feature. The device determines the baseline breathing average. If a patient's breathing drops 75% below the baseline for 10 seconds or more, pressure relief is suspended. After the event is over, EPR will start again.

Clinically proven

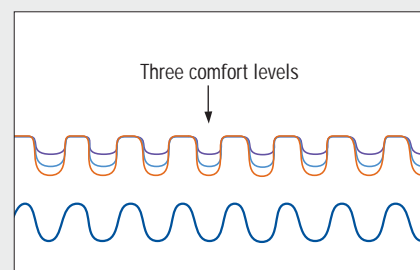
Recent clinical trials revealed that 79% of patients preferred EPR to traditional fixed CPAP therapy.¹ When compared to traditional CPAP, EPR provided treatment efficacy that was equivalent to traditional CPAP but provided higher patient comfort.¹ Consequently, EPR is a significant factor in improving patient compliance.

Now your patients can enjoy comfort without compromise.

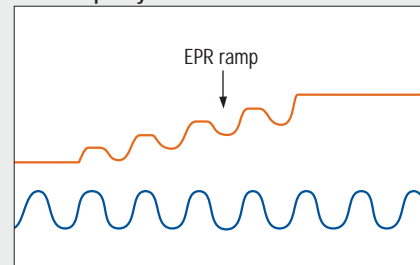
1. Data available on request.

EPR SETTINGS

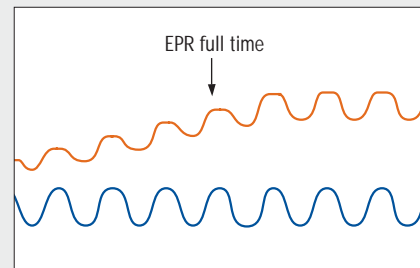
Three comfort levels



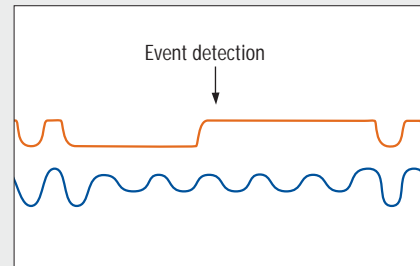
EPR ramp only



EPR full time



EPR and event detection



LEGEND

- Mask pressure
- Patient respiratory flow