



AirCurve™ 10

CS PACEWAVE

A new beginning in therapy choices

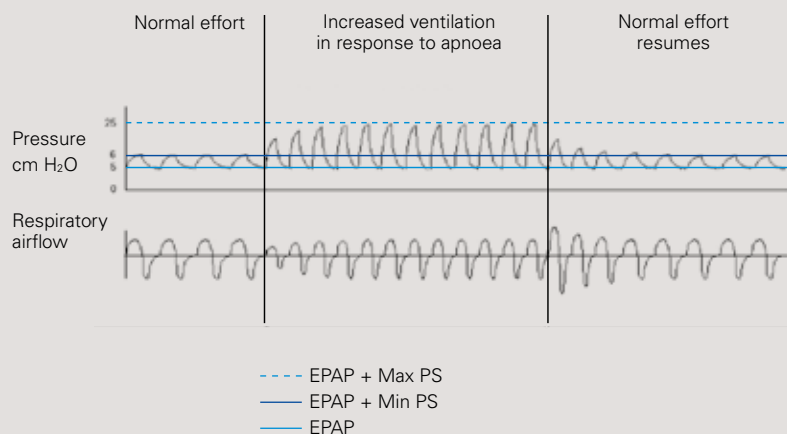
Extensively innovative, the AirCurve 10 CS PaceWave™ delivers personalised therapy with the PaceWave responsive ASV algorithm to treat patients with central, mixed or complex sleep apnoea, or periodic breathing with or without upper airway obstructions.* Featuring a seamlessly integrated connected care system, the AirCurve 10 CS PaceWave reinvents sleep therapy, making it easier than ever to stabilise patients' breathing.



reddot design award
honourable mention 2015

PaceWave ASV therapy

- The ASV algorithm targets the patient's own recent minute ventilation.
- Learns, predicts and synchronises with the patient's breathing pattern with split second resolution.
- Rapidly increases pressure support in response to minute ventilation decrease to maintain it at the target.
- Gradually reduces pressure support to a comfortable minimum once breathing is stabilised to prevent over-ventilation and hypocapnia.
- Mandatory breaths are delivered at the patient's recent spontaneous breath rate, ie, the backup rate is automatically calculated to match the patient's needs.



Key features

Streamlined patient care

- Thanks to built-in wireless technology in the AirCurve 10 CS PaceWave, AirView™ offers daily information about how your patients are doing with their therapy. Compliance, leaks, AHI and night profile data are all at your fingertips, allowing you to identify pain points in a timely and efficient manner.
- Remote Assist enables unprecedented wireless access to device settings to troubleshoot any technical issues remotely so that many common therapy questions can be answered and resolved in minutes.

Optimal comfort

- Thanks to its Breathe Phase Mapping Technology, PaceWave tracks each patient's breath and predicts the next one, for better synchrony and natural breathing.
- The new HumidAir™ humidifier with Climate Control technology ensures a consistent humidification throughout the night.
- The large easy-to-use color screen features an intuitive menu that patients can quickly navigate on.

Optimal response to upper airway obstructions

AirCurve 10 CS PaceWave offers two different ASV modes:

- ASV mode: the expiratory positive airway pressure (EPAP) is fixed and can be manually adjusted.
- ASVAuto mode: the EPAP automatically adjusts in order 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, ResScan™ software or wirelessly through AirView. Additional 30 days of night profile data are also available remotely on AirView.
- Access to high resolution breath-by-breath flow data for a clear therapy monitoring is provided through the new version of ResScan software.

Technical specifications

Modes	CPAP, ASV, ASVAuto
Operating pressure range	4-20 cm H ₂ O (CPAP mode) 4-25 cm H ₂ O (ASV and ASVAuto 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	2G GSM
Weight (with humidifier integrated)	1248 g
90W power supply unit	Input range 100-240V, 50-60Hz, 57VA (typical power consumption), > 108VA (maximum power consumption)
Operating 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: 4L/min
Standard air filter	Polyester non woven fibre
Tubing	SlimLine™ tubing, ClimateLineAir™ tubing, Standard tubing
Air outlet	The 22mm 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 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

	UK
AirCurve 10 CS PaceWave	37280
HumidAir	37300
ClimateLineAir tubing	37296

* 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 apnoea.