



Lumis™ series
Non-invasive ventilators



Personalised ventilation
made easy

Individually responsive with IntelligentAir

Lumis introduces IntelligentAir: a collection of ResMed technologies – iVAPS, iBR and AutoEPAP – that can tailor therapy to individual breathing needs. Automatically adapting to changes at different stages of a patient’s condition, IntelligentAir makes personalised ventilation possible.



intelligent Volume-Assured Pressure Support (iVAPS): maintains ventilation target

To deliver the right volume of air for each patient’s therapy needs, iVAPS intelligently learns their unique alveolar ventilation, sets appropriate targets, then provides smooth pressure support to suit.



intelligent Backup Rate (iBR): allows spontaneous breathing

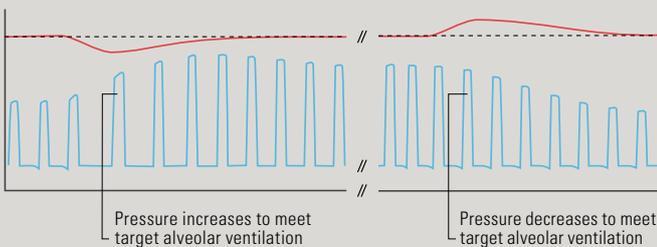
To give patients maximum opportunity to spontaneously trigger the ventilator, iBR stays out of the way until needed. It then provides backup breaths to comfortably bring patients back to their target rate.



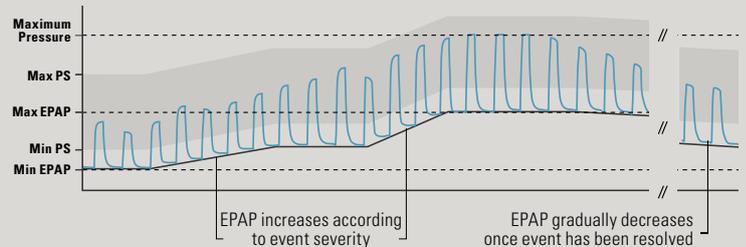
AutoEPAP: addresses obstructions and maintains upper airway patency

Responding according to the severity of the event, AutoEPAP auto-adjusts the expiratory pressure in response to partial and full obstructions. It also works to prevent events from occurring while the patient is asleep.

iVAPS



AutoEPAP



— Pressure - - - Target alveolar ventilation — Actual alveolar ventilation // Time lapse

iVAPS with iBR and AutoEPAP continuously monitor ventilation and the upper airway, and automatically adjust the therapy delivered to simplify titration and treat patients with challenging conditions.

iVAPS’ efficacy and tolerability have been established in nine publications concerning chronic obstructive pulmonary disease (COPD) and neuromuscular disease (NMD). See ResMed.com/Lumis for more details.

With major therapy parameters set, you can then easily fine-tune settings on a ‘per patient’ basis, so that the ventilation delivered is truly personalised for efficacy and comfort.



Provide excellent patient-ventilator synchrony, even in the presence of significant leak.



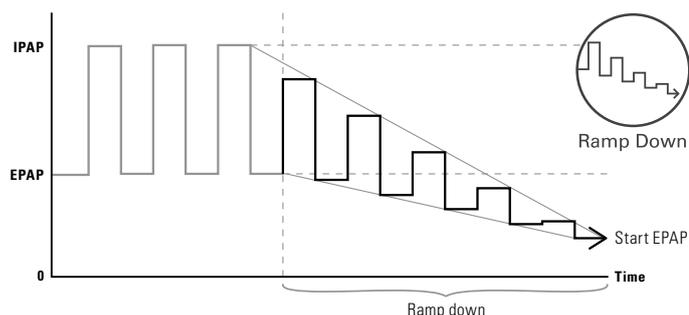
Set min and max limits on either side of the patient’s ideal inspiratory time to encourage spontaneous breathing.



Optimise settings according to the patient’s condition, using five trigger and cycle sensitivity levels.

Further customisation for comfort

For patients who need greater levels of pressure support (e.g. COPD patients), turning the ventilator off at the end of therapy can be quite abrupt. Lumis’ optional **Ramp Down** feature gradually reduces the pressure support delivered to help ease patients into spontaneous breathing.



Lumis ramps down the pressure delivered over a 15-minute period

Lumis is a non-invasive ventilator series designed for non-dependent patients with respiratory insufficiency

Every Lumis device is set up to enable personalised ventilation easily, so you can use one device series to customise therapy for a range of patient conditions.

Individually-responsive technologies automatically monitor and adapt to changing patient needs to deliver personalised therapy. And with built-in wireless connectivity, Lumis makes it easy for you to monitor your patients' progress and customise their settings remotely to continue to meet their unique therapy needs.



