


Aeroneb[®] Pro
Micropump Nebulizer

Instruction Manual



Aeroneb[®] Professional Nebulizer System

Instruction Manual

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Introduction

The Aeroneb[®] Professional Nebulizer System is a portable medical device for multiple patient use that is intended to aerosolize physician-prescribed medications for inhalation that are approved for use with a general purpose nebulizer. This device can be used by patients on and off mechanical ventilation or other positive pressure breathing assistance.

Aeroneb[®] Pro is suitable for use by neonate, pediatric to adult patients as described in this manual. It incorporates the Aerogen[®] OnQ[™] Aerosol Generator.

Aeroneb[®] Pro is designed to operate in-line with standard ventilator circuits and mechanical ventilators. It operates without changing patient ventilator parameters and can be refilled without interrupting ventilation.

The control module operates from the AC/DC adapter and can be operated on its internal rechargeable battery for up to 45 minutes when fully charged. The product operates without compressed gas, making it suitable for portable applications.

Indications for Use:

The Aeroneb[®] Professional Nebulizer System is a portable medical device for multiple patient use that is intended to aerosolize physician-prescribed solutions for inhalation to patients on and off ventilation or other positive pressure breathing assistance. The Aeroneb[®] Professional Nebulizer System is suitable for use in adult, pediatric and neonate patients.

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Warnings

- Only use the Aeroneb Pro nebulizer with components specified in the Instructions for Use. Use of the Aeroneb Pro nebulizer with components other than those specified in the Instructions for Use may result in increased emissions or decreased immunity of the Aeroneb Pro nebulizer system.
- Do not use the Aeroneb Pro adjacent to or stacked with other equipment. If adjacent or stacked use is necessary, the device should be observed to verify normal operation in this configuration.
- The Aeroneb Pro needs special precautions regarding electromagnetic compatibility (“EMC”) and must be installed and put into service according to the EMC information provided in the Instructions for Use.
- Portable and mobile radio frequency (“RF”) communication devices can disrupt medical electrical equipment.










Refer to appendix 1 for EMC tables as per IEC / EN 60601-1-2

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Symbols




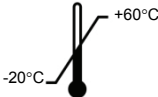




The following symbols apply to Aeroneb Pro and appear on the back of the control module and on the packaging:

Table 1: Aeroneb Pro symbols

Symbol	Meaning
AP-YYXXXX	Serial number, where YY is the year of manufacture and XXXX is the serial number.
	Attention, consult accompanying documents.
	Degree of protection against dripping water.
	Class II equipment per IEC/EN 60601-1.
	Type BF equipment per IEC/EN 60601-1.
	On/Off power button (standby).
	Timer selection (to select the 15 minute or 30 minute nebulization cycles)
	Control Module Input – DC voltage.
	Control Module Output – AC voltage.
	Output

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Table 1: Aeroneb Pro symbols

Symbol	Meaning
	Does not contain natural rubber latex.
	Battery status indicator.
	Fragile, handle with care.
	Transient storage temperature limitations -20 °C to +60 °C.
	Keep dry.
	This device complies with the requirements of the Medical Devices Directive (93/42/EEC).
	Consult Instructions for Use
	Manufacturer

Controls and indicators

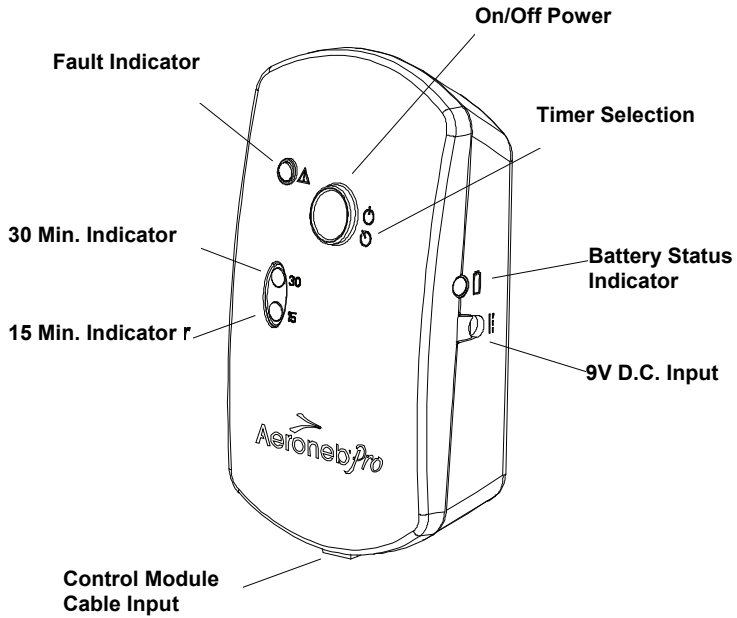


Figure 2: Aeroneb Pro controls and indicators

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Table 2: Aeroneb Pro controls and indicators

