



The AHP300 Ventilator

by
Allied
HEALTHCARE PRODUCTS INC.
GLOBAL SUPPORT OF LIFE
ISO 13485: 2003

Broad featured capability..Enhanced ease of use..Low cost of ownership..Rugged construction

Finally...a capable transport ventilator that fits your budget.

Broad Featured Capability

Invasive and non-invasive support for infant (5 kg and up) to adult patients, with a flexible array of ventilation options including Pressure Control/Volume Control ventilation, SIMV/Assist Control spontaneous breath support, and stand-alone CPAP/BiLevel support.

Enhanced Ease of Use

The AHP300 offers value-added features for intra-hospital and inter-hospital transport.

Quick Start Ventilation - Featuring programmable presets, the AHP300 allows trained caregivers to rapidly recall up to 5 saved ventilation protocols.

Long Battery Life - Up to 7.5 hours on internal battery, with auxiliary battery capability for up to 21 hours of battery life.

Oxygen Conserve Mode - Allows the use of low pressure sources (oxygen concentrator, liquid oxygen, etc.) to extend available oxygen.

Multi-Environment Capability

For everyday transport or evacuation from extreme environments, the AHP300 has you covered. It features rugged shock and vibration resistance, and IPX22 water resistance.

Low Cost of Ownership

Simple preventive maintenance schedule along with low-cost battery and repair parts result in significant savings and lower cost of ownership than comparative broad-featured ventilators.

www.AHP300.com

AHP300 Specifications



PATIENT RANGE		POWER REQUIREMENTS	
Infant/Pediatric (≥5 kg) - Adult		AC Voltage	110-240 VAC, 50/60 Hz, max. 1A
		DC Voltage	11-15 VDC, max. 5A
CONTROLS/SETTINGS		BATTERY PARAMETERS	
Modes	Programmable Quick Start Presets (Pressure or Volume) A/CMV (Pressure or Volume) SIMV CPAP Bi-PAP (can be programmed in custom mode) NIV (non-invasive ventilation) available in all modes	Integrated Battery	
		Battery Composition	Sealed Lead Acid
		Run time; 100% O ₂	7.5 hours
		Run time; 60% O ₂	7.5 hours
		Run time; 100% air	7 hours
		(on compressor)	
		W/External Battery Pack (MCV-AUXBAT)	
		Battery Composition	Sealed Lead Acid
		Run time; 100% O ₂	21 hours
		Run time; 60% O ₂	21 hours
		Run time; 100% air	21 hours
		(compressor)	
		DIMENSIONS & WEIGHT	
Tidal Volume	40 to 2,000 ml	Width	13.3" (34 cm)
RR (Respiratory Rate)	0.5 to 60 b/min	Depth	5.3" (13 cm)
I Time (Inspiratory Time)	0.5 to 2.0 sec	Height	13.8" (35 cm)
PEEP/CPAP	0 to 25 cmH ₂ O/0 to 25 mbar	Weight	18.8 lbs. (8.5 kg)
PS (Pressure Support)++	0 to 25 cmH ₂ O/0 to 25 mbar*		
Flow	5 to 60 L/min (flows ≥ 80 LPM in PS Mode, CPAP and demand flows)		
Pressure Control (Target Pressure)	15 to 55 cmH ₂ O/15 to 55 mbar		
P _{trig} (Sensitivity)	-5 to -1 cmH ₂ O/-5 to -1 mbar		
Manual Inflation	2 second maximum		
F _i O ₂	.21 to 1.00		
Maximum I Time	2 seconds		
Flow Wave Pattern	Square or descending†		
Auto Lock Function	ON / OFF		
Remote Alarm Option	Normally Open/Closed		
*PEEP + PS cannot exceed 25 cmH ₂ O/mbar			
†Based on mode selected			
MONITORED PARAMETERS		ENVIRONMENTAL	
Paw (Peak, Base)	I:E Ratio	Shock	100 G-Force
Delivered Tidal Volume	Flow rate	Vibration	T _o IEC 60068-2-6
Spontaneous Breath Count	F _i O ₂	Operating Temperature	0° F to 122° F (-18° C to 50° C)
Integrated Battery Level		Storage Temperature	-40° F to 140° F (-40° C to 60° C)
External Battery Level - When Attached		Operating Humidity	5 to 95% non-condensing
		Water Ingress	IPx 22
		SIGNAL CONNECTIONS	
		Remote Alarm	1/4" phone jack to connect to nurse call or remote system
		SPECIALTY FEATURES	
		Quick Start	Programmable presets to quickly recall pre-determined ventilation protocols
		Custom Modes	3 additional programmable custom modes that are available for quick recall
		Oxygen Conserve	Allows the use of up to 10 LPM of oxygen at 3 to 40 psi through the DISS port or up to 10 LPM of oxygen at less than 10 psi through the low pressure barb fitting for use with oxygen concentrator
ALARMS			
High Airway Pressure	10 to 55 cmH ₂ O/10 to 55 mbar		
Low Airway Pressure	5 to 15 cmH ₂ O/5 to 15 mbar		
Back-up Ventilation Alert			
Apnea	20 second fixed, apnea ventilation mode		
Low Source O ₂	Triggers at 40-37 psi		
Low Source Air	Triggers at 40-37 psi		
Device Alert	Malfunction alert		
Critical Battery	Approx. 20 minutes of battery charge remains		
Silence/Reset	110 sec		
PNEUMATICS			
Gas Delivery System	Internal dual diaphragm		
Air/Oxygen Mixer	Integrated		
Oxygen Input	41 to 87 psig oxygen		



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All specifications are nominal and subject to change without notice.

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