

# SleepStyle™ 600

## CPAP SERIES

Thermo  
Smart™

### Specification Sheet

### An Optimal CPAP Solution



*The SleepStyle™ 600 CPAP Series with innovative design delivers:*

- *Optimal humidification with ThermoSmart™ Technology*
- *Optimal patient comfort and reliability for a better night's sleep*
- *Optimal clinical, patient-care and commercial results*

# Smart Technology for Optimum Results

The **SleepStyle™ 600 CPAP Series** – an integrated CPAP family with the unique and most advanced CPAP humidification technology, **ThermoSmart™** - delivers **optimal** sleep performance for **optimal** therapy results.



Figure 1:  
ThermoSmart™ Heated Breathing Tube

## CLINICAL RESULTS

Until today the benefits of humidification<sup>1</sup> in CPAP therapy have been compromised by changing ambient temperature. Changes in temperature cause condensation and mask pressure instability in addition to humidity loss in therapy.

**ThermoSmart™ Technology**, with its heated breathing tube adapted from sophisticated intensive care humidification, delivers higher and customized humidity levels that are maintained throughout the night, regardless of ambient temperature change. **ThermoSmart™ Technology** provides optimal patient comfort and therapy effectiveness through:

- **Prevention of condensation\*** and
- Absolute mask pressure **stability**, but also
- **Optimal** humidity delivery in all environments

Research has shown that CPAP users experience mouth leak up to 31% of total sleep time.<sup>3</sup> Mouth leak is known to cause excessive drying of the nasal mucosa and congestion due to increased nasal airway resistance.<sup>4,5</sup> Humidity levels of 30 mg/L (absolute) at 30 °C have shown to prevent any increase in nasal airway resistance following a mouth leak.<sup>5</sup>

These levels (Figure 2) represent the natural conditions of the upper airways during inspiration that should be matched in the output of gas delivery systems.<sup>6</sup>

Conventional humidifiers are unable to supply these levels. A typical conventional humidifier will only provide humidity levels of approximately 18 mg/L (absolute) at 22 °C. Any efforts to increase this will only result in condensation.

Optimal humidity delivery is only possible with ThermoSmart™ Technology. It results in optimal sleep performance due to higher comfort levels leading to improved patient acceptance and compliance.

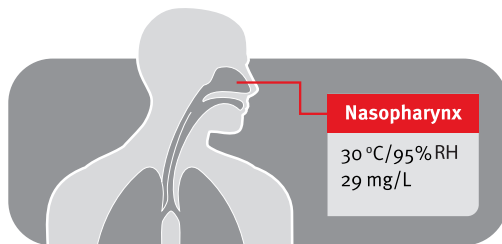


Figure 2:  
Adapted from Chatburn R, Primiano F A, 1987

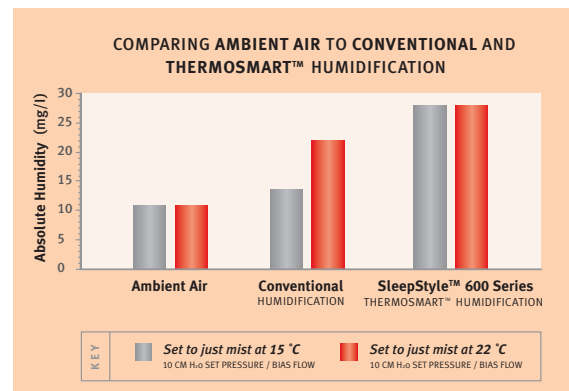


Figure 3: Comparing humidity levels of ambient air with conventional and ThermoSmart™ Humidification

\* Subject to the operating conditions specified in the applicable Operating Manual.



An intuitive navigation menu is common across all models.

**PATIENT CARE RESULTS**

The **SleepStyle™ 600 CPAP Series** has been designed for integrated simplicity and optimum patient comfort.

**Its simplicity ensures quick and easy:**

- Set-up and use
  - Cleaning and maintenance,
- while patients continue to receive the most **comfortable therapy** due to the customizable levels of warmth and moisture.

Travel needs are satisfied with a **compact and robust** CPAP that allows for altitude adjustment and voltage compatibility in most countries of the world.

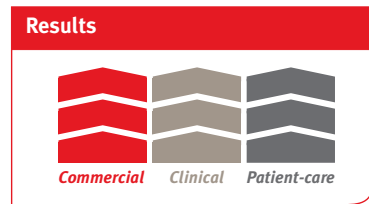
**COMMERCIAL RESULTS**

The time-saving features of the **SleepStyle™ 600 CPAP Series** meet your business needs. They include **minimized setup times and patient follow-up issues:**

- Intuitive navigation menu including one-step operation to adjust humidity
- Patient compliance monitoring generates a one-page report via a quick telephone call, or a more comprehensive report by machine download
- Optimal humidity delivery ensures unsurpassed levels of patient comfort leading to increased acceptance and compliance

**Value-added features to increase compliance:**

- **ThermoSmart™** – patented unique heated breathing tube technology for optimal humidity independent of ambient conditions
- **Proportional ramp** – short term pressure relief to allow initiation of sleep



Our business, like yours, is all about results. Optimal results come from a range of high-performance features.



