



# The AHP300p Ventilator

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

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

Designed to meet the unique needs of modern EMS response

## 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 AHP300p offers value-added features for pre-hospital transport.

**Quick Start Ventilation** - Featuring programmable presets, the AHP300p allows trained EMS responders 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 AHP300p 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)

# AHP300p Specifications



<b>PATIENT RANGE</b>	Infant/Pediatric (≥5 kg) - Adult	<b>POWER REQUIREMENTS</b>	AC Voltage: 110-240 VAC, 50/60 Hz, max. 1A DC Voltage: 11-15 VDC, max. 5A
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<b>CONTROLS/SETTINGS</b>	<p>Modes: Programmable Quick Start Presets (Pressure or Volume) A/CMV (Pressure or Volume) SIMV CPAP Bi-PAP (can be programmed in custom mode)</p> <p>NIV (non-invasive ventilation) available in all modes</p> <p>Tidal Volume: 40 to 2,000 ml</p> <p>RR (Respiratory Rate): 0, 5 to 60 b/min</p> <p>I Time (Inspiratory Time): 0.5 to 2.0 sec</p> <p>PEEP/CPAP: 0 to 25 cmH<sub>2</sub>O/0 to 25 mbar</p> <p>PS (Pressure Support)++: 0 to 25 cmH<sub>2</sub>O/0 to 25 mbar*</p> <p>Flow: 5 to 60 L/min (flows ≥ 80 LPM in PS Mode, CPAP and demand flows)</p> <p>Pressure Control (Target Pressure): 15 to 55 cmH<sub>2</sub>O/15 to 55 mbar</p> <p>Ptrig (Sensitivity): -5 to -1 cmH<sub>2</sub>O/-5 to -1 mbar</p> <p>Manual Inflation: 2 second maximum</p> <p>FiO<sub>2</sub>: .21 to 1.00</p> <p>Maximum I Time: 2 seconds</p> <p>Flow Wave Pattern: Square or descending†</p> <p>Auto Lock Function: ON / OFF</p> <p>Remote Alarm Option: Normally Open/Closed</p>	<b>BATTERY PARAMETERS</b>	<p><b>Integrated Battery</b></p> <p>Battery Composition: Sealed Lead Acid</p> <p>Run time; 100% O<sub>2</sub>: 7.5 hours</p> <p>Run time; 60% O<sub>2</sub>††: 7.5 hours</p> <p>Run time; 100% air†† (on compressor): 7 hours</p> <p><b>W/External Battery Pack (MCV-AUXBAT)</b></p> <p>Battery Composition: Sealed Lead Acid</p> <p>Run time; 100% O<sub>2</sub>: 21 hours</p> <p>Run time; 60% O<sub>2</sub>††: 21 hours</p> <p>Run time; 100% air††: 21 hours</p> <p>††Requires 41 to 87 psi air input</p>
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<b>MONITORED PARAMETERS</b>	<p>*PEEP + PS cannot exceed 25 cmH<sub>2</sub>O/mbar</p> <p>†Based on mode selected</p>	<b>DIMENSIONS &amp; WEIGHT</b>	<p>Width: 11.5 in (29 cm)</p> <p>Depth: 3.5 in (9 cm)</p> <p>Height: 10.3 in (26 cm)</p> <p>Weight: 14 lbs (6.3 kg)</p>
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<b>MONITORED PARAMETERS</b>	<p>Paw (Peak, Base)</p> <p>Delivered Tidal Volume</p> <p>Spontaneous Breath Count</p> <p>Integrated Battery Level</p> <p>External Battery Level - When Attached</p>	<b>ENVIRONMENTAL</b>	<p>Shock: 100 G-Force</p> <p>Vibration: To IEC 60068-2-6</p> <p>Operating Temperature: 0° F to 122° F (-18° C to 50° C)</p> <p>Storage Temperature: -40° F to 140° F (-40° C to 60° C)</p> <p>Operating Humidity: 5 to 95% non-condensing</p> <p>Water Ingress: IPx 22</p>
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<b>MONITORED PARAMETERS</b>	<p>I:E Ratio</p> <p>Flow rate</p> <p>FiO<sub>2</sub></p>	<b>SIGNAL CONNECTIONS</b>	<p>Remote Alarm: 1/4" phone jack to connect to nurse call or remote system</p>
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<b>ALARMS</b>	<p>High Airway Pressure: 10 to 55 cmH<sub>2</sub>O/10 to 55 mbar</p> <p>Low Airway Pressure: 5 to 15 cmH<sub>2</sub>O/5 to 15 mbar</p> <p>Back-up Ventilation Alert</p> <p>Apnea: 20 second fixed, apnea ventilation mode</p> <p>Low Source O<sub>2</sub>: Triggers at 40-37 psi</p> <p>Low Source Air: Triggers at 40-37 psi</p> <p>Device Alert: Malfunction alert</p> <p>Critical Battery: Approx. 20 minutes of battery charge remains</p> <p>Silence/Reset: 110 sec</p>	<b>SPECIALTY FEATURES</b>	<p><b>Quick Start</b>: Programmable presets to quickly recall pre-determined ventilation protocols</p> <p><b>Custom Modes</b>: 3 additional programmable custom modes that are available for quick recall</p> <p><b>Oxygen Conserve</b>: 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</p>
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<b>PNEUMATICS</b>	<p>Gas Delivery System: Pneumatic</p> <p>Air/Oxygen Mixer: Integrated</p> <p>Oxygen Input: 41 to 87 psi oxygen</p> <p>Air Input: 41 to 87 psi air</p>
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All specifications are nominal and subject to change without notice.

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