* In Lumis 100 VPAP ST-A and Lumis 150 VPAP ST-A devices

Elegant design

The user interface on Lumis ventilators has been designed with you and your patients in mind: it's intuitive and simple to navigate.

It's easy to view and personalise patient comfort settings, as well as gain valuable insight into their progress with a **sleep report** at the end of every session.

Automatic humidification

When used with a HumidAir™ heated humidifier and ClimateLineAir™ heated tube, Lumis delivers automatic humidification: **Climate Control Auto**. This mode comes pre-set with the temperature and humidity levels designed for optimal comfort, so you can set your patients up to receive all the benefits of humidification instantly – no settings to change, and no complicated menus to navigate.

Personalisation simplified

Lumis' **QuickNav** feature gives you a low-touch solution to therapy adjustment.

By simply double-clicking the home button on the device, you can quickly and easily toggle between the **Settings** and **Monitoring** screens, so you can instantly check the impact of adjustments you make on the patient's therapy.

Two Lumis models feature a set of fixed and adjustable alarms for extra reassurance, and to help you personalise therapy for your patients.

Built-in simplicity

Lumis displays your patient's **SpO₂ and pulse rate**** on screen even before therapy has begun, so you can personalise the ventilator settings to suit their needs.

Lumis also offers **Essentials mode** for patients who want to receive their therapy without worrying about settings or menus. They can simply press **Start** and the ventilator takes care of the rest.

** When a compatible oximeter and oximeter module are attached.



Completing the personalised ventilation picture: AirFit™ masks, Lumis ventilators and patient management with AirView.

AirFit F10 for Her full face mask

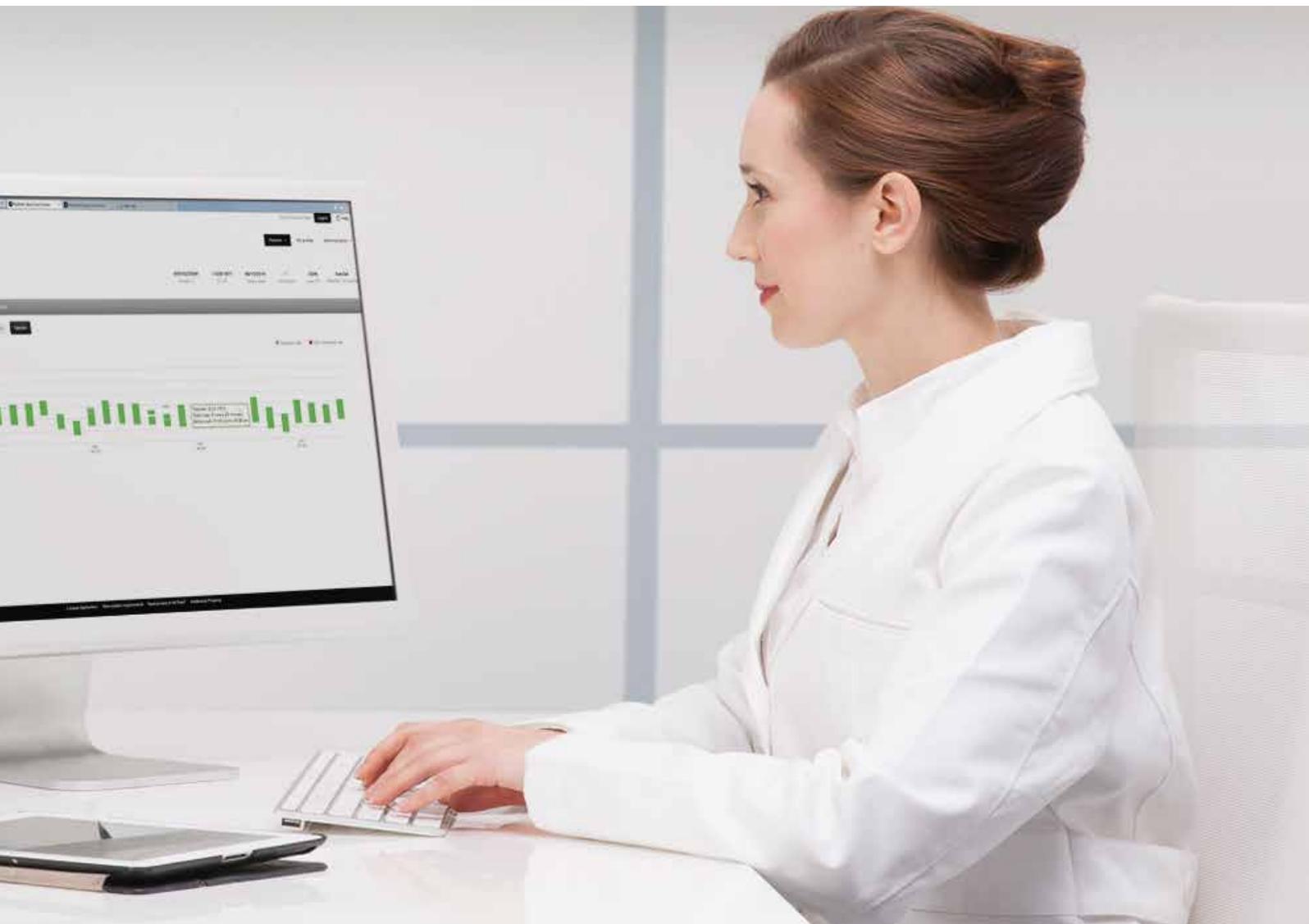
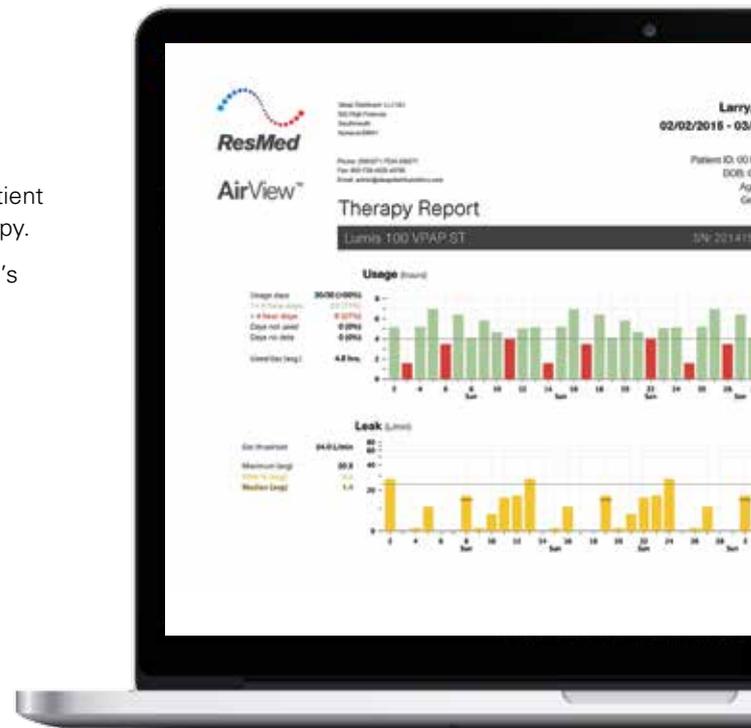
Connected care, better insight