Control/indicator	Function
<i>15 Min.</i> indicator	<ul style="list-style-type: none">• Green (steadily lit) = 15 minute nebulization cycle on• Green (flashing) = Low battery power• Nebulizer unit automatically powers off after 15 minutes have elapsed
<i>30 Min.</i> indicator	<ul style="list-style-type: none">• Green (steadily lit) = 30 minute nebulization cycle on• Green (flashing) = Low battery power• Nebulizer unit automatically powers off after 30 minutes have elapsed
<i>Fault</i> indicator	<ul style="list-style-type: none">• Amber = Faulty electrical connection
<i>On/Off power</i> button	<ul style="list-style-type: none">• Pressing and immediately releasing selects the 15 minute nebulization cycle• Pressing and holding for at least three seconds selects the 30 minute nebulization cycle• Pressing during nebulization turns off power to the nebulizer
Battery status indicator	<ul style="list-style-type: none">• Green = Battery fully charged• Amber = Battery charging• No light = Battery in operation

Assembly and Installation

1. Clean and sterilize the nebulizer unit and T-piece(s) as described in the *Cleaning, disinfection and sterilization* section of this manual.

Note: The nebulizer unit and T-piece, as packaged, are not sterile.

2. Perform a functional test of Aeroneb Pro before use and between patients as described in the functional test section of this manual.
3. Insert the filler cap into the opening on the nebulizer unit.
4. Connect the nebulizer unit to the T-piece by pushing the nebulizer unit firmly onto the T-piece (Figure 3).

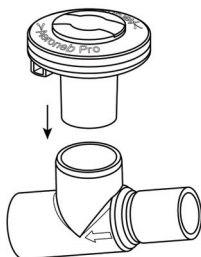


Figure 3: Connecting nebulizer unit to T-piece

5. Connect the control module and the nebulizer unit together using the control module cable (Figure 4).

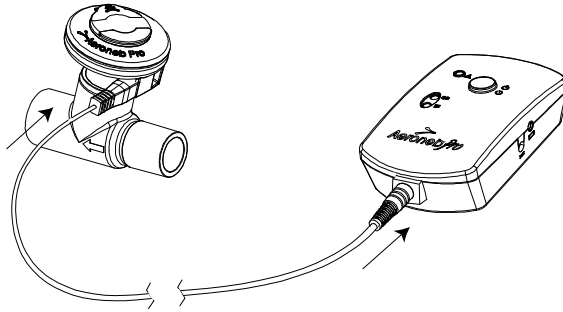


Figure 4: Connecting control module and nebulizer unit

6. To operate on AC power (the primary mode of operation), insert the AC/DC adapter connector into the control module and plug the adapter into an AC power source (Figure 5).
7. Aeroneb Pro can be battery-operated for portable applications. The rechargeable battery can power the System for up to 45 minutes when fully charged. In the case of AC power failure the control module will automatically switch to battery operation.

Note: Allow a minimum of four hours for the internal battery to fully recharge.

Note: To ensure uninterrupted operation of Aeroneb Pro, secure both the AC/DC adapter cable and the control module cable so they cannot become disconnected during treatment. If clips are available on patient circuits, run the cables through the eyes of the clips. If clips are not available, ensure that all cables are routed safely.

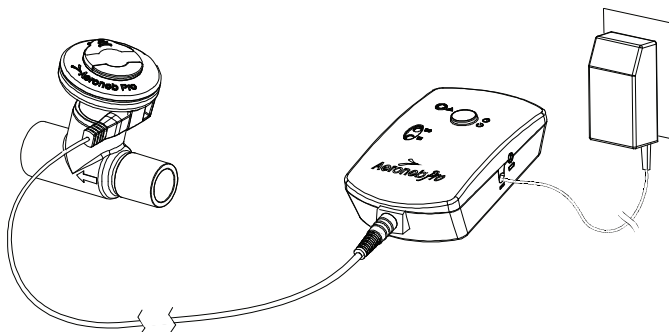


Figure 5: Connecting the AC/DC adapter

Recharging the Battery

To recharge the battery, connect the AC/DC adapter to the control module and AC power (Figure 5). The battery status indicator is amber while charging and green when fully charged. Allow a minimum of four hours for the internal battery to fully recharge.

