Resmed

AirCurve™ 11
ST-A

Therapy designed to support changing respiratory needs

AirCurve™ 11 ST-A is designed to comfortably support patients with respiratory impairment, enabling providers to deliver effective therapy from the start. It includes advanced modes such as iVAPS™* with AutoEPAP™**.

The adaptive iVAPS* with AutoEPAP** algorithm is designed to adjust to changing conditions, helping maintain an effective and personalized therapy experience over time. By targeting alveolar ventilation, the iVAPS* algorithm automatically adjusts pressure support to maintain a set ventilation target in response to flow limitation or upper airway obstruction.

Digital tools like myAir™ and AirView™ support patient engagement and provider therapy monitoring.



Bluetooth® oximetry compatibility with Bluetooth-enabled oximeter enables the flexibility to monitor SpO_2 and pulse rate.

User-friendly touchscreen is designed to make navigating settings simple. Preview graphs allow you to visualize how changes to some settings could affect the patient's ventilation curves.

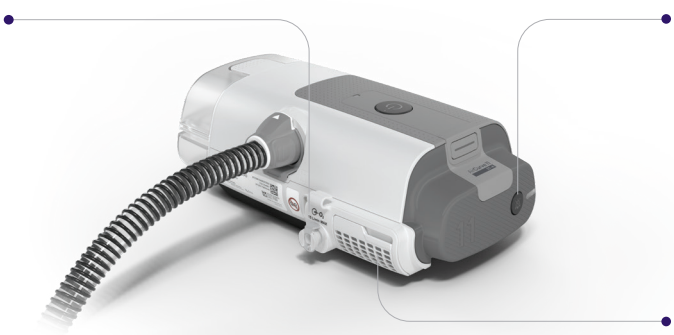


Integrated HumidAir™ 11 heated humidifier works with Climate Control to deliver consistent, customizable temperature and humidity when connected to ClimateLineAir™ 11.

Care Check-In† provides access to patient-reported subjective feedback to help you identify patients who may need additional attention.

Integrated cellular connectivity enables secure and automated transmission of patient therapy data to the cloud for access in AirView.

Dedicated oxygen inlet at the back of the device makes entraining oxygen easy.



Alarms offer fixed and adjustable options providing extra reassurance.

Disposable air filters help reduce entry of common debris.

Supported by digital tools

The Air11™ platform is designed to enable informed, timely care and facilitate patient adherence.

- **AirView for ongoing remote management:** Therapy data uploads automatically to AirView, equipping you to:
  - → **Review data:** Use interactive graphs and efficient analytics to monitor ongoing therapy data and observe trends over time.
  - → **Management by exception:** Set customized rules and thresholds that trigger dashboard notifications when a patient requires attention, allowing you to prioritize care for those who need it most.
  - → **Adjust settings remotely:** Change device settings remotely to more easily manage patients.
- **myAir app and Care Check-In (CCI)† for patient engagement:** myAir provides personalized coaching‡ content to help you with your therapy journey, including step-by-step troubleshooting videos. The integrated CCI feature delivers patient-reported subjective feedback, helping you identify patients who need assistance.
- **Over-the-air (OTA) updates:** OTA capability allows future software enhancements to be remotely applied to compatible devices, helping ensure access to the latest ventilation features.

Offer responsive therapy and maintain comfortable patient-device synchrony

iVAPS* mode is designed to maintain a preset target alveolar minute ventilation by monitoring delivered ventilation, adjusting the pressure support, and automatically providing an intelligent backup breath.

NEW[1] **AutoEPAP**** automatically adjusts expiratory pressure within pre-set limits throughout the night to prevent airway obstructions and respond when flow limitations occur. It also simplifies the setup process by identifying a suitable initial EPAP setting, reducing the need for manual adjustments during therapy initiation.

Vsync helps support patient-device synchrony in the presence of significant leak by compensating for flow loss to maintain pressure and follow the patient's breathing pattern.

TiControl™ allows adjustment of inspiratory timing to personalize your patient's inspiratory cycle. By setting upper (TiMax) and lower (TiMin) limits, you can optimize patient-device synchrony and help reduce the risk of premature or late cycling.