SleepStyle™ 600 CPAP Series

The table below shows the range of performance features available in the SleepStyle™ 600 CPAP Series

SleepStyle™ 600 Series		Units*	
Performance Category	Performance Feature	604	608
Humidification Delivery	<b>A</b> Fully Integrated System	●	●
	<b>B</b> ThermoSmart™ Technology	●	●
Performance Logging	<b>C</b> Compliance Maximizer™ Software	●	●
	<b>D</b> TitrationMaximizer™ II Software	●	●
Pressure Control	<b>E</b> Altitude Adjustment Control	Manual	●
		Automatic	●
	<b>F</b> Leak Compensation		●

\* Some models not available in all countries

# SleepStyle™ 600

## CPAP SERIES

- **THERMOSMART™ TECHNOLOGY** is customizable and represents the most advanced form of humidified CPAP treatment by incorporating a heated breathing tube.
- **PERFORMANCE** - improved CPAP performance features of the SleepStyle™ 600 CPAP Series include:
  - Performance Logging with Compliance Maximizer™ Software
  - Manual/automatic Altitude Adjustment
  - Leak Compensation (available in SleepStyle™ 608)
  - Pressure Control feature via TitrationMaximizer™ II Software or Remote Control
- **SIMPLICITY AND EASE OF USE** - The all-new intuitive menu, quiet operation and compact design add up to a quick and easy set-up.



The SleepStyle™ 600 CPAP Series will help you provide 24-hour wellness for your patients. Advanced technologies deliver the best in sleep performance for an energized lifestyle. For more information or to view our complete SleepStyle™ CPAP family, visit [www.fphcare.com](http://www.fphcare.com).



### SLEEPSTYLE™ 600 CPAP SERIES PACK INCLUDES:

- CPAP unit with ThermoSmart™ Technology
- Carry Bag
- 2 Standard Chambers
- 900HC522 ThermoSmart™ Heated Breathing Tube
- 900HC240 Air Filter - (2 Pack)

### ACCESSORIES

- HC365S** Standard Humidification Chamber for SleepStyle™ 600 CPAP Series, 600ml capacity
- HC360\*** Extended Life Humidification Chamber for SleepStyle™ 600 CPAP Series. Removable base and chamber dome, dishwasher safe, non autoclavable, 600ml capacity
- 900HC522** ThermoSmart™ Heated Breathing Tube
- 900HC240** Air Filter (2 Pack)
- 900HC230** Compliance Maximizer™ Software
- 900HC232** Compliance Download Serial Cable
- 900HC607** TitrationMaximizer™ II Software
- 900HC236** Isolated Serial Adaptor
- 900HC226** Extension Cable

### PRODUCT SPECIFICATIONS

- Dimensions:** 273mm x 170mm x 175mm (10.7" x 6.7" x 6.9")
- Weight:** 2.1kg (4.6lbs) unit only
- Chamber Capacity:** 600ml
- Electrical Ratings:**  
Supply Frequency: 50-60Hz  
Voltage Current: 100-115V ~ (1.5A, 1.7A max)  
220-240V ~ (1.0A, 2.0A max)
- Operating Pressure:** 4-20cm H<sub>2</sub>O
- Inverter:** 115V - 200W/300W surge  
230V - 300W/500W surge



SleepStyle™ 600 CPAP SERIES

\* Not available in all countries

**REFERENCES:** 1. Massie, CA, Hart RW, Peralez K et al. Effects of humidification on nasal symptoms and compliance in sleep apnea patients using continuous positive airway pressure. *Chest* 1999; 116(2): 403-8. 2. Bacon JP, Farney RJ, Jensen RL et al. Nasal continuous positive airway pressure devices do not maintain the set pressure dynamically when tested under simulated clinical conditions. *Chest* 2000; 118 (5):1441-9. 3. Martins De Araujo MT, Vieira SB, Vasquez EC et al. Heated humidification or face mask to prevent upper airway dryness during continuous positive airway pressure therapy. *Chest* 2000; 117 (1):142-7. 4. Hayes MJ, McGregor FB, Roberts DN et al. Continuous nasal positive airway pressure with a mouth leak: effect on nasal mucosal blood flux and nasal geometry. *Thorax* 1995; 50 (11):1179-82. 5. Richards GN, Cistulli PA, Ungar RG et al. Mouth leak with nasal continuous positive airway pressure increases nasal airway resistance. *Am J Respir Crit Care Med* 1996; 154 (1):182-6. 6. Chatburn R, Primiano F. A Rational Basis For Humidity Therapy. *Respiratory Care* 1987; 32 (4):249-54.

### FOR MORE INFORMATION, PLEASE CONTACT YOUR LOCAL FISHER & PAYKEL HEALTHCARE REPRESENTATIVE:

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