



Comfort through flexibility

Highly-adaptable System One humidification plus a Heated Tube option provide more ways for patients to get comfortable.

Building on our highly successful System One humidification, Philips Respironics introduces an additional humidification solution that enhances performance, flexibility and comfort. With the System One Heated Tube, we now have a solution for exceptional patient comfort.

There's no heated debate

System One with Heated Tube provides patients with;

- Air temperature control
- Improved humidification
- Rainout protection

There's little debating, the System One Heated Tube, combined with proven System One humidification, is a win-win scenario for patients and providers alike.



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Get warm and cozy with System One Heated Tube

It's just the right combination of warmth and humidity

The System One device incorporates a room temperature and humidity sensor with a temperature sensor at the end of the Heated Tube to deliver the selected level of humidity to the patient while providing protection against rainout. As a result, higher levels of humidity can be achieved for patients who could benefit from humidification.

With System One Heated Tube, you get increased humidification plus the rainout protection you've come to trust and expect from Philips Respironics.



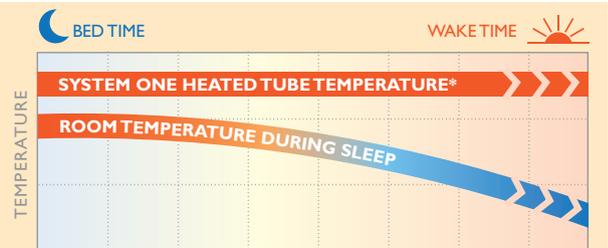
A top-notch design

System One Heated Tube was designed with:

- top-mounted connection for easy access
- durable, simple one-click connection
- 270-degree swivel mount

More than a number

Humidification is now more personalized with System One Heated Tube. It allows patients to select their preferred humidity and temperature levels throughout the night, regardless of changing room conditions.



* 5 temperature settings available

Ordering Information	Product number
REMstar Auto A-Flex	US: DS560TS
with Heated Tube Humidifier	Canada: CA561TS
Accessories	Part number
System One Heated Tube	SYS1HT15
Water Chamber	1063785
80 watt Power Supply	1091399
Power Cord	1005894

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Proven flexibility

The Philips Respironics Flex Family of technologies keeps adjusting to meet patient and professional needs.



Our natural and clinically-proven technologies that enhance traditional pressure therapy – C-Flex, Bi-Flex, A-Flex, and now C-Flex+ in our fixed-CPAP advanced units – are an excellent way to establish improved patient comfort and increased compliance.

A promise of performance.

Our Flex Promise Program promises that if any patient is noncompliant on C-Flex or A-Flex technology, upon return of the unit with C-Flex or A-Flex technology, we will provide a 100% credit of the corresponding unit purchase price to the homecare provider to be applied toward the purchase of a Respironics bi-level OSA device with Bi-Flex. Some restrictions apply.

Smarter patient care.

Smarter business.

As the cornerstone of our commitment to help you break through emerging clinical and industry barriers, this new system from Philips Respironics has been designed to deliver much more than effective therapy; it's been created to bring all-new levels of control, compliance, and efficiency to you with less complexity. Clinical studies show patients on Flex use their therapy on average more than four hours per night at both 30 and 90 days compared with an average of less than four hours per night when using traditional CPAP.¹ In the end, we hope you'll agree that we've achieved our mission: to create a system that is simply brilliant.

The Flex Family of technologies is a smarter therapy choice thanks to our advanced Digital Auto-Trak algorithm. It is intelligent enough to detect the onset of inspiration and expiration – to deliver the right amount of pressure relief at just the right time – making it easier for patients to adapt to therapy.

Find the right choice for your patient.

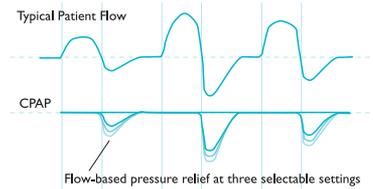
Each Philips Respironics Sleep Therapy System device has an on-board Flex Demo mode to allow patients to feel the difference for themselves. It's as easy as pressing a button.



¹ Aloia, M.S., et al., *Chest* 2005;127:2085-2093

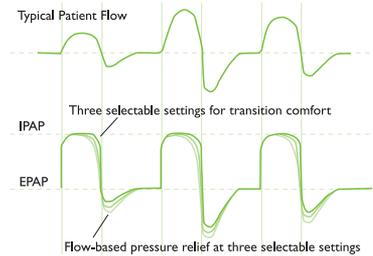
The Flex Family of technologies

C-Flex pressure profile



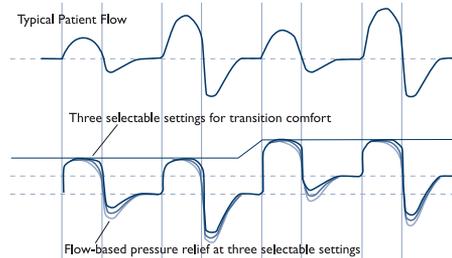
C-Flex technology provides flow-based pressure relief at the beginning of exhalation and adjusts as needed on a breath-by-breath basis. The level of pressure relief varies based on patients' expiratory flow and which of the three C-Flex settings has been selected by the patient.

Bi-Flex pressure profile



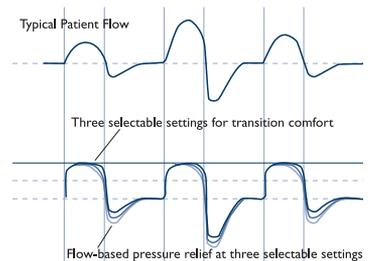
Bi-Flex pressure relief technology offers pressure relief at inhalation and exhalation to make BiPAP therapy more like natural breathing. By tracking each breath, Bi-Flex pressure relief technology delivers pressure relief at three critical points in the breathing cycle: the transition from exhalation to inhalation, the transition from inhalation to exhalation, and during exhalation.

