

## SPECIFICATIONS

### Characteristics

**Pressure output :** 4 cm H<sub>2</sub>O to 20 cm H<sub>2</sub>O (+/- 0,5 cm H<sub>2</sub>O)

**Max. flow for 1cmH<sub>2</sub>O pressure drop at the patient output :**  
200 lpm at 20 cmH<sub>2</sub>O without humidifier

**Noise level :** <30 dB measured with an uncertainty of 2 dB according to ISO 17510-1:2002

**Mode of operation :**  
DreamStar Info : Constant pressure  
DreamStar Auto : Constant pressure, Auto adjusting pressure

**Ramp duration :** 0 to 45 minutes adjustable by 5 minutes

**Comfort pressure :** 4 cm H<sub>2</sub>O to prescribed pressure

**Humidifier chamber capacity :**  
300 ml at the maximum water level

**Heater adjustable range and wattage :**  
0 to 10 adjustable (40 Watts at setting 10)

### Physical Characteristics

**Size :** 20 cm wide X 23 cm deep X 12 cm high

**Weight :** 1,5 kg with humidifier; 1,4 kg without humidifier

**Filter :** Cleanable standard or disposable HEPA

## ORDERING INFORMATION

### Products and accessories

Products and accessories	Reference
DreamStar Info (includes patient circuit 1,8 m and carrying case)	M-115501- UK
DreamStar Info Evolve w/ water chamber (includes patient circuit 1,8 m and carrying case)	M-115521- UK
DreamStar Info Evolve w/ cover (includes patient circuit 1,8 m and carrying case)	M-115511- UK
DreamStar Auto (includes patient circuit 1,8 m and carrying case)	M-115502- UK
DreamStar Auto Evolve w/ water chamber (includes patient circuit 1,8 m and carrying case)	M-115522- UK
DreamStar Auto Evolve w/ cover (includes patient circuit 1,8 m and carrying case)	M-115512- UK
Water chamber DreamStar (includes base, cover and gasket)	M-315510-14
DreamStar CPAP cover	M-315530-19
Filter holder kit	M-314820-02
Air intake reusable filter / 96 pcs	M-414840-06
High efficiency disposable filter / 100 pcs	M-414841-07

### Power characteristics

**Power supply :** Input range 100-240 V, 50-60 Hz

**Power supply on battery :** 13 V

**Power consumption :**  
50 VA max without humidifier; 90 VA with humidifier at maximum setting

**IEC 60601-1 classification :**  
Class II (double isolation) Type BF

### Environmental requirements

**Operating temperature**  
5°C to 35°C, 10% to 95% relative humidity (RH), non-condensing

**Storage temperature :**  
-20°C to 60°C, relative humidity (RH) ≤95%, non-condensing

**Operating altitude :** from sea level to 2700 meters

### Compliant Standards

ISO 17510-1; IEC 60601-1-2 ; ISO 8185; IEC 60601-1-4; IEC 60601-1-6

### Products and accessories

Products and accessories	Reference
Carrying case DreamStar	M-815505-00
Power supply cord DreamStar- UK	M-660600-40
DreamStar cigarette lighter cable	M-214530-01
DreamStar battery cable	M-214530-00
Patient circuit 1,80 m for CPAP (X 10)	M-261000-04
Patient manual DreamStar range	M-155DFU00-00
Practitioner manual DreamStar Evolve	M-155DFU00-40

### Data Management

DreamStar Analyze software	M-215630-00
Clinical kit DreamStar range	M-215630-01
Memory card	M-215530-00
Memory card reader	M-214830-03
User manual	M-156DFU00-20

For more information contact us at the following addresses :  
customerservice@sefam-medical.com  
marketing@sefam-medical.com

DreamStar™ is a trademark of HEALTHC'AIR



# DreamStar™ Info & Info Evolve DreamStar™ Auto & Auto Evolve

## Continuous Positive Pressure Auto CPAP



DreamStar™ Auto

DreamStar™ Info & Auto are designed to maximize comfort and patient compliance with the therapy. The technological innovations allow an easy adaptation and follow up of the treatment.

