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

AHP300 Specifications

PATIENT RANGE

Infant/Pediatric (≥5 kg) - Adult

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_2O/0 to 25 mbar
PS (Pressure Support)++	0 to 25 cmH_2O/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_2O/15 to 55 mbar
Ptrig (Sensitivity)	-5 to -1 cmH_2O/-5 to -1 mbar
Manual Inflation	2 second maximum
FiO_2	.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_2O/mbar
†Based on mode selected

MONITORED PARAMETERS / CALCULATED PARAMETERS

MONITORED PARAMETERS	CALCULATED PARAMETERS
Paw (Peak, Base)	I:E Ratio
Delivered Tidal Volume	Flow rate
Spontaneous Breath Count	FiO_2
Integrated Battery Level	
External Battery Level - When Attached	

ALARMS

High Airway Pressure	10 to 55 cmH_2O/10 to 55 mbar
Low Airway Pressure	5 to 15 cmH_2O/5 to 15 mbar
Back-up Ventilation Alert	
Apnea	20 second fixed, apnea ventilation mode
Low Source O_2	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

POWER REQUIREMENTS

AC Voltage	110- 240 VAC, 50/60 Hz, max. 1A
DC Voltage	11-15 VDC, max. 5A

BATTERY PARAMETERS

Integrated Battery

Battery Composition	Sealed Lead Acid
Run time; 100% O_2	7.5 hours
Run time; 60% O_2	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_2	21 hours
Run time; 60% O_2	21 hours
Run time; 100% air (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

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All specifications are nominal and subject to change without notice.

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