Innovation from the Philips Respironics Dream Family

DreamStation noninvasive ventilation is part of the Dream platform from Philips Respironics. They are designed to offer exceptional comfort, intelligent monitoring, motivation and feedback. 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, visit us online at www.philips.com/respironics.

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Specifications and contents subject to change without notice.

www.philips.com/respironics
Powerful, insight-inspired design

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

Sleek design with easy-to-use controls

Continuous Flow menu navigation has an intuitive interface that provides quick, convenient access to all DreamStation BiPAP AVAPS and S/T’s patient and provider features, allowing for easy set up and bedside titration.

30 cm H2O max pressure

30 cm H2O max pressure

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

Detachable humidifier
Easy access to water chamber for filling and cleaning

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

Equal effectiveness

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

The study of the AVAPS ventilation feature in BiPAP AVAPS (Automatic Pressure Support) ventilators demonstrates beneficial physiological improvements, resulting in a more efficient decrease of PtcCO2 compared to standard fixed bi-level pressure support (PS).

With respiratory insufficiency patients diagnosed with Obesity Hypoventilation Syndrome

AVAPS provides beneficial physiological improvements, resulting in a more efficient decrease of PtcCO2 compared to standard fixed bi-level pressure support (PS).

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


Archivio

Archivio
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 and BiPAP S/T 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 normalize ventilation.

Excellent patient care is simply automatic
DreamStation BiPAP ventilation systems align with your patient’s breathing patterns to minimize applied pressure support, and machine breaths. And, they can help you stay informed with data on patient usage, compliance and efficacy with downloaded reports.

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 normalize ventilation.

*Not available in all markets.
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.

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

Creating efficiencies

Simplify device evaluation

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Innovative therapies
and powerful benefits, for your patients and you

**Intuitive ventilation therapies**

**Average Volume Assured Pressure Support**
Delivers customized 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 personalized therapy adjustments and respond to your patients’ changing conditions including:
- Adjusts ventilation to the patient’s 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

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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.
### Specifications

<table>
<thead>
<tr>
<th>DreamStation AVAPS</th>
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<tbody>
<tr>
<td>DreamStation BiPAP AVAPS</td>
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<tr>
<td>DreamStation BiPAP AVAPS with humidifier</td>
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<td>DreamStation BiPAP AVAPS with humidifier and heated tube</td>
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<tr>
<td>DS Humidifier Dry Box Assembly</td>
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<tr>
<td>DS Humidifier Flip Lid Seal</td>
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<td>DS Humidifier Dry Box Inlet Seal</td>
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### Ordering information

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<tr>
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### Power management

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### Oximetry

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### Filters

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### Humidification

- **Heated humidification**: fixed, adaptive

### Ventilation Pressure

- **4 to 30 cm H2O (increment is .5 cm H2O)**
- **EPAP: 4 to 25 cm H2O (increment is .5 cm H2O)**
- **CPAP max pressure is 20 cm H2O**

### CPAP, S, S/T

- (For DreamStation BiPAP S/T)
- **CPAP, S, S/T, T, PC**
  - (For DreamStation BiPAP AVAPS)

### Breaths per Minute

- 1 to 30 (increment is 1 breath)

### Digital Auto-Trak

- No settings – fully automated triggering, cycling and leak compensation

### AVAPS

- **For DreamStation BiPAP AVAPS only**

### Target volume

- 200 to 1500 ml per breath (increment is 10 ml)
- **Max. IPAP: 6 cm H2O to 30 cm H2O**
- **Min. IPAP: EPAP plus 2 cm H2O to 30 cm H2O**
  - (Minimum Pressure support is 2 cm H2O)

### Inspiration Time

- 5 to 3.00 seconds (increment is 1 seconds)

### Rise Time

- 1 to 6

### Ramp Time

- 5 to 40 minutes (increment is 5 minutes)

### Flex Pressure Relief

- 0 to 3 (only in S-mode)

### Humidification

- Heated humidification, fixed, adaptive
  - (standard 15mm or 15 mm heated tube)

### Humidification capacity (minimum)

- **DS humidifier**
- **DreamStation water chamber**
- **DS humidifier dry box assembly**
- **DS humidifier flip lid seal**
- **DS humidifier dry box inlet seal**

### Oximetry

- **Link module**
- **Nonin SpO2 assembly**
- **Reusable finger sensor (clip)**
- **Oximetry finger sensor, adult, flex**
- **Flexiwrap, sens tape, adult, 25/pk**
- **Reusable finger sensor (soft), medium**
- **Reusable finger sensor (soft), small**

### Prescription guidelines

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### Ventilation Features

- **Digital Auto-Trak**
  - No settings – fully automated triggering, cycling and leak compensation

### AVAPS

- **For DreamStation BiPAP AVAPS only**

### Target volume

- 200 to 1500 ml per breath (increment is 10 ml)
- **Max. IPAP: 6 cm H2O to 30 cm H2O**
- **Min. IPAP: EPAP plus 2 cm H2O to 30 cm H2O**
  - (Minimum Pressure support is 2 cm H2O)

### Inspiration Time

- 5 to 3.00 seconds (increment is 1 seconds)

### Rise Time

- 1 to 6

### Ramp Time

- 5 to 40 minutes (increment is 5 minutes)

### Flex Pressure Relief

- 0 to 3 (only in S-mode)

### Humidification

- Heated humidification, fixed, adaptive
  - (standard 15mm or 15 mm heated tube)

### Power management

- **DreamStation 80W power supply**
- **Shielded DC cord**
- **PAP Lithium Ion Battery Kit**

### Oximetry

- **Link module**
- **Nonin SpO2 assembly**
- **Reusable finger sensor (clip)**
- **Oximetry finger sensor, adult, flex**
- **Flexiwrap, sens tape, adult, 25/pk**
- **Reusable finger sensor (soft), medium**
- **Reusable finger sensor (soft), small**

### Travel

- **Universal PAP/laptop travel briefcase**
- **DreamStation replacement carrying case**

### Electrode

- **Electrode**
- **Electrode**
- **Electrode**

### Filters

- **Pollen filter, reusable (1 per pack)**
- **Ultra-fine filter, disposable (1 per pack)**
- **Ultra-fine filter, disposable (6 per pack)**

### Part number

- **DSXH**
- **1122520**
- **1120617**
- **1120613**
- **1122447**
- **1122519**

*Includes a rechargeable lithium ion battery pack, a PAP device cable, and a battery case.*
Powerful, insight-inspired design

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Sleek design with easy-to-use controls

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

30 cm H2O max pressure

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

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

Sleek design with easy-to-use controls

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

Proving you can believe in

DreamStation BiPAP AVAPS delivers customized 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 (FPS) ventilation accompanied by a strict protocolised (protocol) setup.

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 PtcCO2 compared to BPV-S/T therapy alone.

Physiological improvements

AVAPS provides beneficial physiological improvements, resulting in a more efficient decrease of PtcCO2 compared to standard bi-level pressure support ventilation (BPV-S/T).

The AVAPS ventilation feature automatically provides treatment for PaCO2 reduction.

AVAPS provides beneficial physiological improvements, resulting in a more efficient decrease of PtcCO2 compared to standard bi-level pressure support ventilation (BPV-S/T).

*BiPAP AVAPS

Reference:


With respiratory insufficiency patients diagnosed with Obesity Hypoventilation Syndrome

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