

NEBUTECH® NEBULIZER



NEBUTECH® HIGH-PERFORMANCE NEBULIZER

Every breath counts in aerosol delivery. The NebuTech® High-Performance Nebulizer rapidly delivers effective therapy using its unique bolus aerosol delivery pattern. Combined with the high pressure Salter Elite compressor, the NebuTech helps patients stay compliant to their prescribed aerosol therapy. NebuTech is the fastest growing jet nebulizer in hospitals, making the transition to home treatments easier.

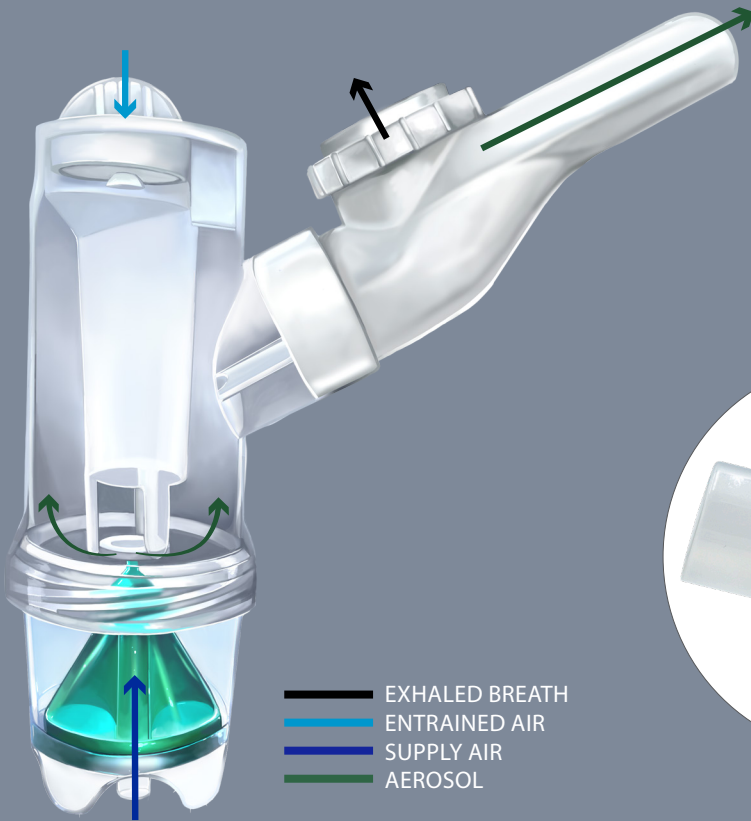


NEBUTECH® HIGH-PERFORMANCE NEBULIZER

- For ED, acute care, ICU, EMS, and in-home therapy
- Optional mask, expiratory filter, and PEP therapy
- Shorter treatment time helps promote patient compliance; 3 mL in less than 5 min at 8 LPM
- Screw on cap provides leak proof seal
- Safety PEP allows improved ventilation of the lungs during therapy
- Expiratory Filter Set helps protect against exposure to potential exhaled medication

VERSATILITY

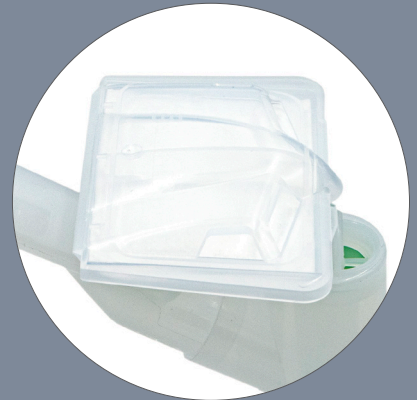
Patient-friendly add-on features provide a flexible and improved respiratory experience that is unique to each patient. NebuTech® allows for multiple patient settings, options and positions.



Aerosol Mask



B/V Filter



Expiratory Filter

FEATURE OPTIONS



SAFETY PEP

Features include 10 settings selection, visible numbers with click-lock adjustment, maximum 20 cm H₂O relief valve, and manometer port. Allows PEP therapy simultaneously with aerosol treatment.



CONE

The cone creates a greater surface area to maximize capillary action and enables operation at various angles.



COMPRESSOR

The lightweight portable and quiet Salter AIRE Elite compressor is designed for rapid effective aerosol delivery. Compressors are available in two voltage choices and come paired with either T-Piece or NebuTech nebulizers.

FILTER OPTIONS

B/V FILTER

Bacterial and viral (B/V) filters help reduce the transmission of microbes and other particulate matter in the breathing system. Providing highly efficient filtration, the B/V filters are lightweight and shaped to reduce drag on the breathing system while ensuring patient comfort.

- Low expiratory resistance - less 1.0 cm H₂O pressure change from before to after treatment, maximum resistance after treatment was 2.8 cm H₂O
- The filter should be replaced every 24 hours
- The Safety PEP cannot be used in conjunction with the BV Filter

FILTER EFFICIENCY*

Media Bacterial Filtration (BFE ASTM F2101 Nelson Labs)	99.99%
Media Viral Filtration (VFE ASTM F2101 Nelson Labs)	99.99%
Filter Efficiency @ 30 L/min (using TSI 8130 and ISO23328-1:2008, Also known as Salt Test)	99.30%

*SunMed Bacterial/Filter media was tested to VFE Efficiency 99.99% and BFE Efficiency 99.99% ASTM Standards by Nelson Laboratory. Filter efficiency may vary during use and should be replaced if filter becomes visibly soiled, resistance to flow reaches an unacceptable limit or after 24 hours of active use.



