



PHILIPS

RESPIRONICS

DreamStation

Ventilation solutions

BiPAP AVAPS

Automated. Custom.
Comfort.



The therapy your patients need. **The confidence you want.**

DreamStation home ventilation solutions automatically adapt to the unique needs of every patient, delivering excellent care night after night for the long term.

Every patient suffering from chronic respiratory disease has changing therapeutic demands. With DreamStation BiPAP AVAPS noninvasive ventilation solutions, you have the power to treat them that way. Using clinically proven therapy solutions, DreamStation noninvasive ventilators adapt to these changing patient needs, helping normalise ventilation.

Excellent patient care is simply automatic

DreamStation BiPAP ventilation systems align with your patient's breathing patterns to minimise applied pressure support, and machine breaths. And, they help you stay connected and informed with daily data on patient usage, compliance and efficacy.

Using clinically proven solutions

Proven Philips clinical innovations support custom and connected care for the unique needs of patients. You can rely on DreamStation sleep and ventilation products to meet the needs of your patients with independently verified outcomes, like being the first noninvasive ventilation solution that can automatically and simultaneously treat hypercapnia and OSA in any noninvasive ventilation mode.

An Encore performance

DreamStation BiPAP ventilation systems connect to our powerful Encore Suite patient management system. EncoreAnywhere, EncorePro and EncoreBasic makes it easy and efficient for professionals to manage patient compliance and therapy.

Delivering exceptional comfort

DreamStation home ventilation solutions are designed to deliver effective and comfortable therapy so patients can experience an improved quality of life. Using clinically proven therapy solutions, DreamStation noninvasive ventilators adapt to changing patient needs comfortably and automatically adjusting pressure support to the targeted tidal volume, helping to normalise ventilation.

Patient driven design

DreamStation's sleek, stylish, low-profile design offers the important features patients told us they wanted in a therapy device. It's small and light, making it easy to pack for travel. It features easy-to-navigate menus, a front-facing display that can be operated while lying down or sitting up in bed, as well as an easy-to-clean, one-piece humidifier water chamber.

Creating efficiencies



Simplify device evaluation

Performance Check simplifies in-home device evaluation for easy remote troubleshooting. Designed to reduce the time and frustration involved in device troubleshooting, this robust tool allows you to guide the patient through an easy remote diagnosis, resulting in a simple "Pass/Fail" result to determine if the device is operating correctly or needs to be returned for service.



Cost-effective connectivity options

The DreamStation noninvasive solution has integrated Bluetooth on every device and optional Wi-Fi and cellular modems with SpO₂ for the most comprehensive suite of connectivity options in the home ventilation market.*



Therapy success** at your fingertips

DreamMapper*** provides goal-setting tools, helpful videos and ongoing feedback to keep patients motivated and engaged. Patients can get the help they need fast, without having to use your staff's time to resolve.

*2016 internal assessment of leading competitive BiPAP devices with backup breath rate comparing Resmed Lumis and AirCurve NIV product lines

**In a retrospective review conducted by Philips Respironics of approximately 15,000 SystemOne patients, patients who used SleepMapper, which has been rebranded to DreamMapper, demonstrated 22% greater adherence to the therapy than patients who did not use SleepMapper.

***To see which therapy devices are compatible with DreamMapper, visit: www.dreammapper.com/compatible.

Innovative therapies

and powerful benefits, for your patients and you



Intuitive ventilation therapies



Average Volume Assured Pressure Support

Delivers customised patient care by automatically adapting to disease progressions and changing patient needs. Helps to maintain optimal patient comfort while supporting patient care and ventilation efficacy while simplifying the titration process.



Digital Auto-Trak

An adaptive algorithm that monitors each breath to provide personalised therapy adjustments and respond to your patients' changing conditions including:

- Adjusts ventilation to the patients natural breathing while compensating for leaks
- Adjusts breath triggering and cycling for each patient's breath as their disease progresses
- Assists with ventilator to patient synchrony and comfort without manual adjustments



Automated Airway Management in any Ventilation Mode

Automatically and dynamically manages a patient's upper airway in any ventilation mode. It continuously monitors and reacts to changes in the upper airway at the lowest possible pressure each night.



AVAPS-AE

Designed to automatically provide the lowest pressure support to meet current and future ventilator needs of the most challenging patients. This auto-titration mode has the proven performance of AVAPS, maintains a patent airway and applies an auto back-up rate.

AVAPS is proven to increase Total Sleep Time by 20% compared to manual titration for nocturnal ventilation.¹

¹Murphy, Patrick, et al. "The effect of volume targeted pressure support (PS) ventilation with autotitrating expiratory positive airways pressure (EPAP) and back up rate (BUR) on sleep quality in COPD-obstructive sleep apnoea (OSA) overlap syndrome." *European Respiratory Journal* 42.Suppl 57 (2013): P2583.

