



AirCurve™ 10

ST-A



Personalized ventilation made easy

The AirCurve™ 10 ST-A provides effective non-invasive ventilation for patients with respiratory insufficiency such as neuromuscular disease, restrictive disorders, severe COPD and hypoventilation syndromes.

It features iVAPS (intelligent Volume-Assured Pressure Support), ResMed's proprietary mode that automatically adapts to each patient's changing needs, and an intelligent Backup Rate (iBR) that maximizes their opportunity to breathe spontaneously. The AirCurve 10 ST-A includes both fixed and adjustable alarms for added safety and built-in cellular connectivity to AirView™ for remote monitoring and the ultimate in patient care.

Personalization simplified

As part of the industry-leading ResMed Air Solutions family, the AirCurve 10 ST-A features the same user-friendly controls, intuitive interface and color LCD screen as our other Air10™ devices. This device also displays each patient's SpO₂ and pulse rate on screen before therapy has even begun, so you can personalize the ventilator settings to best suit their needs. Our popular Essentials mode makes therapy easier for patients who don't want to fuss with settings changes – once they press Start, the ventilator takes care of the rest.



iVAPS: Auto-adjusting pressure support

iVAPS' efficacy and tolerability have been established in various patient populations, such as hypercapnic chronic obstructive pulmonary disease (COPD) and neuromuscular disease (NMD).

Adherence

Patients prefer iVAPS to standard pressure support ventilation,¹ which can lead to longer use of non-invasive ventilation (NIV).

iVAPS was found to help patients adhere to therapy 60 minutes longer per session than when treated with standard pressure support ventilation.¹

Efficiency

The amount of time required to set up and optimize NIV is less with iVAPS,² allowing hospital staff to be more efficient managing NIV patients.

Automatic titration of pressure support ventilation may hold promise for the setup of NIV in non-acute facilities in which teams are gaining experience in NIV, and also for home setups.³

Efficacy

iVAPS improves blood gases (and other values) as effectively as standard pressure support modes.^{1,2,4}

iVAPS also achieves a lower overall level of pressure support thanks to its automatic response.¹

¹ Kelly JL et al. Randomized trial of 'intelligent' autotitrating ventilation versus standard pressure support non-invasive ventilation: Impact on adherence and physiological outcomes. *Respirology* 2014;19(4):596–603.

² Oscoff NS et al. Volume assured versus pressure preset non-invasive ventilation for compensated ventilatory failure in COPD. *Respir Med* 2014;108(10):1508–15.

³ Jaye J et al. Autotitrating versus standard noninvasive ventilation: A randomised crossover trial. *Eur Respir J* 2009;33:566–73.

⁴ Ekkernkamp E et al. Impact of intelligent volume-assured pressure support on sleep quality in stable hypercapnic chronic obstructive pulmonary disease patients: A randomized crossover study. *Respiration* 2014;88(4):270–6.

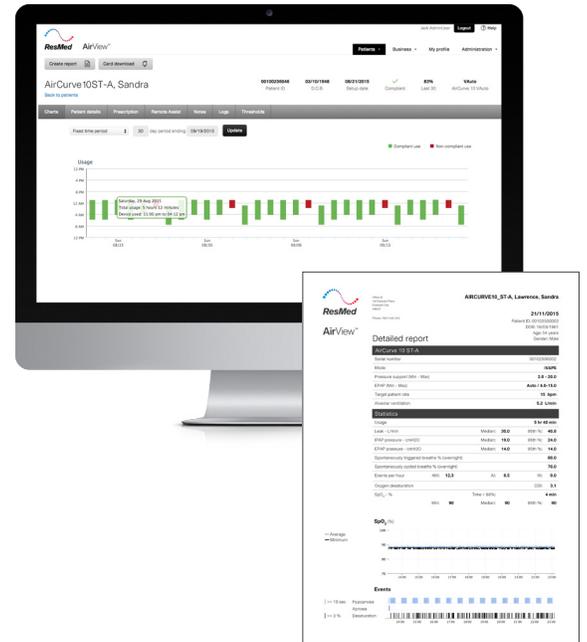
A new level of connected care

Every AirCurve 10 device features built-in cellular connectivity, giving you unprecedented access to therapy data via AirView, ResMed's cloud-based patient management system. AirView allows you to manage sleep and respiratory patients in one place, simplify workflows and collaborate more efficiently across the patient's care network. And with timely access to therapy statistics and trend data, you can tailor therapy to each patient and their condition over time.

AirView's Remote Assist feature gives you access to key information like humidification settings and nightly leak, so you can resolve callbacks quickly and eliminate unnecessary patient visits. You can also use AirView to identify at-risk patients and make the necessary adjustments to certain therapy settings from the convenience of your office.

Early intervention for respiratory patients

Recent studies show that changes in respiratory rate^{5,6} and spontaneous trigger events⁶ can precede exacerbations of COPD, which require frequent hospitalization. With spontaneous trigger % and respiratory rate data now available in AirView, tracking these has never been easier.



5 Yañez AM et al. Monitoring breathing rate at home allows early identification of COPD exacerbations. *Chest*. 2012 Dec;142(6):1524-9.

6 Borel JC et al. Parameters recorded by software of non-invasive ventilators predict COPD exacerbation: a proof-of-concept study. *Thorax*. 2015 Mar;70(3):284-5.





AirCurve™ 10 ST-A

AirCurve 10 ST-A with HumidAir™	US 28210	Canada 28219
AirCurve 10 ST-A with HumidAir and ClimateLineAir™	28211	



Accessories



37296 ClimateLineAir heated tube
37357 ClimateLineAir Oxy heated tube
36810 SlimLine™ tube



HumidAir heated humidifier
37300 Cleanable tub
37299 Standard tub



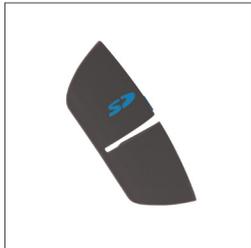
Air10™ side cover
37303 Charcoal



37304 Travel bag



37394 Air10 tubing elbow (in-line elbow for use with non-heated tubing)



Side panel rubber SD card door
19728 Charcoal



37310 Air outlet (connects device and tube; disinfect or replace for multi-patient use)



Filters – standard
36850 (1 pk) **36851** (2 pk)
36852 (12 pk) **36853** (50 pk)
 Filters – hypoallergenic
36855 (1 pk) **36856** (2 pk)
36857 (12 pk) **36858** (50 pk)
 Filter cover
19768 Gray (AirCurve)



SD card protective folder
37329 with card (10 pk)
37330 without card (10 pk)
36931 SD card reader



37302 Air10 oximetry module
22374 Xpod® oximeter
22371 Xpod clip
707560 Reusable soft sensor (medium) – 3-meter cable
370004 Air10 Oximetry Complete Kit: Includes oximetry module, Xpod, Xpod clip, reusable soft sensor (medium)

Additional accessories

Power accessories	ResMed Power Station II	Standard tubing	Tubing wraps	ResScan™ software
37297 Air10 DC–DC converter 37344 Air10 power supply unit (90W)	24923 RPS II 37343 Air10 DC cable 37342 Air10 power supply unit adaptor 249009 RPS II Kit for Air10: includes RPS II, Air10 DC cable, Air10 power supply adaptor	14994 (6' replacement standard tubing) 14987 (6'6" replacement standard tubing) 14986 (6'6" replacement autoclavable standard tubing) 14999 (9' replacement standard tubing. AirCurve only)	36811 SlimLine tubing wrap 33963 Standard tubing wrap	To order ResScan patient management software, contact ResMed Customer Service.

ResMed.com