Both DreamStar™ Info & Auto detect apneas, hypopneas, inspiratory flow limitation and snoring. The differentiation between obstructive and central events and the leak level detection allow the clinician to evaluate the effectiveness of the therapy treatment.

## CONFIGURATIONS

The DreamStar™ Info & Auto have a configuration without humidifier and the DreamStar™ Info & Auto Evolve with an integrated heated humidifier. The Evolve configurations may be used either with a water reservoir for humidification or without humidification by replacing the water reservoir with a cover.



DreamStar™ Auto Evolve w/ water reservoir



HEALTHC'AIR

Manufacturing plant, 10 allée Pelletier Doisy - 54600 VILLERS-LES-NANCY - FRANCE  
Legal entity, 144 avenue Charles de Gaulle - 92200 NEUILLY sur SEINE - FRANCE

BRO031-00 / 2011

**Specific AUTO-CALIBRATION function** ensures that the prescribed pressure is delivered at the patient's interface. This makes the device compatible with almost any combination of mask and patient circuit of 22mm or 15mm diameter.

**COMFORT CALIBRATION (CC+) function** optimizes patient comfort on CPAP or Auto-CPAP mode. This is accomplished by adjusting the pressure delivered to the patient's breathing cycle without compromising the effectiveness of delivered treatment. This technology, based on the principles of auto-calibration function, may increase the pressure during inhalation and lower pressure during exhalation. These variations naturally adapt to the patient's respiratory cycles.

**The Auto-CPAP mode.** Reclaiming the experience, this algorithm makes the DreamStar™ Auto to respond to obstructive events such as inspiratory flow limitation and snoring. The differentiation between obstructive and central events allows the device to always deliver the optimum pressure without risking the effectiveness of the applied pressure. The pressure will not rise in the event of apneas or hypopneas known as central.

### EASE OF USE

The design features of DreamStar™ Info & Auto facilitate the easy use of the devices. They include automatic reminders, quiet operation and front screen illuminated retro buttons with automatic extinction of the backlight. The settings can be uploaded to the device via the DreamStar data card.

The result is a device easily adaptable to everyday users, ensuring performance, comfort and ease of use.



### COMPLIANCE DATA MANAGEMENT

Compliance data are stored for 365 days in the internal memory of the device. The last 16 hours of the patient's actual flow data provides in addition extra useful information about the effectiveness of the therapy.

The **DreamStar™ Analyze software** is a user friendly software which enables downloading, analyzing and printing the compliance data to a fully configurable report. The data can be retrieved either entirely by using the mini USB DreamStar cable or through the DreamStar memory card for the last 40 eight-hour sessions.

### DREAMSTAR WATER & HUMID CONTROL TECHNOLOGY

The innovative design of the water reservoir "DreamStar Water Control" and the automatic humidification system "Humid Control" provide a new concept in water management. This prevents the risk of water return to the devices and minimizes condensation in the patient circuit to maintain a stable level of humidification overnight, for a therapy combining comfort and optimal efficiency.

### COMPACT DESIGN

DreamStar™ Info & Auto in the *Evolve* configuration have a fully integrated heated humidifier for enhanced breathing comfort, while remaining one of the most compact devices in the market. The humidifier is located at the rear of the devices with its water reservoir. The reservoir and the air inlet filter are easy to remove for cleaning.

The fully integrated power supply and heated humidifier makes DreamStar™ Info & Auto *Evolve* one of the lightest devices in the market. This ensures maximum comfort while using the device, either when travelling or being at home.

### FUNCTIONALITIES

#### Ease of use

- Front-facing screen
- Auto reminder settings
- Large, backlit buttons
- Multilingual menu
- Can run on external battery (by-pass humidification option)
- Download compliance data via DreamStar™ card
- Upload settings via the DreamStar™ card
- Complete software analysis DreamStar™ Analyze

#### Technologies

- Specific Auto-calibration function
- Comfort Calibration mode CC+
- Auto-CPAP mode for DreamStar Auto
- DreamStar Water & Humid Control+ in the *Evolve* configuration

#### Fully integrated

- Integrated HC humidifier
- Single electrical connection for both device and heated humidifier

#### Automated

- Automatic altitude and barometric pressure change compensation
- Universal internal power supply
- Automatic leak compensation