



AirCurve™ 10

CS PACEWAVE

ResMed's unique minute ventilation adaptive servo-ventilator

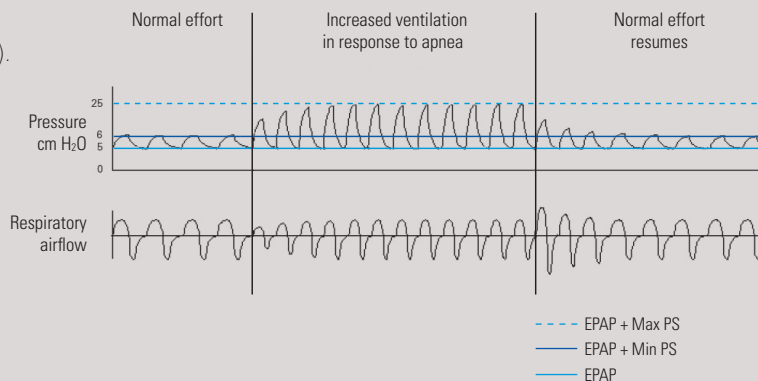
Featuring the most clinically studied PaceWave ASV algorithm, AirCurve 10 CS PaceWave™ is ResMed's premium adaptive servo-ventilation (ASV) device designed to treat central sleep apnea (CSA), mixed and complex sleep apnea (CompSA), as well as periodic breathing, with or without obstructive sleep apnea (OSA). With an integrated connected care system*, AirCurve 10 CS PaceWave makes it easy to manage your patients' conditions.





PaceWave ASV therapy

- The PaceWave ASV algorithm is the only one of its kind to target the patient's own recent minute ventilation (MV).
- Learns, predicts and synchronises with the patient's breathing pattern with split-second resolution.
- Rapidly increases pressure support when necessary to maintain MV at targeted levels.
- Gradually reduces pressure support to a comfortable minimum once breathing is stabilised, preventing over-ventilation and hypocapnia.
- The backup rate is automatically calculated to match the patient's needs so that mandatory breaths are delivered at the patient's recent spontaneous breath rate.



Key features

Streamlined patient care

- Thanks to built-in wireless technology* in the AirCurve 10 CS PaceWave, information about how your patients are doing with their therapy is available for you to view via our AirView™ patient management system. Compliance, leaks, apnea-hypopnea index (AHI) and detailed data are all at your fingertips, allowing you to identify pain points in a timely and efficient manner.
- AirView's 'remote assist' feature enables wireless access to each patient's device settings. This means you can troubleshoot any technical issues remotely, and answer common therapy questions in minutes.

Optimal comfort

- Thanks to its breath-phase mapping technology, PaceWave tracks each patient's breath and predicts the next one, for better ventilator synchrony and natural breathing.
- The integrated HumidAir™ heated humidifier with Climate Control technology ensures consistent humidification throughout the night.

Optimised response to upper airway obstructions

AirCurve 10 CS PaceWave offers two different ASV modes.

- In ASV mode, the expiratory positive airway pressure (EPAP) is fixed, and can be manually adjusted.
- In ASV Auto mode, the EPAP automatically adjusts to provide only the level of pressure required to maintain upper airway patency.

Clear therapy insights

- Therapy summary data (365 days) can be viewed on the device or wirelessly through AirView. An additional 30 days of detailed data is also available remotely via AirView.
- Access to high-resolution breath-by-breath flow data provides clear therapy monitoring through the new version of ResScan™ data management software.

Technical specifications

Modes	CPAP, ASV, ASV Auto
Operating pressure range	4–20 cm H ₂ O (CPAP mode) 4–25 cm H ₂ O (ASV and ASV Auto mode)
Sound pressure level	27 dBA with uncertainty of 2 dBA as measured according to ISO 17510-1:2007 (CPAP mode)
Dimensions (L x W x H)	116 mm x 255 mm x 150 mm
Built-in wireless technology	4G GSM
Weight (with integrated humidifier)	1248 g
90W power supply unit	Input range: 100–240V, 50–60Hz, 57VA (typical power consumption), > 108VA (maximum power consumption)
Operation	
Temperature	+5°C to +35°C
Humidity	10–95%, non-condensing
Altitude	Sea level to 2,591 m
Storage and transport	
Temperature	-20°C to +60°C
Humidity	5 to 95% relative humidity, non-condensing
Housing construction	Flame retardant engineering thermoplastic
Supplemental oxygen	Recommended maximum supplemental oxygen flow: 4 L/min
Standard air filter	Polyester non-woven fibre
Tubing	SlimLine™ tubing, ClimateLineAir™ tubing, Standard tubing
Air outlet	The 22 mm conical air outlet complies with ISO 5356-1:2004
Electromagnetic compatibility	Requirements (EMC) according to IEC 60601-1-2: 2007 for residential, commercial, and light industry environments
Aircraft use	ResMed confirms that the device meets the Federal Aviation Administration (FAA) requirements (RTCA/DO-160, section 21, category M) for all phases of air travel
IEC 60601-1: 2005 classification	Class II (double insulation), Type BF Ingress protection IP22

Product codes

AirCurve 10 CS PaceWave with built-in wireless connectivity*, HumidAir heated humidifier and ClimateLineAir heated tube	37459
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Note: ASV therapy is contraindicated in patients with chronic, symptomatic heart failure (NYHA 2–4) with reduced left ventricular ejection fraction (LVEF ≤ 45%) and moderate to severe predominant central sleep apnea.

*Wireless communication depends on network availability



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