



# 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



## 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

## CONTROLS/SETTINGS

**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

**Tidal Volume** 40 to 2,000 ml

**RR (Respiratory Rate)** 0, 5 to 60 b/min

**I Time (Inspiratory Time)** 0.5 to 2.0 sec

**PEEP/CPAP** 0 to 25 cmH<sub>2</sub>O/0 to 25 mbar

**PS (Pressure Support)++** 0 to 25 cmH<sub>2</sub>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<sub>2</sub>O/15 to 55 mbar

**P<sub>trig</sub> (Sensitivity)** -5 to -1 cmH<sub>2</sub>O/-5 to -1 mbar

**Manual Inflation** 2 second maximum

**FI<sub>O</sub><sub>2</sub>** .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<sub>2</sub>O/mbar

†Based on mode selected

## MONITORED PARAMETERS

Paw (Peak, Base)  
 Delivered Tidal Volume  
 Spontaneous Breath Count  
 Integrated Battery Level  
 External Battery Level - When Attached

## CALCULATED PARAMETERS

I:E Ratio  
 Flow rate  
 FiO<sub>2</sub>

## ALARMS

**High Airway Pressure** 10 to 55 cmH<sub>2</sub>O/10 to 55 mbar

**Low Airway Pressure** 5 to 15 cmH<sub>2</sub>O/5 to 15 mbar

**Back-up Ventilation Alert**

**Apnea** 20 second fixed, apnea ventilation mode

**Low Source O<sub>2</sub>** 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

## BATTERY PARAMETERS

**Integrated Battery**  
**Battery Composition** Sealed Lead Acid  
**Run time; 100% O<sub>2</sub>** 7.5 hours  
**Run time; 60% O<sub>2</sub>** 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<sub>2</sub>** 21 hours  
**Run time; 60% O<sub>2</sub>** 21 hours  
**Run time; 100% air** 21 hours  
 (compressor)

## DIMENSIONS & WEIGHT

**Width** 13.3" (34 cm)  
**Depth** 5.3" (13 cm)  
**Height** 13.8" (35 cm)  
**Weight** 18.8 lbs. (8.5 kg)

## ENVIRONMENTAL

**Shock** 100 G-Force  
**Vibration** To IEC 60068-2-6  
**Operating Temperature** 0° F to 122° F (-18° C to 50° C)  
**Storage Temperature** -40° F to 140° F (-40° C to 60° C)  
**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

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

U.S.  
 Toll Free: 800/444-3940  
 FAX: 800/477-7701

Canada & Mexico  
 Toll Free: 800/446-0552  
 FAX: 800/246-6201

International  
 Telephone: 314/268-1683  
 FAX: 314/771-5183

All specifications are nominal and subject to change without notice.

Form 96-00-0001  
 April 2014