Stay connected, cost effectively



DreamStation home ventilation solutions deliver the most comprehensive suite of connectivity options among leading ventilation brands*. With integrated Bluetooth on every device and optional Wi-Fi and cellular modems, you can choose the options that are the most cost effective and the best fit for each patient.

- Wi-Fi delivers more data to clinicians more often, and provides coverage even in weak cellular areas
- Cellular provides therapy on a daily basis and one hour after the patient stopped therapy
- Bluetooth offers easy connectivity with DreamMapper and Alice NightOne home sleep testing (HST) device

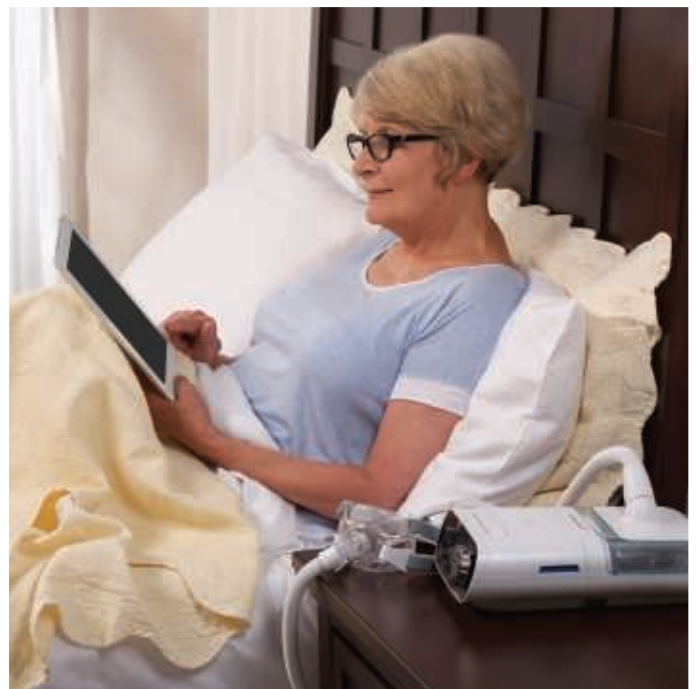
*2016 internal assessment of leading competitive BiPAP devices with backup breath rate comparing Resmed Lumis and AirCurve NIV product lines

DreamMapper

Helping patients take an active role and stay committed

DreamStation is the first noninvasive ventilation solution to provide on-demand coaching and engagement for patients through connection to the DreamMapper self-management tool.

DreamMapper helps patients take an active role in their therapy with the DreamMapper by using the mobile and web-based features to engage with their therapy and improve adherence.



Powerful, insight-inspired design

Choice of 5 ventilation modes for your basic to your more complex patients*

Integrated **Bluetooth** connectivity with option to add **cellular or Wi-Fi modem** for remote connectivity

