

Designed for versatility



Stellar is ResMed's premium non-invasive ventilator series (with invasive capabilities) for patients with changing ventilatory needs or progressive respiratory conditions, including chronic obstructive pulmonary disease (COPD), neuromuscular disease (NMD) and obesity hypoventilation syndrome (OHS).

Easy to set up and use, Stellar carefully strikes a balance between providing you with pre-programmed settings that make your job easier, and the opportunity to fine-tune settings when needed to suit each individual patient – a versatile system with its end-users in mind.



Stellar specifications

Modes	iVAPS (intelligent Volume-Assured Pressure Support) with AutoEPAP* ST (Spontaneous-Timed) PAC (Pressure Assisted Control) CPAP (Continuous Positive Airway Pressure) S (Spontaneous) T (Timed)
Pressure range	IPAP: 2–40 cm H ₂ O EPAP: 2–25 cm H ₂ O
TiControl™	Ti Max 0.3–4 sec Ti Min 0.1–Ti Max
Respiratory Rate	5–60 bpm
Rise Time	Min, 150–900 msec (approx.)
Trigger and Cycle	Five sensitivity settings
Adjustable alarms	High Leak Low Minute Ventilation Low and High Pressure Low and High Respiratory Rate Apnoea Low and High FiO ₂ Low SpO ₂ Non-vented mask
Standard fixed alarms	Circuit disconnected Over pressure Blocked tube Internal battery empty
Dimensions (LxWxH)	230 x 170 x 120 mm
Weight	2.1 kg
Air filter	Electrostatic fibre mesh
Air outlet	22 mm taper, compatible with ISO5356–1:2004
Internal battery	Lithium-ion, 2 hours at EPAP 5, IPAP 15, 20 bpm
Power supply	AC 100–240V 50–60Hz, 2.2A AC 110V 400Hz, 2.2A DC 24V/3A
IEC 60601–1 Classification	Class II (double insulation) Type BF Continuous operation

* iVAPS with AutoEPAP is only available on Stellar 150

Product codes

	Stellar 100	Stellar 150
Asia Pac	24164	24162
Asia Pac Group 2	24170	24169
Asia Pac Group 3	24168	24167

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Stellar
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All others










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Stellar™ series
Non-invasive/invasive ventilators

Accessories

-  H4i Heated Humidifier
24930
H4i water chamber (disposable tub)
26952
-  Stellar DC-DC converter
24922
-  Mobility bag
24977
-  ResMed Xpod LP oximeter **22374**
Oximetry reusable sensor **22370**
Oximetry disposable sensor **22380**
-  FiO₂ monitoring kit **24955**
FiO₂ sensor **CAP008617**
-  Remote Alarm II **27902**
2 m cable **27904**
5 m cable **27905**
10 m cable **27906**
20 m cable **27907**
-  ResMed Power Station II battery and bag **24921**
DC cable **24959**
Power supply 90W **36824**
-  ResMed leak valve
24988
-  ResMed standard trolley
24905

See the ventilation accessories catalogue for the full suite of ResMed accessories.



Stellar series:
the versatile choice

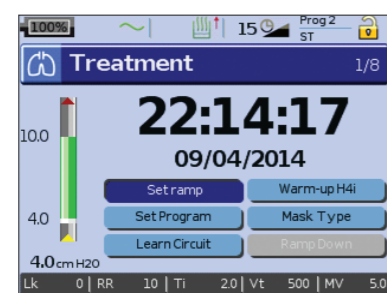
ResMed.com/Stellar



Meeting the demands of fast-paced hospitals

Stellar 100 and Stellar 150 are packed with technologies to deliver a versatile ventilation solution, but not at the expense of easy setup and use. Taking into consideration the busy hospital environment and typical workflows, Stellar's intuitive menus simplify the setup process, while its real-time data display makes monitoring quick and always available.

Access critical setup options quickly and easily

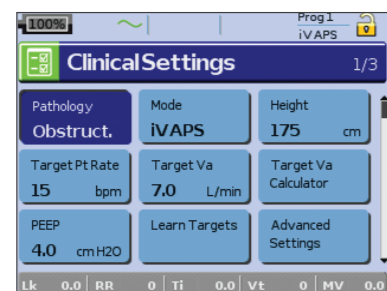


Critical setup options like Learn Circuit and Mask Type are now also displayed on the first clinical menu screen you see, so you can access important settings immediately.

Continuous monitoring at-a-glance

Stellar's large colour LCD screen displays essential data (such as pressure and flow curves, leak, tidal volume, SpO₂ and FiO₂) in real-time. And for even greater insight, high-resolution (25Hz) flow and pressure data is also available via the ResScan™ patient management software.

Choose optimised settings using Pathology Defaults



A number of values are pre-set and organised by disease category to help facilitate therapy initiation. By optimising settings per condition, staff are given an accurate starting point, from which they can quickly fine-tune (if necessary) to suit the individual patient's specific needs.

Delivering optimal therapy to many types of patients

Providing the modes you'd expect to see for excellent positive pressure ventilation, Stellar also includes the auto-adjusting, volume-assured mode, iVAPS, with an intelligent Backup Rate, and optional AutoEPAP feature – delivering what we call IntelligentAir.*

IntelligentAir continuously monitors and automatically adjusts to deliver personalised therapy to patients with changing ventilatory needs.



intelligent Volume-Assured Pressure Support (iVAPS): Targets each patient's alveolar ventilation.



intelligent Backup Rate (iBR): Provides backup breaths only when needed to give patients a chance to spontaneously trigger the ventilator.



AutoEPAP: Auto-adjusts the expiratory pressure in response to partial and full upper airway obstructions.

Flexible therapy options

Integrated oxygen: up to 30 L/min

High pressure delivery: up to 40 cm H₂O at the mask

Extensive alarms: including FiO₂ and SpO₂ to provide added assurance for 'at risk' patients

Paediatric use: for children weighing down to as little as 13 kg

Pass-over or CounterStream™ humidification: heated humidification with the H4i™ or HumiCare™ D900

Dual programs: set and save up to two programs per patient for day/night ventilation or rest/active periods

Personalised efficacy and comfort: using the following features, you can easily fine-tune settings on a patient-to-patient basis



Vsync



TiControl



5 Trigger



Rise and fall times



Ramp



Ramp Down

Transitioning home and staying mobile

Stellar has been thoughtfully engineered to not only streamline patient setup, but also streamline a patient's transition to NIV therapy at home.

Small, lightweight and portable, Stellar is a suitable ventilator for patients to return home with, fitting in seamlessly with their lifestyle as they move about and carry on with their daily activities.

Powered to move

Stellar gives patients who need extended ventilation the freedom to move – whether in hospital, at home or beyond.

Two hours capacity with an internal battery

The power of one – or two – RPS II external batteries, each providing an **extra eight hours' capacity**

Take it anywhere with a DC outlet with the new DC-DC converter

Custom-built mobility bag protects the ventilator when out and about



* iVAPS with AutoEPAP is only available on Stellar 150