

AirCurve 10 (CS Pacewave)



ASV (Adaptive Servo-Ventilation) is a form of positive airway pressure therapy that delivers auto adjusting pressure support. ASV is primarily used to treat central respiratory events, and targets patient's own minute ventilation in response to a central event.

PaceWave increases pressure support during apnoeas and hypopnoeas, when MV (minute volume) goes below target

Common conditions which may be treated with ASV include:

- Central Sleep Apnoea (CSA)
- Complex Sleep Apnoea (CompSA)
- Mixed Sleep Apnoea
- Periodic Breathing (E.g. Cheyne Stokes Respiration)

The ability to set ASVAuto helps to automatically treat patients who also experience obstructive events (apnoeas, flow limitation and snoring).

The AirCurve10 (CS PaceWave)™ is designed to keep your patients breathing stable and as close to their natural patterns as possible. It sets a suitable target minute ventilation for your patient: 90% of their most recent minute ventilation based on a three-minute moving average. When the patient's minute ventilation falls below the target, PaceWave automatically adjusts the inspiratory pressure to provide backup support. As the patient's breathing stabilises, the pressure is rapidly returned to the minimum required.

PaceWave can treat obstructive events in the upper airway. In ASV mode, the EPAP level must be set manually. In ASVAuto mode, PaceWave responds automatically to obstructive events (apnoeas, flow limitation and snoring) by adjusting the expiratory pressure to support upper airway patency.