Note: If the control module is placed in long-term storage, it is recommended that the battery be recharged every 3 months.

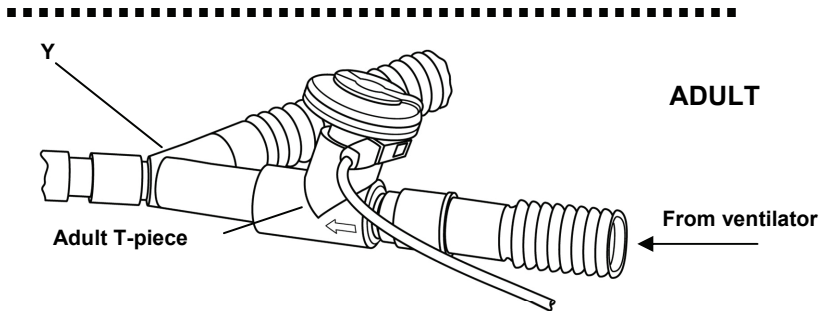


Figure 6: Connecting to an adult breathing circuit

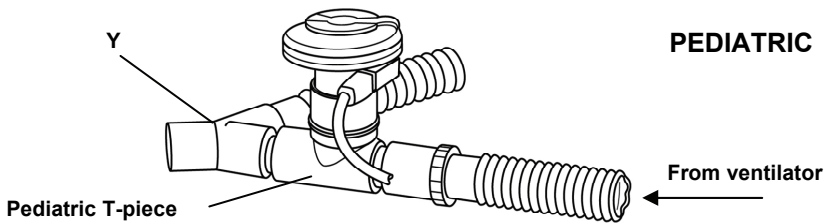


Figure 7: Connecting to a pediatric breathing circuit

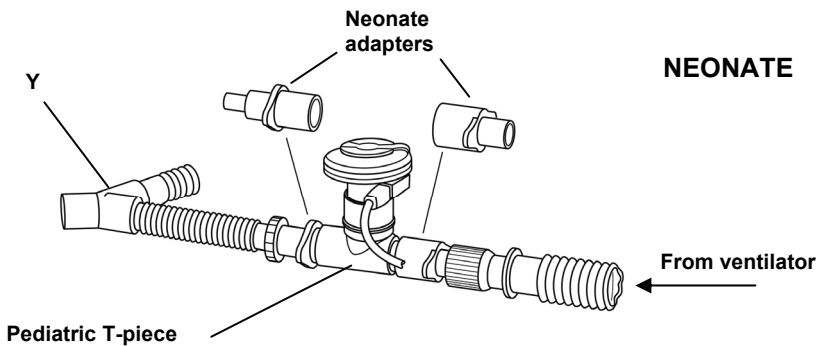


Figure 8: Connecting to a neonatal breathing circuit

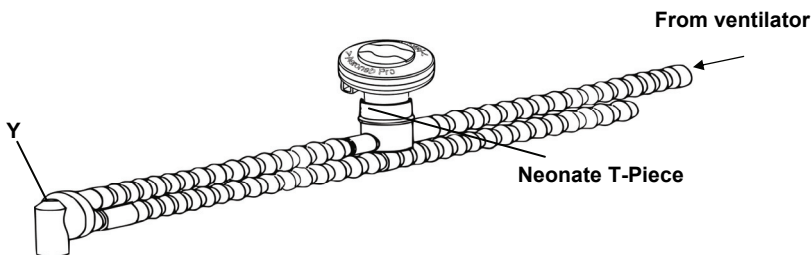


Figure 9: Alternative neonatal breathing circuit using neonate T-piece

2. Always perform a leak test of the breathing circuit after inserting or removing the nebulizer unit. Follow ventilator manufacturer instructions for performing a leak test.
3. Use the universal mounting bracket to attach the control module to an IV pole or bed rail in either a vertical or horizontal orientation (Figure 10 and Figure 11). Do not over-tighten knob.

Where a standard equipment mount is available, use the equipment mount adapter to support the control module (Figure 12).

