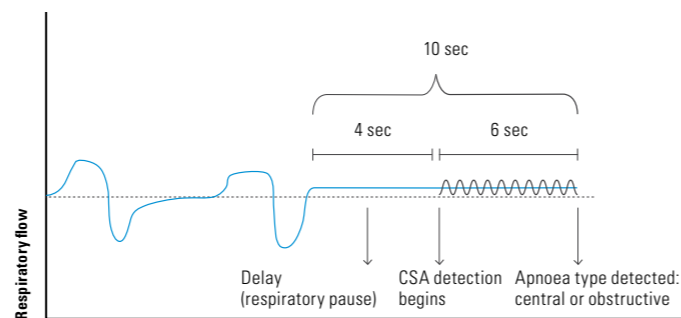# A new beginning in patient care

ResMed Air Solutions helps you provide more tailored therapy to your diverse patient base.

ResMed Air Solutions helps you provide more tailored therapy to more of your patients, no matter who they might be.

For your **challenging sleep apnoea patients**, ResMed Air Solutions devices feature central sleep apnoea (CSA) and Cheyne–Stokes respiration (CSR) detection. Giving you additional clinical insight into your patients' therapy progress, these detection algorithms help you provide timely intervention to those who need it.

For **patients who need adaptive servo-ventilation** (ASV) therapy, ResMed Air Solutions brings you the most clinically-studied PaceWave™ algorithm. The only one of its kind to target the patient's own recent minute ventilation, PaceWave offers truly personalised therapy to help rapidly stabilise patients' respiration and improve sleep quality.

And for your **female patients** they now have the benefit of a complete therapy solution designed especially for their needs, with the first dedicated algorithm tailored to respond to female-specific characteristics of sleep apnoea.
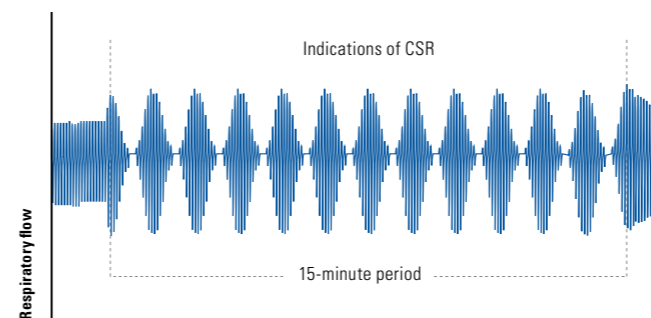

Detecting CSA

Detecting CSA

To determine if a patient's airway is open or closed during an apnoea, the CSA detection algorithm applies a forced oscillation technique (FOT) once an apnoea has been detected.

Central apnoeas are recorded in the patient's AHI, which you can monitor via AirView.

Detecting indications of CSR

Detecting CSR

Throughout the night, the intelligent CSR detection algorithm continually monitors each patient's breathing pattern, checking for indications of CSR.

If these indications occur for a minimum of 15 minutes, the patient may be exhibiting CSR, and this is captured in your reports in AirView.

You will be able to see how long the patient exhibited indications of CSR breathing patterns, and for what percentage of their total nightly sleep.

Managing CSA and CSR

ResMed's AirCurve 10 CS PaceWave device is specifically designed to treat CSA in all its forms (including mixed and complex sleep apnoea), and periodic breathing such as CSR.

The device also features technologies such as Vsync, which provides excellent patient–ventilator synchrony, even in the presence of significant leak.

Unique treatment for women

Recent studies show that obstructive sleep apnoea (OSA) is significantly different between women and men, and under-diagnosed in women.[5,6]

To address this, and support you and your patients, ResMed Air Solutions presents the first complete therapy solution tailored to the unique needs of women with OSA. It includes the AirSense 10 AutoSet™ for Her therapy device, with the first dedicated algorithm tailored to respond to female-specific characteristics of sleep disordered breathing.