A-Flex pressure profile



A-Flex is designed to work with our clinically-proven auto-CPAP algorithm to improve comfort even more by matching pressure delivery to the patient's entire breathing cycle. Like C-Flex, A-Flex provides flow-based pressure relief at the beginning of exhalation. Like Bi-Flex, A-Flex softens the pressure transition from inhalation to exhalation to provide additional comfort in an auto-CPAP mode. The pressure profile mirrors the patient's breathing, and with the auto algorithm intelligence, it will respond to the patient's therapeutic need throughout the sleep session.

C-Flex+ pressure profile



Another smart step forward: C-Flex+

C-Flex+ is our newest enhancement to comfort relief for our advanced CPAP units (REMstar Pro and Auto) when in fixed CPAP mode. Like C-Flex, C-Flex+ provides flow-based pressure relief at the beginning of exhalation. Like A-Flex, C-Flex+ softens the pressure transition from inhalation to exhalation to provide additional comfort in fixed-CPAP mode.

Learn more about our clinical validation of improved compliance with our Flex technologies by visiting www.philips.com/respironicflexfamily.

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Comfort and control

System One Humidity Control and Dry Box enhance patient comfort and device performance.



Other manufacturers' devices only monitor, and adjust for, room temperature; as a result, frequent rainout may occur.

Delivering consistent humidity levels while establishing reliable water management can add up to improved patient compliance and fewer callbacks.

System One Humidity Control

System One Humidity Control has been designed with enhanced intelligence to establish optimum patient comfort and device performance. Patients select one of five dial settings to receive a consistent delivery of relative humidity at the mask to meet their personal needs. For additional comfort, System One now has improved absolute humidity and target relative humidity levels across all humidifier dial settings. In addition, a new "classic" mode provides the ability to shut off humidity control, if preferred.

Breakthrough technology that eliminates rainout*

Using advanced sensing technologies, System One Humidity Control closely monitors room temperature, room humidity, and flow to determine what is required to maintain the patient-selected relative humidity level – even when environmental conditions change. By controlling relative humidity output at the mask, System One Humidity Control can prevent rainout.* With such intelligent control, our other comfort technologies, such as Flex, perform at their peak, providing maximum comfort and encouraging long-term compliance.

*Under most circumstances



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Dry Box technology



Dry Box technology keeps water only where needed

Through a combination of our cleverly-designed water chamber plus the advanced Dry Box design, the risk of water ingress into the device is virtually eliminated – and so are the related callbacks. Even when fully filled,* the water chamber can be tilted or turned upside-down without leaking back into the device. Should any water manage to escape the chamber, the Dry Box prevents it from entering the device.



*Filled to "FULL" indicator line

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Quiet comfort

With the quieter System One, everyone can sleep easier.

Everyone benefits from System One's dramatic noise-reduction enhancements. By making our Flex Family of comfort technologies even quieter, patients and their bed partners get a more restful, comfortable night's sleep and may find it easier to comply with sleep apnea treatment. Providers and clinicians may get fewer callbacks and complaints.

A quieter System One

While everyone values peace and quiet at bedtime, the level of noise generated by many sleep therapy systems makes it difficult for patients – and their bedmates – to find either peace or quiet. And when patients can't sleep, their compliance declines and their complaints to providers and clinicians may rise. That's why we improved the most intelligent sleep therapy system on the market – our System One – by significantly reducing its noise levels while the patient is breathing.

How did we do it? By listening closely to patients, providers and clinicians. What we heard inspired us to develop a number of technical innovations that make System One even quieter than before.

Reducing noise in the delivery of comfort

The most significant System One enhancement is the addition of our advanced new WhisperSmart technology, designed to make our industry-leading Flex Family of pressure relief technologies operate more

quietly. It's an unbeatable combination, with patented, flow-based Flex technology automatically delivering the right amount of pressure relief on a breath-by-breath basis, and WhisperSmart technology bringing noise levels down even farther.

Proven results, supported by laboratory testing

Some devices seem to be quiet when turned "on" but not connected to a patient. In contrast, our enhancements to System One make it one of the quietest devices on the market when it matters most: when patients are breathing on it, and actively using it to improve their ability to get a restful night's sleep.

But don't take our word for it: testing by an independent, third-party laboratory shows that the System One REMstar Auto is quieter than the ResMed S9 AutoSet.

The results speak for themselves

System One is 25% quieter than the S9*

This graphic shows the results of the noise comparison between the System One and the ResMed S9 devices during lab testing. It paints a very clear picture of the difference between the two systems while breathing. Without a doubt, System One is quieter. In fact, on average, System One is 25% quieter than the S9 during simulated breathing conditions.

With or without a humidifier, and at varying comfort relief settings, System One outperformed the S9 in an area critical to patient compliance – the ability to operate quietly when in use.

*Models tested: Philips Respironics System One REMstar Auto and ResMed S9 AutoSet.

Noise while breathing – System One vs. ResMed S9*



System One: less is more

With Flex and WhisperSmart technologies and a host of other innovative, patient-centric features, it's easy to see why the industry's most intelligent sleep therapy system is the smart choice. While the new, dramatically quieter System One provides more comfort and flexibility, it also provides less. Less nighttime interruption for patients and their bed partners. And potentially less complaint and callback aggravation for providers and clinicians. Because when it comes to noise, less really is more.

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