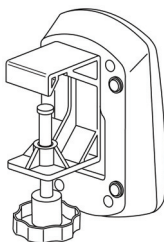


Figure 10: Control module and universal mounting bracket (vertical)

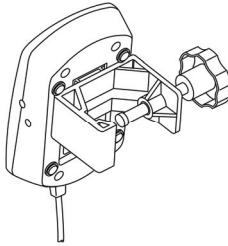


Figure 11: Control module and universal mounting bracket (horizontal)

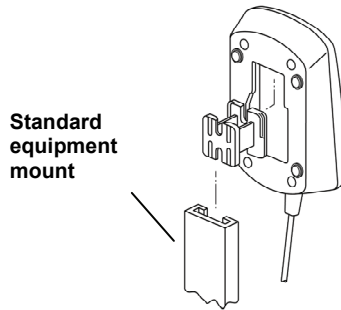


Figure 12: Equipment mount adapter

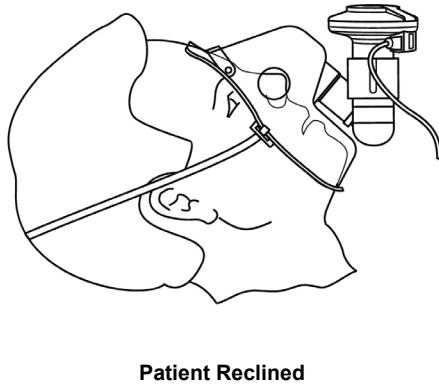
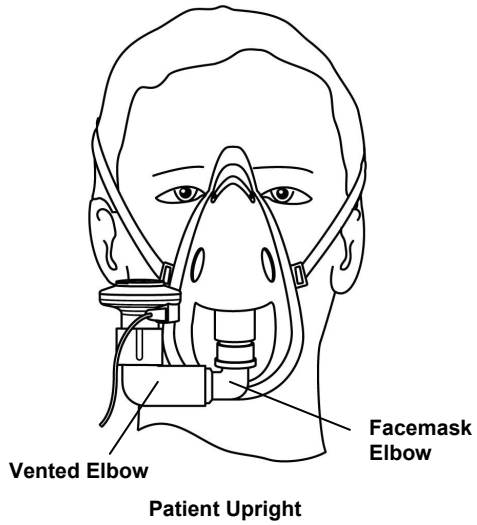


Figure 13: Connecting to a mask

Installation for use with a mouthpiece

Aeroneb Pro works with any standard ISO 22 mm nebulizer mouthpiece inserted into the adult T-piece.

When using a mouthpiece, connect the nebulizer unit to the T-piece as shown in Figure 3 in this manual, and then connect the T-piece to the mouthpiece by pushing the parts firmly together (Figure 14).

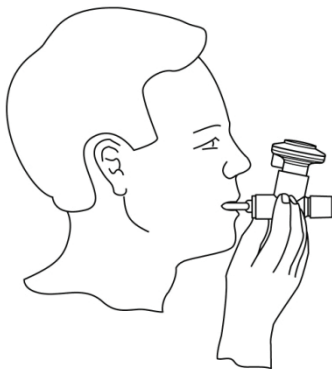


Figure 14: Connecting to a mouthpiece

CAUTION: To ensure proper nebulization, maintain the nebulizer in a vertical orientation (Figure 14).

Adding medication

1. Open the filler cap tab on the nebulizer unit.
2. Use a pre-filled ampoule or syringe to add medication into the filler port of the nebulizer (Figure 15).
3. Close the filler cap tab.

CAUTION: To avoid damage to the nebulizer unit, do not use a syringe with needle.

The maximum capacity of the nebulizer unit is 10 mL. Do not fill the nebulizer unit beyond the maximum fill indication point (Figure 16). The underside of the filler cap represents maximum fill indication point.



Figure 15: Filling the nebulizer unit with a pre-filled ampoule

Note: Medication can also be added in this manner during nebulization. This does not interrupt nebulization or ventilation.

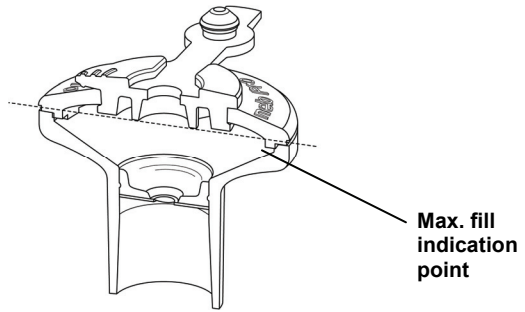


Figure 16: Maximum fill indication point

Nebulization

For doses less than or equal to 3 mL.

1. To start a 15 minute nebulization cycle, add the medication and press and release the blue On/Off power button (Figure 17). The green *15 Min.* indicator lights to indicate that the 15 minute nebulization cycle is in progress.