Insightful reporting

The AirSense 10 AutoSet for Her also provides a respiratory effort-related arousal (RERA) reporting feature within AirView. This logs and stores effort-related sleep disturbances. Here, the patient tries to overcome obstruction and sustain their breathing regularity by increasing their effort, which finally results in an arousal. This new reporting feature, when combined with the new algorithm, provides additional clinical insight by identifying short apnoeas and flow limitation-related arousals.
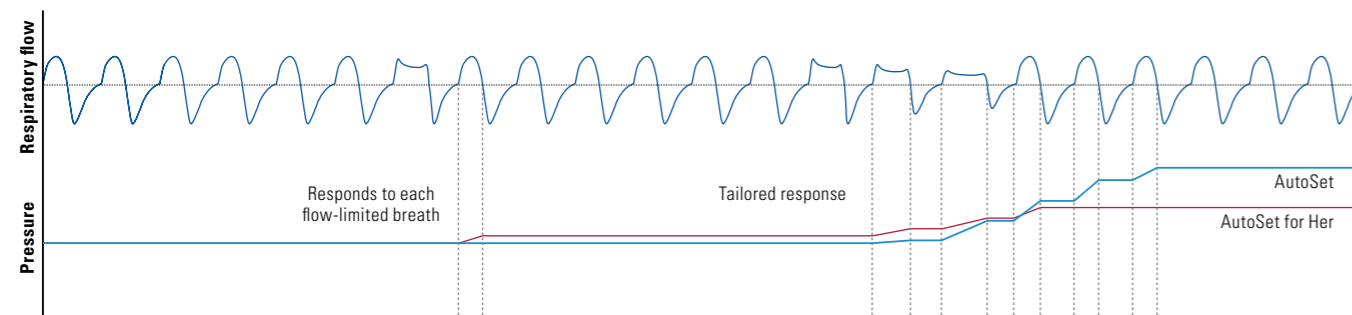
Gender-specific symptoms

Typically, women with sleep apnoea take longer to fall asleep, have more flow limitations, and more frequent sleep arousals than men.[5,7,8] Women also tend to have a lower apnoea–hypopnoea index (AHI), and fewer and shorter apnoeas than men, with a greater proportion of apnoeas occurring during REM sleep.[5] As symptoms differ substantially between genders, OSA may have been under-recognised in women in the past. Yet with women representing nearly 40% of all newly diagnosed sleep apnoea patients,[6] it's important to have a therapy device that meets their needs.

AutoSet for Her

The pioneering new AirSense 10 AutoSet for Her features ResMed's AutoSet algorithm and delivers therapeutic responses that have been tailored to the characteristics of OSA in women. Research has shown that women with OSA have more upper airway resistance than the general OSA population,[7] which is why the AutoSet for Her algorithm has been designed to be more sensitive to flow limitation. In addition, the algorithm provides more subtle changes in therapy pressure to minimise any sleep disturbance.

Respiratory flow

Pressure

Responds to each flow-limited breath

Tailored response

AutoSet

AutoSet for Her

How the **AutoSet for Her** algorithm responds to flow limitation

A complete offering

The AirSense 10 AutoSet for Her can be paired with any mask in the AirFit for Her mask series to provide female patients with a complete therapy solution.

Masks designed for women also give female patients options that may lead to improved acceptance and increased adherence. In addition to the small-size cushion, AirFit for Her masks come with a smaller headgear and shorter straps which help to provide an optimal fit for women.

The headgear has also been designed to easily position over or under the hair to suit a variety of hairstyles, and is finished in a soft pink and grey colour scheme.

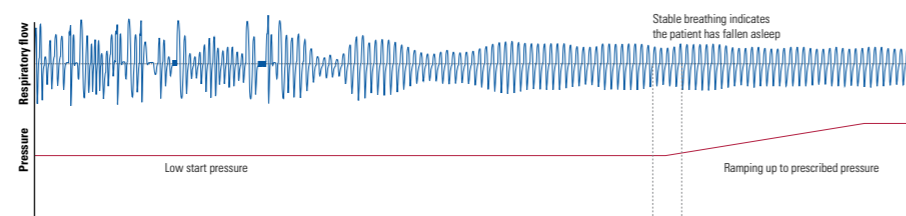AirFit™ P10

AirFit™ N10

AirFit™ F10

A new beginning in great sleep

From setting up to waking up, ResMed Air Solutions has been designed to deliver out-of-the-box comfort at every stage of your patients' treatment.

Every AirSense 10 and AirCurve 10 therapy device comes packed with cutting-edge features and technology working together seamlessly, so that comfort feels effortless. From the moment patients press Start, they are set up for a great night's sleep.
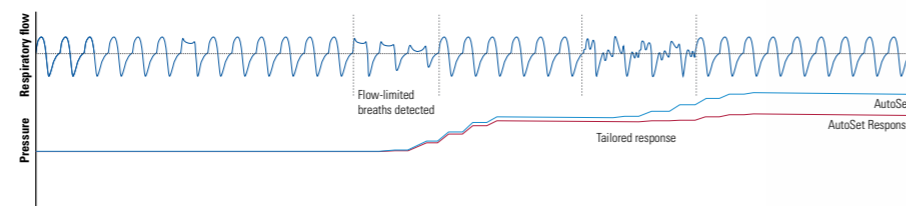
A comfortable start

ResMed's AutoRamp™ feature with sleep onset detection, found in AirSense 10 devices, is designed to make therapy comfortable from the moment your patient turns on their therapy device. AutoRamp starts by delivering a low pressure to help patients fall asleep with ease. Once it detects they're asleep, it comfortably increases the pressure to the prescribed level to ensure therapy is delivered the moment they need it.

