



Designed with patients in mind

BiPAP AVAPS automatically adapts to a patient's changing needs

Clinicians no longer need to choose between pressure or volume ventilation in order to deliver optimum therapy to NIV patients. Now they can have both. The BiPAP AVAPS home ventilator enables clinicians to achieve the prescribed target volume without compromising patient comfort.

Adapts automatically

BiPAP AVAPS (Average Volume Assured Pressure Support) estimates the patient's tidal volume over several breaths and compares it to the desired targeted tidal volume. The ventilator recognizes if the patient is not achieving the targeted volume and gradually changes the inspiratory pressure to achieve optimum breath comfort and patient/ventilator synchrony.

- Maintains a target tidal volume
- Maintains optimal patient comfort without compromising clinical safety and efficacy
- Improves ventilation efficiency
- Simplifies the titration process

Designed for clinical ease of use and patient comfort

BiPAP AVAPS noninvasive ventilator has been designed to meet the needs of patients, caregivers, and clinicians. It is compact, lightweight, quiet, and easy to use with a user-friendly, intuitive interface and an integrated humidifier. BiPAP AVAPS also uses Respironics' proven Digital Auto-Trak algorithm and EncorePro data management software.

Powered by advanced technologies

- Digital Auto-Trak sensitivity and leak compensation system
- EncorePro compliance reporting and prescription management software
- SD card compatibility
- Connect to our oximetry module to assess patient oxygen saturation while on therapy.

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sense and simplicity

BiPAP AVAPS product specifications

Physical	
Size	18 cm x 14 cm x 10 cm (7" L x 5.5" W x 4" H)
Weight	Approximately 1.36 kg (3 lbs.)
Therapy parameters	
Modes	CPAP, S, ST, PC, T
BiFlex	Available on S mode
Timed inspiration	0.5 to 3.0 seconds
IPAP	4 to 25 cmH ₂ O
EPAP	4 to 25 cmH ₂ O
CPAP	4 to 20 cmH ₂ O
Ramp	0 to 45 minutes
Breath rate	0 to 30 BPM
AVAPS	
Mode availability	AVAPS available on S, ST, PC, and T modes
Target tidal volume	200 to 1500 ml
IPAP Min	From EPAP to IPAP max
IPAP Max	From IPAP min to 25 cmH ₂ O

Patient alarms available		
Patient Disconnect, Apnea, Low Minute Ventilation, Low Tidal Volume (AVAPS only)		
Environmental		
	Operating	Storage
Temperature	5° C to 35° C (41° F to 95° F)	-20° C to 60° C (-4° F to 140° F)
Relative humidity	15 to 95% (non-condensing)	15 to 95% (non-condensing)
Atmospheric pressure	101 kPa to 77 kPa (0-2286 m / 0-7500 ft)	N/A
Sound level		
< 30 dBA at 10 cmH ₂ O pressure w/o humidifier		
Electrical		
AC voltage source	100 to 240 VAC, 50/60 Hz, 2.1 A	
DC power	12 VDC, 5.0 A	
Displayed parameters		
Pressure, leak, tidal volume, minute ventilation and respiratory rate		
Filters		
Foam and optional ultra fine		

Ordering information

Item	France	Intl.	China	Australia	Japan
BiPAP AVAPS, C series	FR1060486	1060486	NA	AU1060486	JP1060486
BiPAP AVAPS, C series, core package	FR1061419	1061419	NA	AU1061419	JP1061419

Ventilator accessories	Part number
Foam filter kit	1063091
Ultra-fine filter kit	1063096
System One heated humidifier	1056210
Device side panel	1063784
Water chamber	1066737
Power supply	1058190
Carrying case	1063857
Power cord Europe	1039014
Power cord UK	1039026

Data management accessories	Part number
EncorePro 2 Software	1054785
SD card (10 pack)	1063859
SD card mailer (10 pack)	1065146
SD card cover (attached to device)	1063858
SD card reader	1047300
Link module	1061644

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

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