

BiPAP A40 Pro

Ventilator



BiPAP A40 Pro allows you to automate and customize each patient's care to help your patient management be more **efficient and effective**.

The Philips Respironics BiPAP A40 Pro ventilation solution gives you the ability to intuitively treat patient's suffering from chronic respiratory disease and their constantly changing therapeutic demands. By using clinically proven therapies with automated solutions, such as AVAPS, AVAPS-AE, Automated Airway Management and Auto-Trak, BiPAP A40 Pro adapts to your patient's changing conditions to provide enhanced therapy while delivering the lowest possible pressure to comfortably vent the patient.

Also, BiPAP A40 Pro creates efficiencies for your business by intuitively and automatically adjusting therapy, thereby reducing manual adjustments as well as setup times, allowing you to focus your attention where it is needed – on your patients.

Intuitive ventilation therapies

- AVAPS – Automatically delivers customized care by adapting to disease progression
- Digital Auto-Trak – Contributes to the patient's synchrony and comfort, without manual adjustments to each patient's breath
- AVAPS-AE – Auto-titration mode has the proven performance of AVAPS, maintains a patient's airway and can apply an auto back-up rate
- Automated Airway Management – automatically and dynamically manages a patient's upper airway – in any ventilation mode

Features and benefits

- The AVAPS ventilation feature automatically provides treatment for PaCO₂ reduction.¹
- The Automated Airway Management feature provides the ability to treat overlapping breathing syndromes in bi-level patients so that clinicians can manage OSA and hypoventilation in any noninvasive ventilation mode.
- In a pre- and post-interventional trial, AVAPS-AE provided adequate control of nocturnal hypoventilation and upper airways obstruction as well as enhancing sleep efficiency and NIV adherence.^{2†}
- Visual leak management: colored visual indicator of the patient's total circuit leak value to better understand and manage leaks for more consistent therapy, comfort and mask fit.

¹ Windisch, Wolfram. "Average Volume-Assured Pressure Support in Obesity Hypoventilation." CHEST 130 (2006): 815 With respiratory insufficiency patients diagnosed with Obesity Hypoventilation Syndrome

² Only in BiPAP A40 Pro

[†] Murphy, Patrick, et al. "The effect of volume targeted pressure support (PS) ventilation with autotitrating expiratory positive airways pressure (EPAP) and back-up rate (BUR) on sleep quality in COPD-obstructive sleep apnea (OSA) overlap syndrome." European Respiratory Journal 42.Suppl 57 (2013): P2583.



Prescription guidelines

Note: Pressure units can be expressed as cmH₂O or in hPa.

BiPAP A40 Pro	
Ventilation pressure range	4 to 40 cmH ₂ O (in increments of 0.5 cmH ₂ O) EPAP: 4 to 25 cmH ₂ O CPAP maximum pressure: 20 cmH ₂ O
Ventilation modes	CPAP, S, S/T, T, PC, AVAPS-AE*
Interface modality	Noninvasive/Invasive (non-life-support)
Ventilation features	<p>AVAPS: Target Volume 200 to 1500 ml (10 ml increments) Max IPAP 4 to 40 cmH₂O Minimum IPAP: EPAP to 40 cmH₂O Rate: 0.5 to 5 cmH₂O/min</p> <p>Automated Airway Management: Pressure support: minimum 0 to 36 cmH₂O EPAP max pressure: 4 to 25 cmH₂O EPAP min pressure: 4 to 25 cmH₂O</p> <p>AVAPS-AE: Pressure support: minimum 0 to 36 cmH₂O EPAP max pressure: 4 to 25 cmH₂O EPAP min pressure: 4 to 25 cmH₂O Max pressure: 36 cmH₂O Target volume: 200 to 1500 ml (10 ml increments) AVAPS rate: 0.5 to 5 cmH₂O/min Breath rate: Off, auto or fixed, 1 to 40 BPM</p>
Inspiratory time	0.5 to 3.0 seconds (.1 second increments)
Rise time	1 to 6 (1=100 ms to 6= 600 ms)
Ramp length	5 to 45 minutes (5-minute increments)
Flex pressure relief	0 to 3 (only in S-mode)
System One resistance	0 (off), X1, X2, X3, X4, X5, Invasive
Humidification	System One heated humidification Heated tube humidification
Supplemental oxygen	Low flow up to 15 lpm (FiO ₂ not settable)
Breaths per minute (settable)	0 to 40 BPM (4 to 40 BPM in T mode, 1-breath increment)
Triggering type options	Auto-Trak (default), Sensitive Auto-Trak Flow Trigger - Flow sensitivity: 1 to 9 lpm (1-lpm increments) - Cycle sensitivity: 10% to 90% (1% increments)
Patient alarms (settable)	Circuit disconnection: off, 15, 60 seconds Apnea: off, 10, 20, 30 seconds High respiratory rate: 1 to 60 BPM (in increments of 1) Low minute ventilation: 1 to 99 l/min (in increments of 1) Low tidal volume (with AVAPS or AVAPS-AE mode): off or enabled Low SpO ₂ Alarm: default 85%, 50% to 95%
Data management	Care Orchestrator, Care Orchestrator Essence and EncoreAnywhere
Oximetry	Nonin Xpod
Diagnostic support	<p>Remote control: OmniLab Direct to OmniLab Advanced +</p> <p>Polygraph and polysomnograph connections: Direct connection to Alice PDx and Alice 6 PSGs OmniLab connect to other PSG Systems</p>
Device specifications	<p>Dimensions: 22.23 cm W x 18.42 cm L x 10.80 cm H (8.75" W x 7.25" L x 4.25" H)</p> <p>User interface display: 7 cm x 5.3 cm Weight: approximately 2 kg (4.4 lbs)</p> <p>AC voltage source: 100 to 240 VAC, 50/60 Hz, 1.2 A DC power source: 24 VDC, 4.2 A (power supply) 12 VDC, 5.0 A (external battery)</p> <p>Sound: < 30 dBA at 10 cmH₂O</p>

Device ordering information	Part number
BiPAP A40 Pro, INTL	INX3100S19
BiPAP A40 Pro with detachable battery module (no battery), INTL	INX3100B19
BiPAP A40 Pro with heated humidifier, INTL	INX3100H19
BiPAP A40 Pro with heated tube humidifier, INTL	INX3100T19

Ordering information	Part number
Humidification	
A-Series, System One, heated humidifier, INTL	INX3H
A-Series, System One, heated tube humidifier, INTL	INX3T
Cases	
BiPAP A40 carry case	1098514
Philips RI BiPAP A40 in-use case	1098513
Roll stand	
Roll stand BiPAP A-Series	1098538
Power management	
Detachable battery module, USA/INTL	3000DMB
Detachable battery pack, USA/INTL	1043570
100-watt power supply	1142982
Shielded DC cable (requires fuse 1008104)	1001956
Universal battery kit, INTL	112945

For more information please contact us at:

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