Every Lumis device features built-in wireless connectivity so you can transfer therapy data directly to **AirView™**, ResMed's securely-hosted, cloud-based patient management system for remote monitoring.

With all data securely stored and accessible online via AirView or AirView Exchange***, you can identify potential issues, assess patient stability and provide timely interventions to tailor and optimise therapy.

AirView's Remote Assist feature gives you access to each patient's device status and key settings (such as leak and humidification) to troubleshoot device-related issues quickly and easily. This may also reduce lengthy phone calls, unnecessary device returns and unscheduled visits to the patient's home: a valuable time-saving feature.

***Through AirView Exchange you can integrate your application with AirView to exchange and use patient and device data.





Product comparison

	Lumis 100 VPAP S	Lumis 100 VPAP ST	Lumis 100 VPAP ST-A	Lumis 150 VPAP ST	Lumis 150 VPAP ST-A
Therapy modes					
CPAP	•	•	•	•	•
S	•	•	•	•	•
T		•	•	•	•
ST with optional iBR		•	•	•	•
PAC		•	•	•	•
iVAPS (with iBR) and optional AutoEPAP				•	•
Features					
Alarms			•		•
Vsync	•	•	•	•	•
TiControl™	•	•	•	•	•
Trigger and cycle	•	•	•	•	•
Ramp	•	•	•	•	•
Ramp Down	•	•	•	•	•
Climate Control Auto	•	•	•	•	•
Essentials mode	•	•	•	•	•
Data management					
Built-in wireless connectivity	•	•	•	•	•
AirView™	•	•	•	•	•
AirView's Remote Assist	•	•	•	•	•
ResScan	•	•	•	•	•

**** AirView also supports a card-to-cloud option for more detailed data via the SD card.

Product codes

	Lumis 100 VPAP S	Lumis 100 VPAP ST	Lumis 100 VPAP ST-A	Lumis 150 VPAP ST	Lumis 150 VPAP ST-A
Device only	28004	28104	28201	28115	28205
Device with HumidAir heated humidifier and ClimateLineAir Oxy heated tube	28003	28103	—	28114	28204



Further personalise each patient's therapy, and streamline your inventory with compatible ResMed Air Solutions accessories.



ClimateLineAir and ClimateLineAir Oxy heated tubing



HumidAir heated humidifier tub



Oximetry module/kit



USB module

For a full list of accessories, please see the ventilation accessories catalogue.