

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.

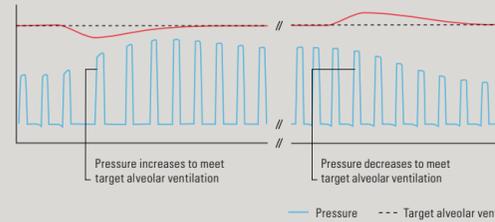


intelligent Backup Rate (iBR): allows spontaneous breathing
To give patients maximum opportunity to spontaneously trigger the ventilator, iBR stays out of the way until needed. It then provides backup breaths to comfortably bring patients back to their target rate.

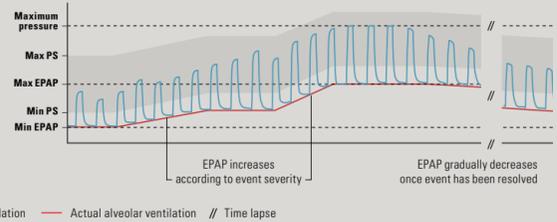


AutoEPAP: addresses obstructions and maintains upper airway patency
Responding according to the severity of the event, AutoEPAP auto-adjusts the expiratory pressure in response to partial and full obstructions. It also works to prevent events from occurring throughout the night.

iVAPS



AutoEPAP



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

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

Working with IntelligentAir, the following technologies also allow you to easily fine-tune settings on a ‘per patient’ basis, so that the ventilation delivered is truly personalised for efficacy and comfort.



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



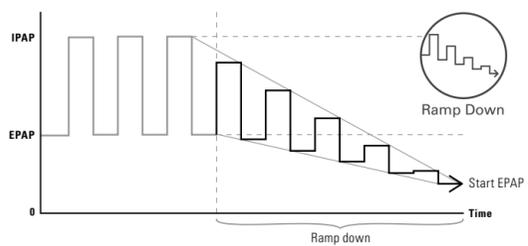
Sets min and max limits on either side of the patient’s ideal inspiratory time to encourage spontaneous breathing.



Optimises 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

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Product comparison

	Lumis 100 VPAP S	Lumis 150 VPAP ST	Lumis 150 VPAP ST-A
Therapy modes			
CPAP (Continuous Positive Airway Pressure)	•	•	•
S (Spontaneous)	•	•	•
T (Timed)		•	•
ST (Spontaneous-Timed) with optional iBR		•	•
PAC (Pressure Assist-Control)		•	•
iVAPS (with iBR) and optional AutoEPAP		•	•
Features			
Alarms			•
Vsync	•	•	•
TiControl™	•	•	•
Trigger and cycle	•	•	•
Ramp	•	•	•
Ramp Down	•	•	•
Climate Control Auto	•	•	•
Essentials mode	•	•	•
Data management			
ResScan	•	•	•

Product codes

	Lumis 100 VPAP S	Lumis 150 VPAP ST	Lumis 150 VPAP ST-A
Device with HumidAir heated humidifier and ClimateLineAir heated tube	28007	28118	28207



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ResMed.com/Lumis



Lumis™ series Non-invasive ventilators

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 cleanable tub



Oximetry module/kit



USB module

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



Personalised ventilation made easy

ResMed.com/Lumis

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.



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.

One Lumis model also features a set of fixed and adjustable alarms to help you personalise therapy for your patients.

Built-in simplicity

Lumis displays your patient's **SpO₂ and pulse rate**** on screen 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.



Supported by ResScan

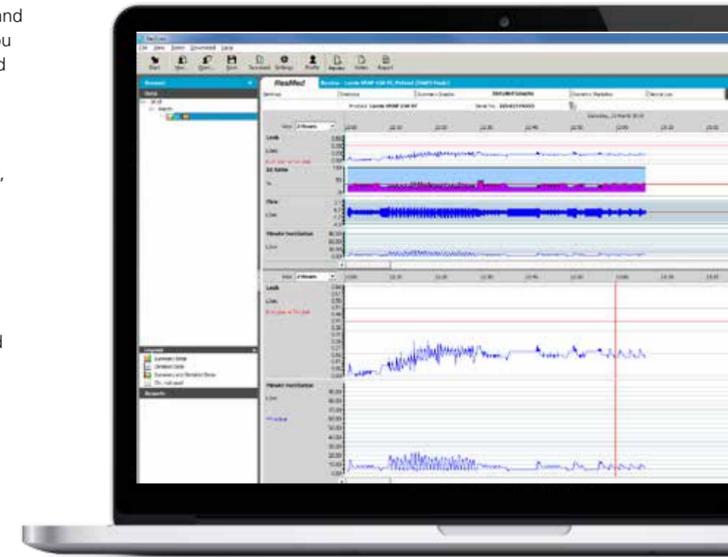
ResScan is ResMed's PC-based clinical analysis and patient data management software. It enables you to update and review device therapy settings, and download, analyse and store therapy data.

Using detailed statistics and summary graphs, ResScan allows you to review therapy breath-by-breath across a number of metrics (including AHI, leak and pressure information).

Advanced clinical insights

Data collected via a data card or USB provides insights to improve therapy, enhance efficacy and facilitate long-term compliance.

ResScan provides 365 days of summary data, 30 days of detailed data and 30 days of high-resolution data.



Fixed and adjustable alarms* to monitor patient therapy

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. You can also 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.

Easy-to-read, front-facing colour screen

Dedicated home button will always take you back to the top of the menu

Push-dial navigation with a single scroll menu

* In Lumis 150 VPAP ST-A device only



Mask selection completes the personalised ventilation picture. ResMed's AcuCare™ hospital disposable mask series delivers speed, stability and success in non-invasive ventilation.

AcuCare F1-4 hospital vented full face mask shown