For doses greater than 3 mL.

2. To start a 30 minute nebulization cycle, add the medication and press and hold the blue On/Off power button for at least three seconds. The green *30 Min.* indicator lights to indicate that the 30 minute nebulization cycle is in progress.
3. To stop the nebulizer at any time, press the On/Off power button. The indicator turns off to indicate that nebulization has stopped.

Note: When delivering a dose greater than 3 mL, select the 30 minute cycle.

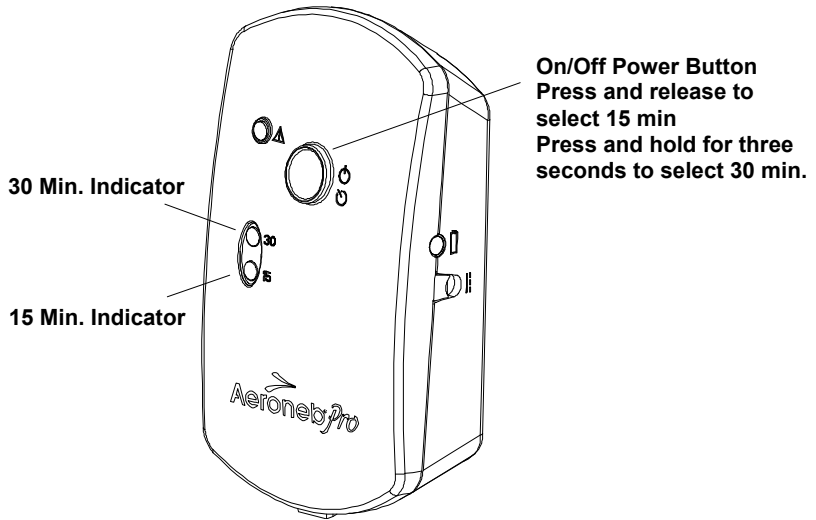


Figure 17: Starting and stopping nebulization

Functional test

Perform a functional test of Aeroneb Pro prior to first use, after **each** sterilization before each patient use or at any time to verify proper operation. Follow these steps:

1. Visually inspect each part of the System for cracks or damage and replace if any defects are visible.
2. Pour 1-5 mL of normal saline (0.9%) into the nebulizer unit.
3. Connect the nebulizer unit to the control module using the control module cable. Connect the control module to the AC/DC adapter and plug the AC/DC adapter into an AC power source.
4. Press and release the blue On/Off power button and verify that the green *15 Min.* indicator lights and that aerosol is visible.
5. Press the On/Off power button again to turn the System off. Press and hold the button for at least three seconds. Verify that the green *30 Min.* indicator lights and that aerosol is visible.
6. Disconnect the control module from the AC/DC adapter and verify that nebulization continues and that the battery status indicator turns off.
7. Turn the System off and verify that the *15 Min.* and *30 Min.* indicators are off.
8. Discard any remaining liquid before patient use.

Cleaning, disinfection and sterilization

This section describes how to clean, disinfect, sterilize and inspect Aeroneb Pro system components. It is important that Aeroneb Pro device components are cleaned and sterilized prior to first patient use. The components are:

- ***Nebulizer unit (including filler cap)***
- ***T-piece (including T-piece plug) for adult and pediatric***
- ***Neonate adapters***
- ***Control module†, control module cable†, and AC/DC adapter†***
- ***Mounting bracket†***

† *Components not to be autoclaved.*

CAUTION: Always clean, sterilize and disinfect in accordance with current hospital protocols.

To avoid damage to the nebulizer:

- Autoclave according to specified directions and temperature given in the “Cleaning, disinfection and sterilization” section of this Instruction Manual only. Any deviation from directions given in this Instruction Manual may cause damage to the nebulizer unit and render it inoperable.
- Do not apply undue pressure to the domed aperture plate in the center of the nebulizer.
- Do not push out the OnQ™ Aerosol Generator

Troubleshooting

If these suggestions do not correct the problem, discontinue use of any device that appears to be damaged or is not operating properly and contact your local Aeroneb Pro nebulizer system sales representative.

