



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

AHP300p Specifications



PATIENT RANGE	Infant/Pediatric (≥5 kg) - Adult	POWER REQUIREMENTS	AC Voltage 110-240 VAC, 50/60 Hz, max. 1A DC Voltage 11-15 VDC, max. 5A
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CONTROLS/SETTINGS	<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 cmH₂O/0 to 25 mbar</p> <p>PS (Pressure Support)++ 0 to 25 cmH₂O/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 cmH₂O/15 to 55 mbar</p> <p>Ptrig (Sensitivity) -5 to -1 cmH₂O/-5 to -1 mbar</p> <p>Manual Inflation 2 second maximum</p> <p>FiO₂ .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>	BATTERY PARAMETERS	<p>Integrated Battery</p> <p>Battery Composition Sealed Lead Acid</p> <p>Run time; 100% O₂ 7.5 hours</p> <p>Run time; 60% O₂†† 7.5 hours</p> <p>Run time; 100% air†† 7 hours (on compressor)</p> <p>W/External Battery Pack (MCV-AUXBAT)</p> <p>Battery Composition Sealed Lead Acid</p> <p>Run time; 100% O₂ 21 hours</p> <p>Run time; 60% O₂†† 21 hours</p> <p>Run time; 100% air†† 21 hours</p> <p>††Requires 41 to 87 psi air input</p>
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MONITORED PARAMETERS	<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>	DIMENSIONS & WEIGHT	<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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ALARMS	<p>High Airway Pressure 10 to 55 cmH₂O/10 to 55 mbar</p> <p>Low Airway Pressure 5 to 15 cmH₂O/5 to 15 mbar</p> <p>Back-up Ventilation Alert</p> <p>Apnea 20 second fixed, apnea ventilation mode</p> <p>Low Source O₂ 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>	ENVIRONMENTAL	<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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PNEUMATICS	<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>	SIGNAL CONNECTIONS	<p>Remote Alarm 1/4" phone jack to connect to nurse call or remote system</p>
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ALARMES	<p>Approx. 20 minutes of battery charge remains</p> <p>110 sec</p>	SPECIALTY FEATURES	<p>Quick Start Programmable presets to quickly recall pre-determined ventilation protocols</p> <p>Custom Modes 3 additional programmable custom modes that are available for quick recall</p> <p>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</p>
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Allied Healthcare Products, Inc. • 1720 Sublette Avenue • St. Louis, MO 63110 USA
314/771-2400 • 800/444-3954 • FAX: 314/771-0650 • www.alliedhpi.com