ResMed's **AutoRamp feature** with sleep onset detection ramps up to your patients' prescribed pressure once they've fallen asleep.

Tailored therapy

Patients on the AirSense 10 AutoSet device can benefit from the optional AutoSet Response setting. Delivering pressure increases more gently, this setting is helpful for patients who are more sensitive to pressure changes. And for patients using the AirCurve 10 CS PaceWave device, ResMed's clinically-published ASV algorithm constantly learns, responds, predicts and synchronises with your patient's respiratory pattern, to help maximise comfort during therapy.

ResMed's **AutoSet Response** delivers gentler pressure increases for even more comfort throughout the night.

Humidification made easy

With Climate Control Auto, every device is automatically set to deliver therapy at the most comfortable temperature and humidity levels.

When used with ResMed's HumidAir™ heated humidifier and ClimateLineAir™ heated tube, Climate Control Auto is activated automatically – no settings to change and no complicated menus to navigate. The **ClimateLineAir** tube also features a **360-degree swivel** connector, so patients can enjoy more freedom to move.

The AirFit mask series: quiet, light and compact

ResMed's AirFit mask series completes the comfort solution by offering patients a choice of lightweight, quiet and simple to use masks that provide visual freedom for easy therapy, no matter which one they choose.

Every patient needs a mask that's comfortable, quiet and easy-to-use. But beyond that, they require a mask that meets their individual needs.

ResMed's new series of AirFit masks are lightweight and designed to deliver the ultimate in comfort throughout the night. All three masks are lightweight in design and provide a clear field of vision. What's more, the series has been created with the understanding that no one size fits all. **There is just the right fit for you and your patients.**

AirFit™ P10   AirFit™ N10   AirFit™ F10

A range of therapy choices

From obstructive and central sleep apnoea to Cheyne–Stokes respiration, ResMed Air Solutions introduces advanced therapy devices to cater to your diverse patient base.

AirSense™ 10
AUTOSET

AirSense 10 devices

AirSense 10 CPAP*
is a standard fixed-pressure therapy device.

AirSense 10 Elite
is a premium fixed-pressure therapy device.

AirSense 10 AutoSet
is an auto-adjusting therapy device that features the renowned AutoSet algorithm.

AirSense 10 AutoSet for Her
is an auto-adjusting therapy device featuring the first dedicated algorithm to respond to female-specific characteristics of sleep apnoea.

AirSense™ 10
AUTOSET for Her

AirCurve 10 CS PaceWave

AirCurve 10 CS PaceWave
is an adaptive servo-ventilator that targets recent minute-ventilation, and is designed to treat central sleep apnoea in all its forms (including mixed and complex sleep apnoea), and periodic breathing such as Cheyne–Stokes respiration.

AirCurve™ 10
CS PACEWAVE

	AirSense 10 CPAP*	AirSense 10 Elite	AirSense 10 AutoSet	AirSense 10 AutoSet for Her	AirCurve 10 CS PaceWave
Therapy modes					
AutoSet			●	●	
AutoSet for Her				●	
ASVAuto					●
ASV					●
CPAP	●	●	●	●	●
Clinical insight					
Cheyne–Stokes respiration detection		●	●	●	
Central sleep apnoea detection		●	●	●	
Respiratory-related effort arousals (RERA)				●	
Comfort features					
AutoSet algorithm with AutoSet Response			●	●	
AutoRamp with sleep onset detection	●	●	●	●	
Climate Control	●	●	●	●	●
Climate Control Auto	●	●	●	●	●
Expiratory pressure relief (EPR™)	●	●	●	●	
SmartStart™	●	●	●	●	●
Vsync					●
Data					
Built-in wireless connectivity**	●	●	●	●	●
AirView	●	●	●	●	●
AirView's remote assist	●	●	●	●	●
ResScan™ data management software	●	●	●	●	●
SD card	●	●	●	●	●

* Tender only   ** Devices without built-in wireless connectivity are also available.