Table 3: Aeroneb Pro troubleshooting

If this happens:	It could mean:	Try this:
The <i>15 Min.</i> or <i>30 Min.</i> indicator flashes during nebulization.	Battery power is low.	Recharge battery (see <i>Recharging the battery</i>).
Battery will not recharge. Constant green light showing on the battery status indicator and flashing green light on either the <i>15 Min.</i> or <i>30 Min.</i> indicator light, when the control module is connected to the AC/DC adapter.	It may be time to replace the battery.	Contact your local Aeroneb Pro nebulizer system sales representative.
Battery will not retain initial charge.	Rechargeable battery may need to be replaced.	Contact your local Aeroneb Pro sales representative.

Table 3: Aeroneb Pro troubleshooting

If this happens:	It could mean:	Try this:
The <i>15 Min.</i> or <i>30 Min.</i> indicator lights, but aerosol is not visible.	No medication in nebulizer unit.	Refill medication through filler cap in the nebulizer unit (see <i>Adding medication during nebulization</i>).
	Nebulizer unit has not been properly cleaned.	Clean nebulizer unit (see <i>Cleaning and sterilization</i>).
	It may be time to replace the nebulizer unit.	See <i>Warranty and End of Life</i> . Refer to Aeroneb Pro parts list.
<i>15 Min.</i> or <i>30 Min.</i> indicator does not light when On/Off power button is pressed.	There is no power to the System.	Verify that AC/DC adapter is securely attached to control module.
	Rechargeable battery is depleted.	Recharge battery (see <i>Recharging the battery</i>).
The fault indicator lights.	The control module cable is incorrectly connected, or electronics are malfunctioning.	Verify that control module cable is correctly connected to both the nebulizer unit and the control module.

Table 3: Aeroneb Pro troubleshooting

If this happens:	It could mean:	Try this:
Longer than expected treatment time. e.g. 3ml of Normal Saline (0.9%) should take no longer than 15 minutes to nebulize	Rechargeable battery is depleted.	Recharge battery (see <i>Recharging the battery</i>).
	Nebulizer unit has not been properly cleaned.	Clean nebulizer (see <i>Cleaning and sterilization</i>).
	It may be time to replace the nebulizer unit.	See <i>Warranty and Life of product</i> . Refer to Aeroneb Pro parts list.
Medication is left in the nebulizer unit after nebulization cycle.	Nebulizer was not turned on or connected to power.	Ensure that nebulizer is connected to power and turned on.
	Rechargeable battery is depleted.	Recharge battery (see <i>Recharging the battery</i>).
	Nebulizer unit has not been properly cleaned.	Clean nebulizer (see <i>Cleaning and sterilization</i>).
	A 15 minute cycle was selected and a volume greater than 3mL was added to the nebulizer unit.	Run an additional 15 minute cycle. When delivering a dose greater than 3 mL select the 30 minute cycle.
	It may be time to replace the nebulizer unit.	See <i>Warranty and Life of Product</i> . Refer to Aeroneb Pro parts list.

Note: The rechargeable battery in the control module should only be replaced by Aerogen authorized personnel: contact your Aeroneb Pro nebulizer system sales representative.

Order numbers

Table 4 lists the Aeroneb Pro nebulizer system order numbers (see *Figure 1* for pictures)

Table 4: Aeroneb Pro parts list

Description	Order number
Aeroneb Professional Nebulizer System	AG-AP6000-XX*
Nebulizer unit with filler cap	AG-AP1000
Silicone Plug (Pack of 5)	AG-AP1005
Adult T-piece with silicone plug (Pack of 5) 22mm Female - 22mm Female Elbow - 22mm Male	AG-AP1010
Pediatric T-piece with silicone plug (Pack of 5) 15mm Male - 22mm Female Elbow -15mm Female	AG-AP1020
Neonate T-Piece with silicone plug (Pack of 5) 12mm Male - 22mm Female Elbow - 12mm Female Fits Fisher & Paykel Neonate breathing circuit	AG-AP1035
Neonate T-Piece with silicone plug (Pack of 5) 10mm Female – 22mm Female Elbow - 10mm Male	AG-AP1036
Pediatric T-Piece & Neonate Adapter Kit (Pack of 5) <ul style="list-style-type: none"> • 15mm Male - 22mm Female Elbow -15mm Female • Silicone Plug • Adapters: 15mm Male, 10mm OD to 7.5mm OD 15mm Female, 10mm OD and 7.5mm ID 	AG-AP1015
Neonate Adapter Kit (Pack of 5) <ul style="list-style-type: none"> • 15mm Male, 10mm OD to 7.5mm OD • 15mm Female, 10mm OD and 7.5mm ID 	AG-AP1025
Vented Elbow (Pack of 5)	AG-AP1055
Mask Kit, US (Pack of 5 Kits) <ul style="list-style-type: none"> • 17mm Male - 22mm Male Elbow 	AG-AP1065



