



Aeroneb[®] pro

Efficient. Flexible. Cost-Effective.

Efficient

Saves time
Does not affect ventilator parameters during operation or refill

Flexible

Operates inline or independently for infants through adults

Cost-Effective

Reduces cost
Low residual volume minimizes drug waste
Multiple patient use



Introducing the Aeroneb[®] Professional Nebulizer System

An exceptional aerosol delivery option for clinicians that saves time, lowers costs and provides flexibility for respiratory therapy throughout the hospital.

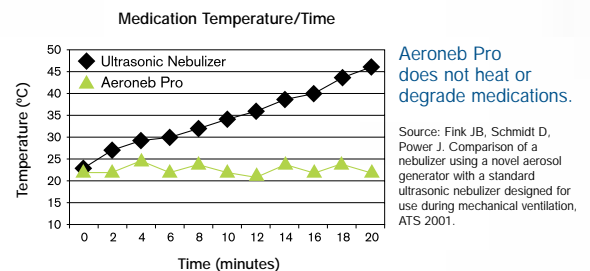
The Aeroneb Pro provides effective dose delivery of physician-prescribed inhalation solutions for infants through adults requiring positive pressure breathing assistance, including mechanical ventilation, as well as hand-held nebulizer therapy. Utilizing Aerogen's unique aerosol generator, the Aeroneb Pro produces a fine particle, low velocity aerosol without environmentally unfriendly propellants, inefficient compressors or costly ultrasonic elements.

The Aeroneb Pro overcomes the issue of poor aerosol delivery during mechanical ventilation, depositing up to four times more medication through an endotracheal tube (*in vitro*) during mechanical ventilation than small volume nebulizers (SVNs). SVNs have been reported to deliver between 1–3%¹ of the nominal dose to the lungs during mechanical ventilation, compared to 2–18%² in nonintubated patients.

Performance Characteristics Table³

	MMAD ⁴	GSD ⁵	FPF ⁶ (<5µm)	Residual Volume (mL) ⁷	Adult % Dose Deposited ⁸
Aeroneb [®] Pro Nebulizer System	2.1	2.2	83%	0.3 mL	13%

¹CJ Harvey et al, European Respiratory Journal, 1997; 10: 905-909; ²GC Smaldone et al, Journal of Aerosol Medicine, Volume 11, Number 2, 1998; pp. 113-125; ³Nebulization, 3 mL of 0.083% albuterol; ⁴MMAD: Mass Median Aerodynamic Diameter (micrometers); ⁵GSD: Geometric Standard Deviation; ⁶FPF: Fine Particle Fraction; ⁷Data on file at Aerogen, Inc.; ⁸Dose deposited *in vitro* at endotracheal tube; Source: Fink JB, Schmidt D, Power J. Comparison of a nebulizer using a novel aerosol generator with a standard ultrasonic nebulizer designed for use during mechanical ventilation, ATS 2001.





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Efficient

- Maximizes respirable dose with 2.1 µm average MMAD, low residual volume and minimal rainout
- Does not collect or nebulize condensate from ventilator circuit during operation
- Unique aerosol generator does not heat or degrade medications

Flexible

- Delivers all medications approved for use with standard nebulizers to treat infants to adults
- Operates inline with standard ventilator circuits and mechanical ventilators
- Usable in the hospital, ambulatory clinics and during patient transport
- Lightweight control module powered by AC or rechargeable battery

Cost-Effective

- Low residual volume in medication cup (average 0.3 mL of 3 mL dose) minimizes drug waste
- Multiple patient use
- Autoclavable at 132°C - 135°C (270°F - 275°F)

PRODUCT SPECIFICATIONS

Physical:

Nebulizer Unit weight: 25 grams (0.9 oz.)
 Control Module weight: 230 grams (8.1 oz.)
 Medication cup capacity: 10 mL

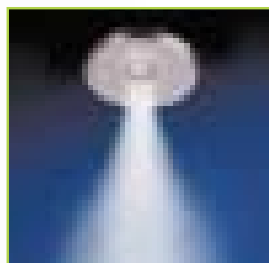
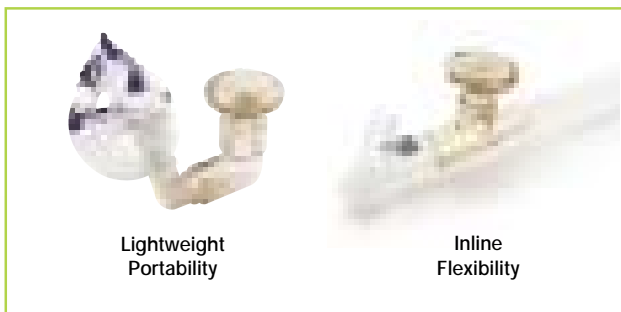
Power:

Consumption: <6.5 watts (charging), <2.0 watts (nebulizing)
 AC/DC adapter (input 100 to 240 VAC 50/60Hz, output 9 V)
 or rechargeable battery (4.8 V nominal output)
 Patient isolation: Approved to IEC 60601-1 and AAMI ES1

Performance:

See Performance Characteristics Table
 Noise level: Silent operation
 Frequency, Nebulizer Unit: 128 kilohertz (kHz)

Configuration Options:



Aerogen's Aerosol Generator

Drives the Aeroneb Pro System.

- Creates a fine particle, low velocity aerosol
- Produces precisely-defined droplets
- Aerosolizes a broad range of formulations

ORDER INFORMATION

Aeroneb [®] Professional Nebulizer System	AG-AP6000
Aeroneb [®] Professional (autoclavable) Nebulizer Unit	AG-AP1000

Accessorie and replacement parts available. For more product information, ask our partner or visit HAMILTON MEDICAL's website at

www.hamilton-medical.com

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