ONeal Medical - CPAP Plus

Regarding Minimum Pressure Support for Auto Bilevel

We often see auto bilevel prescriptions that request a 'minimum pressure support.' However, ONeal Medical's supplier of auto bilevel machines, the Resmed AirCurve10 VAuto, *does not require minimum pressure support to be defined*; instead, the device automatically adjusts it based on Resmed's proprietary algorithm. Thus, a prescribed <u>minimum pressure support</u> is unnecessary for the Resmed AirCurve10 VAuto.

With Resmed, maximum pressure support is set to patient comfort, with a default setting starting at 4 cm H_2O (or greater).

Below is an excerpt from page 10 of the <u>Resmed Script Conversion Guide,</u> which clarifies the difference between settings commonly prescribed for Philips and Resmed machines. The entirety of this document is available at onealmed.com/sleep.

Scripted therapy mode: Auto-bilevel

Mode	Philips	ResMed recommended setting		Mode
Auto-bilevel	DreamStation Auto BiPAP	AirCurve 10 VAuto	Conversion formula	VAuto
	IPAP Max (4–25 cm H_2O)	Max IPAP (4–25 cm H_2O)	Max IPAP = IPAP Max	Note: CPAP and S modes also available on device
	EPAP Min (4–25 cm H_2O)	Min EPAP (4–25 cm H_2O)	Min EPAP = EPAP Min	
	PS Min (0–8 cm H_2O)			
	PS Max (0–8 cm H_2O)	PS (0–10 cm H_2O)	Adjust PS for comfort; selected PS should not exceed Max PS and should ideally be 4 cm H_2O or greater to provide expiratory relief	
	Flex (Bi-Flex, None)			
	Flex Level (1, 2, 3)			

Example

Mode	Philips	ResMed	Conversion formula	Mode
Auto-bilevel	DreamStation Auto BiPAP	AirCurve 10 VAuto	Conversion formula	VAuto
	IPAP Max: 25 cm H_2O	Max IPAP: 25 cm H_2O	Max IPAP = IPAP Max	
	EPAP Min: 6 cm H_2O	Min EPAP: 6 cm H_2O	Min EPAP = EPAP Min	
	PS Min: 0			
	PS Max: 6	PS: 4 cm H_2O	Adjust PS for comfort; selected PS should not exceed Max PS and should ideally be 4 cm H_2O or greater to provide expiratory relief	
	Flex: Bi-Flex			
	Flex Level: 2			