• 22mm Female - 22mm Female Vented Elbow	
Mask Kit, International (<i>Pack of 5 Kits</i>) <ul style="list-style-type: none">• 22mm female-22mm Male Elbow• 22mm female-22mm Female Vented Elbow	AG-AP1075
Nebulizer Filler Cap (<i>Pack of 5</i>)	AG-AP1030
AC/DC Adapter	AG-AP1040-XX*
Control Module	AG-AP1050-XX*
Control Module Cable	AG-AP1085
Universal Mounting Bracket	AG-AP1060
Equipment Mount Adapter	AG-AP1070
Instruction Manual	AG-AP1080-XX*

* consult your local representative for the order code extension specific to your country and for pricing information

Specifications

Physical

Nebulizer unit dimensions: 45 mm H x 50 mm W x 50 mm D
(1.8 in. H x 2.0 in. W x 2.0 in. D)

Control module dimensions: 33 mm H x 75 mm W x 131 mm D
(1.3 in. H x 2.9 in. W x 5.2 in. D)

Control module cable: 1.8 m (5.9 ft.) long

AC/DC adapter cable: 2.1 m (6.7 ft.) long

Nebulizer unit weight: 25 g (0.9 oz.) nebulizer unit and filler cap

Control module weight: 230 g (8.1 oz.), including battery and cable

Nebulizer unit capacity: maximum 10 mL

Environmental

Operating:

Maintains specified performance at circuit pressures up to 90 cmH₂O and temperatures from 5°C (41°F) up to 45°C (113°F).

Atmospheric pressure: 450 to 1100 hPa.

Humidity: 15 to 95% relative humidity.

Noise level: < 35 dB measured at 0.3 m distance.

Storage and transport:

Transient temperature range: -20 to +60°C (-4 to +140°F).

Atmospheric pressure: 450 to 1100 hPa.

Humidity: 15 to 95% relative humidity.

Performance

Flow rate

>0.2 mL/min (Average: \approx 0.4 mL/min).

Particle size:

Mass Median Aerodynamic Diameter (MMAD):

<3.0 μ m with a geometric Standard Deviation (\leq 2.2)

As per EN 13544-1, with a starting dose of 2mL:

Aerosol output rate: 0.24mL/min

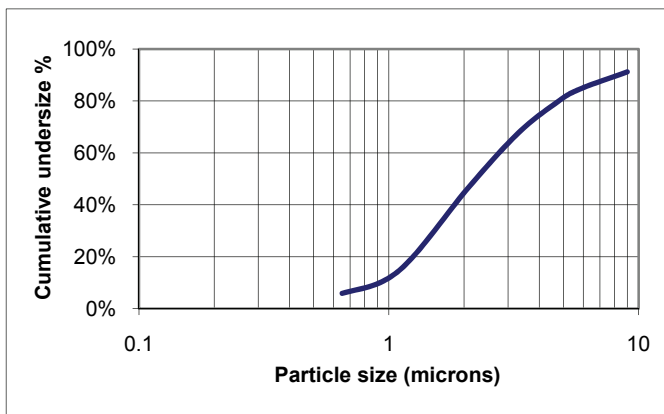
Aerosol output: 1.08 mL emitted of 2.0 mL dose

Residual volume: < 0.1 mL for 3 mL dose

Performance may vary depending upon the type of drug and nebulizer unit used. For additional information contact Aeroneb or drug supplier.

The temperature of the medication will not rise more than 10°C (18°F) above ambient temperature during normal use.

Representative particle size distribution for Albuterol as per EN 13544-1 is shown below:



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Power

Power source: can operate from AC/DC adapter (input 100 to 240 VAC 50 – 60 Hz, output 9 V) or internal rechargeable battery (4.8 V nominal output).

Power consumption: < 6.5 Watts (charging), ≤ 2.0 Watts (nebulizing).

Patient isolation: control module circuitry provides 4 kilovolt (kV) patient isolation and complies with IEC/ EN 60601-1.