NEW[1] **Ramp** eases patients into therapy by starting at a lower pressure. Adjustable **Ramp Down** supports a smoother transition back to spontaneous breathing, with patient control over whether the feature is activated.

NEW[1] **Trigger and Cycle** settings offer five trigger sensitivity levels to help detect the start of each breath and seven cycle sensitivity levels to identify the end of inspiration. Compared with AirCurve 10 ST-A, **two new higher cycle sensitivity options** have been added, enabling AirCurve 11 ST-A to support a broader range of conditions where breathing effort may be subtle or difficult to detect.

NEW[1] **Rise and Fall Time:** Rise Time enables you to adjust the transition from EPAP to IPAP to help accommodate varying ventilatory demands. Adjustable Fall Time allows users to personalize the transition to expiratory pressures offering the opportunity to optimize comfort and synchrony.

Product codes

Product name	Model Number
AirCurve 11 ST-A USA with HumidAir 11	51202
AirCurve 11 ST-A USA with HumidAir 11 & ClimateLineAir 11	51203
ClimateLineAir 11	39102
Slimline™	36810
Standard air tubing 1.8m	14994
Autoclavable standard tubing 2m	14986
Autoclavable standard tubing 3m	14922
Tubing wrap for Slimline	36811
Tubing wrap for Standard tube	33963
HumidAir 11 Standard	39100
HumidAir 11 cleanable	39101
Air 11 side cover	39226
Nonin WristOx2 3150 BLE oximeter	7079666
Air 11 PSU 90W	39206
Air 11 Air outlet	39220
Air 11 DC-DC converter	39231
Oxygen connector	51903
Air 11 Large travel bag	51900
SD card 1 pack	39228
SD card 10 pack	39229
Air 11 filter, Standard, 1 pack	39300
Air11 filter, Standard, 2 pack	39301
Air11 filter, Standard, 12 pack	39302
Air 11 filter Standard, 50 pack	39303
Air11 filter, hypoallergenic, 1 pack	39304
Air11 filter, hypoallergenic, 2 pack	39305
Air11 filter, hypoallergenic, 12 pack	39306
Air11 filter, hypoallergenic, 50 pack	39307
11 ST/ST-A Card Cover	51901

Technical specifications

	AirCurve 11 ST-A
Modes	CPAP, S, ST, PAC, iVAPS* with AutoEPAP** option
Pressure Range	Maximum pressure: 30 cm H_2O (25 hPa) CPAP: 4–20 cm H_2O (4–20 hPa) S, ST, PAC, iVAPS*: 3–30 cm H_2O (3–30 hPa)
Alarms	High Leak, Low Minute Ventilation, Non-Vented Mask, Apnea, Alarm volume, Blocked tube, Tube Disconnected, Tub/Side cover, Power failure, system error.
Features	TiControl, Trigger and cycle, Vsync, Ramp, Ramp down, Climate Control, intelligent Backup Rate[2]
Supplemental oxygen	Maximum flow of 15 L/min, through integrated oxygen inlet at the back of the device
Bluetooth oximetry compatibility	•
Power cord retention option	•
Data management	
Built-in wireless connectivity	•
MyAir compatibility	•
AirView compatibility	•

* iVAPS therapy mode is indicated for patients weighing 66lb (30kg) or above.
** Only available in iVAPS mode.
† Care Check-In data available in AirView upon patient consent.
‡ Coaching entails personalized feedback to encourage continuation of therapy. This is not a healthcare service and is not performed by licensed healthcare providers.
[1] New on AirCurve™ 11 compared with AirCurve™ 10. Expanded trigger and cycle sensitivity options, adjustable Fall Time, Ramp Down, and AutoEPAP are available on AirCurve™ 11 ST-A. Data on file. Resmed.
[2] Available in ST and iVAPS modes only.

Some features of myAir are only available in the myAir app and with Air11 devices.
The myAir by Resmed app is available in English and Spanish in the US. The myAir for Canada by Resmed app is available in English and French in Canada.
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AirCurve 11 ST-A may not be available or approved in all regions. Check local product listings for availability.

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