



# 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 pre-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 BiLevel (can be programmed in custom mode) Apnea Backup Ventilation 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

Ptrig (Sensitivity) -5 to -1 cmH<sub>2</sub>O/-5 to -1 mbar

Manual Inflation 2 second maximum

FiO<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 15 to 80 cmH<sub>2</sub>O/15 to 78 mbar

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

Apnea Back-up Ventilation Alert 20 second fixed

Low Source O<sub>2</sub> Triggers at 40-37 psi (276-255 kPa)

Low Source Air Triggers at 40-37 psi (276-255 kPa)

Device Alert Malfunction alert

Critical Battery Approx. 20 minutes of battery charge remains

Silence/Reset 110 sec

## PNEUMATICS

Gas Delivery System Internal dual diaphragm compressor

Air/Oxygen Mixer Integrated

Oxygen Input 41 to 87 psig oxygen DISS (283 to 600 kPa)

## 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 (on compressor) 7 hours

### 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 (on compressor) 21 hours

## 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

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All specifications are nominal and subject to change without notice.

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