Appendix 1

EMC Tables

The following Tables are provided in accordance with IEC/ EN 60601-1-2:

Guidance and manufacturer's declaration – electromagnetic emissions		
The Aeroneb Pro nebulizer system is intended for use in the electromagnetic environment specified below. The customer or the user of the Aeroneb Pro nebulizer system should assure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment – guidance
RF Emissions CISPR 11	Group 1	The Aeroneb Pro nebulizer system uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Class B	The Aeroneb Pro nebulizer system is suitable for use in all establishments, including domestic establishments and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions EN 61000-3-2	Not Applicable	
Voltage fluctuations / flicker emissions EN 61000-3-3	Not Applicable	

Recommended separation distances between portable and mobile RF communication equipment and the Aeroneb Pro

The Aeroneb Pro nebulizer system is intended for use in the electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the Aeroneb Pro nebulizer system can help prevent electromagnetic interference by maintaining a minimum distance between port and mobile RF communications equipment (transmitters) and the Aeroneb Pro nebulizer system as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz $d = [1.17] \sqrt{P}$	80 MHz to 800 MHz $d = [1.17] \sqrt{P}$	800 MHz to 2.5 GHz $d = [2.33] \sqrt{P}$
0.01	0.12	0.12	0.23
0.1	0.37	0.37	0.75
1	1.17	1.17	2.33
10	3.70	3.70	7.36
100	11.70	11.70	23.30

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (w) according to the transmitter manufacturer.

NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2 These guidelines may not apply in all situations.

Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

**Guidance and manufacturer's declaration –
electromagnetic immunity**

The Aeroneb Pro nebulizer system is intended for use in the electromagnetic environment specified below. The customer or the user of the Aeroneb Pro nebulizer system should assure that it is used in such an environment.


Immunity test	IEC/EN 60601 Test level	Compliance level	Electromagnetic environment – guidance
Electrostatic discharge (ESD) EN 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast Transient/burst EN 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	±2 kV for power supply lines ±1 kV for input/output lines	Mains power quality should be that of a typical commercial or hospital environment.
Surge EN 61000-4-5	±1 kV differential mode ±2 kV common mode	±1 kV differential mode ±2 kV common mode	Mains power quality should be that of a typical commercial or hospital environment.

<p>Voltage dips, short interruptions and voltage variations on power supply input lines</p> <p>EN 61000-4-11</p>	<p><5 % Ut (>95 % dip in Ut) for 0.5 cycle</p> <p>40 % Ut (60 % dip in Ut) for 5 cycles</p> <p>70 % Ut (30 % dip in Ut) for 25 cycles</p> <p><5 % Ut (>95 % dip in Ut) for 5 sec</p>	<p><5 % Ut (>95 % dip in Ut) for 0.5 cycle</p> <p>40 % Ut (60 % dip in Ut) for 5 cycles</p> <p>70 % Ut (30 % dip in Ut) for 25 cycles</p> <p><5 % Ut (>95 % dip in Ut) for 5 sec</p>	<p>Mains power quality should be that of a typical commercial or hospital environment. If the user of the Aereoneb Pro requires continued operation during power mains interruption, it is recommended that the Aereoneb Pro be powered from an uninterruptible power supply or battery.</p>
<p>Power frequency (50/60 Hz) Magnetic field</p> <p>EN 61000-4-8</p>	<p>3 A/m</p>	<p>3 A/m</p>	<p>Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.</p>
<p>Note: Ut is the a.c. mains voltage prior to application of the test level.</p>			

**Guidance and manufacturer's declaration –
electromagnetic immunity**

The Aeroneb Pro nebulizer system is intended for use in the electromagnetic environment specified below. The customer or the user of the Aeroneb Pro nebulizer system should assure that it is used in such an environment.

Immunity test	IEC/EN 60601 Test level	Compliance level	Electromagnetic environment – guidance
<p>Conducted RF EN 61000-4-6</p>	<p>3 Vrms 150 kHz to 80 MHz</p>	<p>[3]V</p>	<p>Portable and mobile RF communications equipment should be used no closer to any part of the Aeroneb Pro, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. Recommended separation distance $d = [1.17] \sqrt{P}$</p>
<p>Radiated RF EN 61000-4-3</p>	<p>3 Vrms 80 MHz to 2.5 GHz</p>	<p>[3]V</p>	<p>$d = [1.17] \sqrt{P} \dots$ 80MHz to 800MHz $d = [2.33] \sqrt{P} \dots$ 800MHz to 2.5GHz where P is the</p>

			<p>maximum output power rating of the transmitter in Watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range.^b</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 
<p>Note 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.</p> <p>Note 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.</p>			

^a Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Aeroneb Pro nebulizer system is used exceeds the applicable RF compliance level above, the Aeroneb Pro nebulizer system should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orientating or relocating the Aeroneb Pro nebulizer system.

^b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than [3]V/m

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