SpO₂ oximetry

30 cm H₂O
max pressure

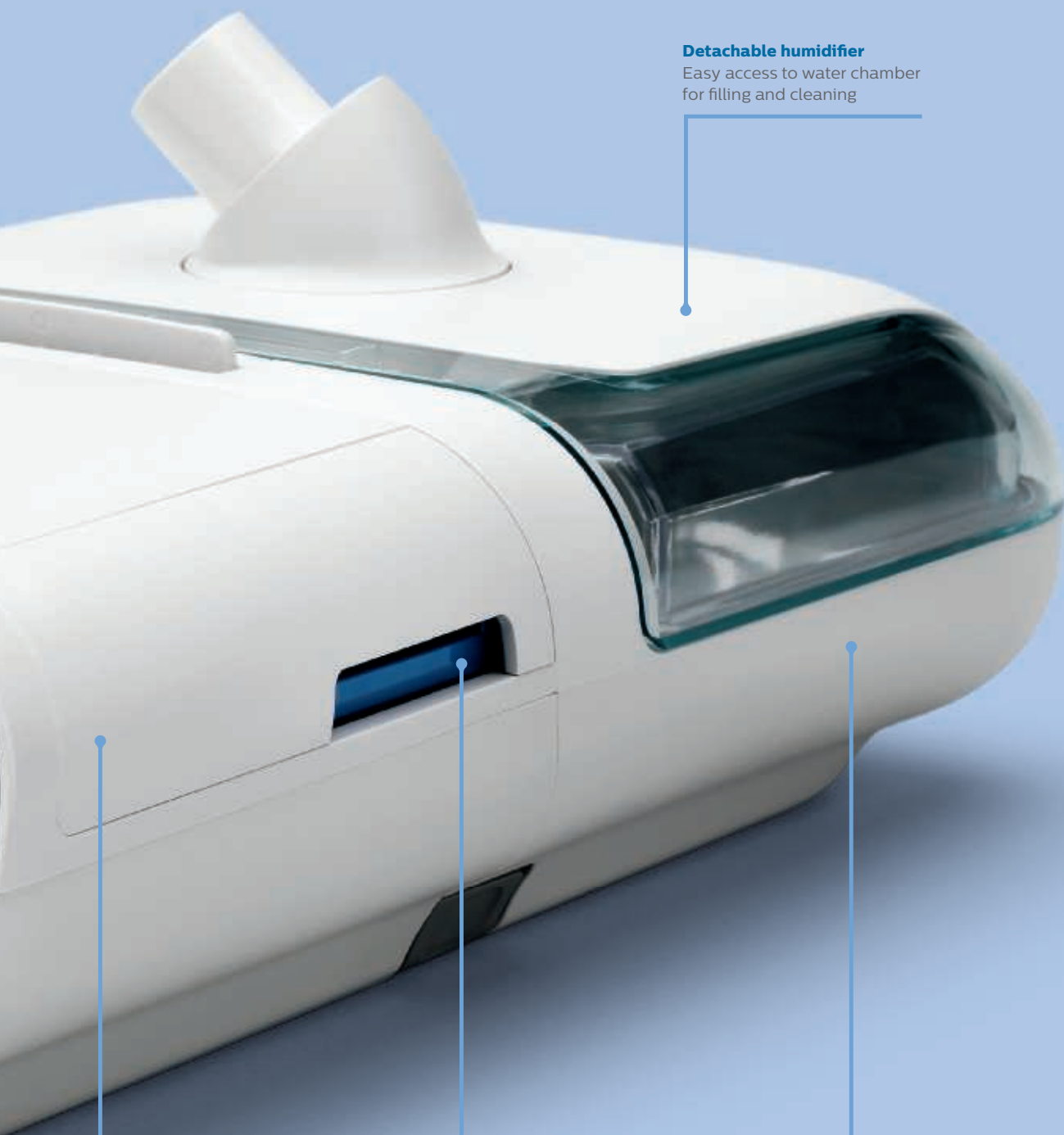
DreamMapper support for patient engagement and coaching

Continuous Flow menu navigation has an intuitive interface that provides quick, convenient access to all of DreamStation BiPAP AVAPS patient and provider features, allowing for easy set ups and real-time bedside titration.

Sleek design with easy-to-use controls

*BiPAP AVAPS





Detachable humidifier

Easy access to water chamber
for filling and cleaning

**SD card and compliance
codes** for easy sharing
of data with the patient's
care team

Two-step air filtration
system with ultra-fine
filter for very fine particles

**Optional battery
power support**

Proof you can believe in

DreamStation BiPAP AVAPS delivers customised patient care by automatically adapting to disease progressions and changing patient needs with innovatively designed ventilation features.



Equally effective

AVAPS is as effective as standard fixed bi-level pressure support (PS) ventilation accompanied by a strict protocolised (protocol) setup.¹

The addition of the AVAPS ventilation feature to BPV-S/T (Bi-level Pressure Ventilation with Spontaneous/Time Mode) provides beneficial physiological improvements, resulting in a more efficient decrease of $P_{t}CO_2$ compared to BPV-S/T therapy alone.¹



Physiological improvements

Average volume-assured pressure support (AVAPS) have been developed to ensure a more consistent tidal volume per breath while delivering the comfort and advantages of pressure support ventilation.²

AVAPS provides beneficial physiological improvements, resulting in a more efficient decrease of $P_{t}CO_2$ compared to BPV-S/T therapy alone.²

The AVAPS ventilation feature automatically provides treatment for $PaCO_2$ reduction.²

¹ Murphy, Patrick Brian, et al. "Volume targeted versus pressure support non-invasive ventilation in patients with super obesity and chronic respiratory failure: a randomised controlled trial." *Thorax* 67.8 (2012): 727-734.
With respiratory insufficiency patients diagnosed with Obesity Hypoventilation Syndrome

² Windisch, Wolfram. "Average Volume-Assured Pressure Support in Obesity Hypoventilation." *CHEST* 130 (2006): 815
With respiratory insufficiency patients diagnosed with Obesity Hypoventilation Syndrome



Innovation from the Philips Respironics Dream Family

DreamStation noninvasive ventilators are part of the Dream platform from Philips Respironics. They are designed to offer exceptional comfort, intelligent monitoring, motivation and feedback, and seamless connectivity to the care team. They feature advanced event detection and automation algorithms that anticipate and respond to your patients' individual therapy needs.

Discover the dream

To learn more about DreamStation home ventilation solutions, talk to your Philips sales representative, or call 1300 766 488.

