Individually responsive with IntelligentAir

Lumis introduces IntelligentAir: a collection of ResMed technologies – iVAPS, iBR, AutoEPAP, Vsync, TiControl™, and Trigger and cycle – 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.

iVAPS

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.

iBR

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.

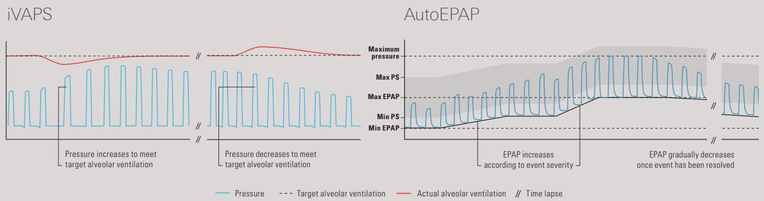
IBR is available in iVAPS and ST modes.

AutoEPAP

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.

AutoEPAP is available in iVAPS mode.



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. 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.

Vsync

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

TiControl

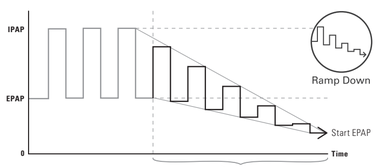
Set min and max limits on either side of the patient's ideal inspiratory time.

5Trigger

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's 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

* 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.

ResMed

Features

	Lumis 100 VPAP S	Lumis 150 VPAP ST
Therapy modes		
CPAP (Continuous Positive Airway Pressure)	•	•
S (Spontaneous)	•	•
T (Timed)		•
ST (Spontaneous–Timed) with optional iBR		•
PAC (Pressure Assist-Control)		•
iVAPS with optional AutoEPAP		•
Comfort and simplicity features		
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
Device with HumidAir heated humidifier and ClimateLineAir heated tube	**28007**	**28118**

Hospital Home iVAPS iBR AutoEPAP Ramp Down Target Va Learn Targets Vsync TiControl 5 Trigger

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.

ResMed Pty Ltd
1 Elizabeth Macarthur Drive
Bella Vista NSW 2153 Australia

Distributed by: EC REP ResMed (UK) Ltd, 96 Jubilee Ave, Milton Park, Abingdon, Oxfordshire OX14 4RW. See ResMed.com for ResMed locations worldwide. AcuCare, ClimateLine, HumidAir, Lumis, ResScan and TiControl are trademarks and/or registered trademarks of the ResMed family of companies. For patent information, see ResMed.com/ip. Specifications may change without notice. Product availability may vary across regions. © 2015 ResMed. 1018682/1 2015-06

ResMed.com/Lumis

ResMed

Lumis™ series
Noninvasive ventilators



Personalised ventilation made easy

ResMed.com/Lumis

Lumis™ is a noninvasive ventilator series designed for non-dependent patients with respiratory insufficiency.

Lumis automatically monitors and adapts to each patient's needs. 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 ResScan™ 5.4 you can stay connected with your patients' progress and customise their settings to continue to meet their unique therapy needs.



Personalisation simplified

Lumis's **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** screen (where you can make adjustments to your patient's therapy) and the **Monitoring** screen (where you can check the impact of those adjustments on the patient's therapy). It's that easy and efficient.

Built-in simplicity

Lumis displays your patient's **SpO_2 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.



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 the Data Card or USB provides insights to improve therapy, enhance efficacy and facilitate long-term compliance.

ResScan 5.4 supports the features of Lumis including enabling Essentials mode which allows patients to just press Start without worrying about settings or menus. It also provides 365 days of summary data, 30 days of detailed data and 30 days of high resolution data.





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

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.



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

AcuCare F1-4 hospital vented full face mask shown