



# 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](http://www.AHP300.com)

# AHP300 Specifications



<b>PATIENT RANGE</b>		Infant/Pediatric (≥5 kg) - Adult	<b>POWER REQUIREMENTS</b>		
<b>CONTROLS/SETTINGS</b>			AC Voltage	110- 240 VAC, 50/60 Hz, max. 1A	
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		DC Voltage	11-15 VDC, max. 5A	
Tidal Volume	40 to 2,000 ml		<b>BATTERY PARAMETERS</b>		
RR (Respiratory Rate)	0, 5 to 60 b/min		<b>Integrated Battery</b>		
I Time (Inspiratory Time)	0.5 to 2.0 sec		Battery Composition	Sealed Lead Acid	
PEEP/CPAP	0 to 25 cmH <sub>2</sub> O/0 to 25 mbar		Run time; 100% O <sub>2</sub>	7.5 hours	
PS (Pressure Support)++	0 to 25 cmH <sub>2</sub> O/0 to 25 mbar*		Run time; 60% O <sub>2</sub>	7.5 hours	
Flow	5 to 60 L/min (flows ≥ 80 LPM in PS Mode, CPAP and demand flows)		Run time; 100% air (on compressor)	7 hours	
Pressure Control (Target Pressure)	15 to 55 cmH <sub>2</sub> O/15 to 55 mbar		<b>W/External Battery Pack (MVC-AUXBAT)</b>		
P <sub>trig</sub> (Sensitivity)	-5 to -1 cmH <sub>2</sub> O/-5 to -1 mbar		Battery Composition	Sealed Lead Acid	
Manual Inflation	2 second maximum		Run time; 100% O <sub>2</sub>	21 hours	
FI <sub>O<sub>2</sub></sub>	.21 to 1.00		Run time; 60% O <sub>2</sub>	21 hours	
Maximum I Time	2 seconds		Run time; 100% air (compressor)	21 hours	
Flow Wave Pattern	Square or descending†		<b>DIMENSIONS &amp; WEIGHT</b>		
Auto Lock Function	ON / OFF		Width	13.3" (34 cm)	
Remote Alarm Option	Normally Open/Closed		Depth	5.3" (13 cm)	
*PEEP + PS cannot exceed 25 cmH <sub>2</sub> O/mbar			Height	13.8" (35 cm)	
†Based on mode selected			Weight	18.8 lbs. (8.5 kg)	
<b>MONITORED PARAMETERS</b>		<b>CALCULATED PARAMETERS</b>		<b>ENVIRONMENTAL</b>	
Paw (Peak, Base)		I:E Ratio		Shock	100 G-Force
Delivered Tidal Volume		Flow rate		Vibration	To IEC 60068-2-6
Spontaneous Breath Count		FiO <sub>2</sub>		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
<b>ALARMS</b>			<b>SIGNAL CONNECTIONS</b>		
High Airway Pressure	10 to 55 cmH <sub>2</sub> O/10 to 55 mbar		Remote Alarm	1/4" phone jack to connect to nurse call or remote system	
Low Airway Pressure	5 to 15 cmH <sub>2</sub> O/5 to 15 mbar		<b>SPECIALTY FEATURES</b>		
Back-up Ventilation Alert			Quick Start	Programmable presets to quickly recall pre-determined ventilation protocols	
Apnea	20 second fixed, apnea ventilation mode		Custom Modes	3 additional programmable custom modes that are available for quick recall	
Low Source O <sub>2</sub>	Triggers at 40-37 psi		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	
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				
<b>PNEUMATICS</b>					
Gas Delivery System	Internal dual diaphragm				
Air/Oxygen Mixer	Integrated				
Oxygen Input	41 to 87 psig oxygen				



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