



# Smarter comfort

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 improve patient comfort.

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.

**Superior comfort.**

**Unsurpassed efficacy.**

Clinical studies have shown that C-Flex users reported greater mask comfort<sup>1</sup> with equivalent resolution of respiratory events compared to CPAP<sup>1,2</sup> Furthermore, low complier patients on CPAP can improve their adherence when using C-Flex<sup>3</sup>

Although pressure relief is provided as appropriate to greatly enhance patient comfort, it has been shown that there are no induced respiratory events when using C-Flex compared to CPAP<sup>4</sup>

<sup>1</sup> Rosenthal, *Sleep Breath* 2009

<sup>2</sup> Nilius, *Chest* 2006

<sup>3</sup> Pepin, *Chest* 2009

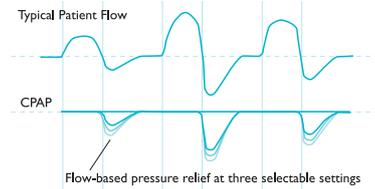
<sup>4</sup> Penzel, *Somnologie* 2006

**PHILIPS**

**RESPIRONICS**

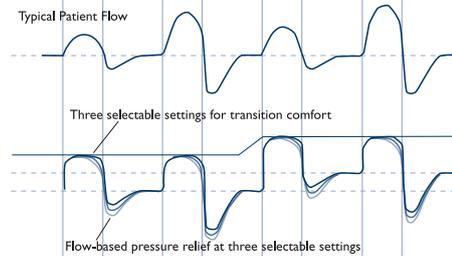
# The Flex Family of technologies

## C-Flex pressure profile



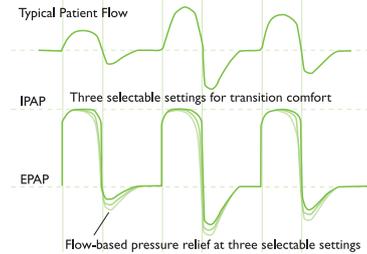
**C-Flex** technology adjusts as needed on a breath-by-breath basis providing flow-based pressure relief at the beginning of exhalation and returning to therapeutic pressure just before the end of exhalation.

## A-Flex pressure profile



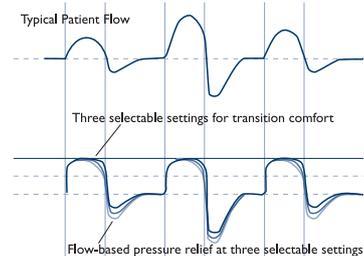
**A-Flex** is designed to improve patient comfort even more by matching pressure delivery to the entire breathing cycle. A-Flex provides flow-based pressure relief at the beginning of exhalation and softens the pressure transition from inhalation to exhalation to provide additional comfort. A-Flex works with our clinically-proven auto-CPAP algorithm which responds to the patient's therapeutic need throughout the sleep session.

## Bi-Flex pressure profile



Breath by breath, **Bi-Flex** technology makes BiPAP therapy more like natural breathing. Bi-Flex 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 early exhalation.

## 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. C-Flex+ provides flow-based pressure relief at the beginning of exhalation and softens the pressure transition from inhalation to exhalation to provide additional comfort.

With Flex technologies, the level of pressure relief varies based on patients' expiratory flow and which of the three Flex settings has been selected.

Respironics, A-Flex, Auto-Trak, Bi-Flex, BiPAP, Flex Family, and REMstar are trademarks of Respironics, Inc. and its affiliates. The C-Flex mark is used under license. Covered by one or more patents. Other patents pending.



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CAUTION: US federal law restricts these devices to sale by or on the order of a physician.

Hoech KW 00/00/09 MCI 4102612 PN 1065624

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