8990 Nebulizer

EXPIRATORY FILTER

The filter set fits on the exhalation valve of the mouthpiece to reduce the amount of aerosolized medication released in the atmosphere. Thereby providing safety to caregivers from exposure to potential exhaled medication.

- Disposable filter set or reusable filter set with replacement filter pads
- Easy to mount to exhalation valve
- Reduces exposure to aerosolized medications



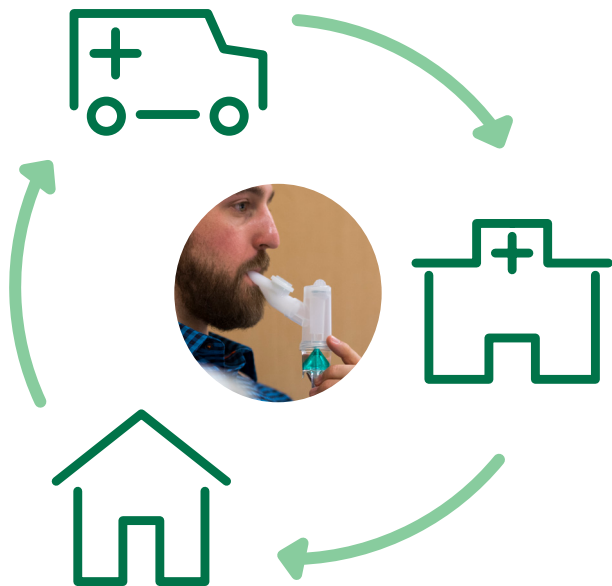
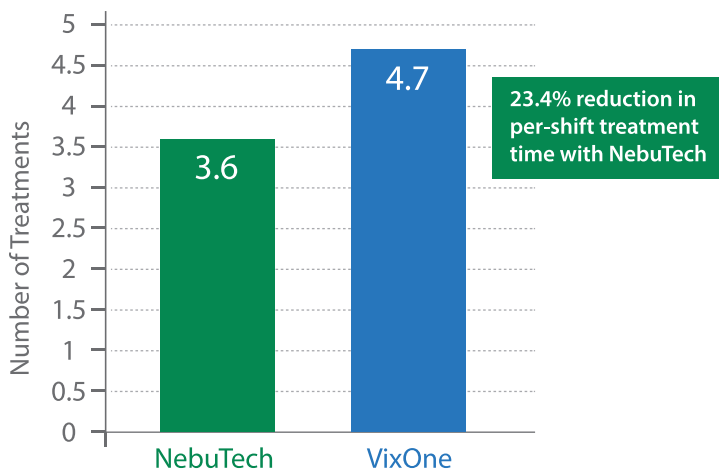
8960 Nebulizer

EFFICIENCY

Hospitals today not only demand products that deliver improved patient outcomes, they need these results in a cost-efficient manner. NebuTech® offers the efficiency you need.

- Less medicine waste with one-way valving² and closed-chamber system
- More drug to patient faster^{1,4}
- Reduced treatment time^{1,3,4,6}
- Enhanced productivity and workflow: RT staff saves time for other value-added, patient-focused activities^{3,4,5,6,7}

Lower Per-Shift Treatment Time for Required Procedures



NEBUTECH® MAKES IT EASY TO PROVIDE CONSISTENCY IN CARE

NebuTech spans the full continuum of patient care from pediatric to elderly. Using similar products from hospital to home helps ensure better patient compliance with treatments.

References: 1. Misra C. Improved aerosol delivery characteristics of a breath enhanced nebulizer over a breath actuated nebulizer. 2. Data on file. Salter Labs; Arvin, CA. 3. Rish J, Timmons I. Comparison of the efficacy of two nebulizers in treating acute exacerbation of COPD in the emergency department. *Respir Ther.* 2013;8(6). 4. Hoisington ER, Chatburn RL, Stoller JK. A comparison of respiratory care workload with 2 different nebulizers. *Respir Care.* 2009;54(4):495-499. 5. Wilkinson M. Comparison of nebulizers in ED in pediatric asthma patients. Abstract 4139.301. Presented at Pediatric Academic Societies (PAS) 2016 annual meeting, May 2016. Baltimore, MD. 6. Myers TR, Chatburn R, Rogers M, Camasso-Richardson K, Kerchmar C. Does nebulizer brand make a clinical difference in the emergency room management of pediatric asthma? *Respir Care.* 1999;44(10):1278. 7. Lantz G. Labor Savings Using the Salter NebuTech® Nebulizer. Data on file. Salter Labs; Arvin CA.

PERFORMANCE / DESIGN

Innovative technology makes the difference when choosing the right nebulizer, NebuTech® sets itself apart.

- Front-loaded bolus dosing during critical first one-third of each breath¹
- Increased drug deposition deep into the lungs¹
- High quality of aerosol - 80% of particles in the respirable range (<5 microns)²

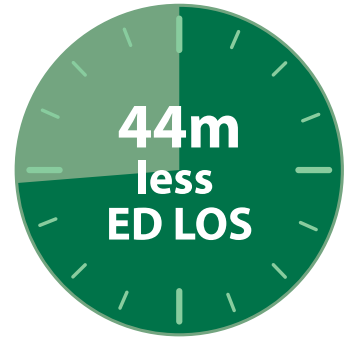


NebuTech Nebulizer
8960 Series
Shown with tubing

OUTCOMES VS 1-HOUR CONTINUOUS NEBULIZER

In an emergency department (ED) study of children with moderate to severe asthma exacerbations, breath-enhanced NebuTech® helped anxious asthmatic patients and their parents spend less time in the ED⁵:

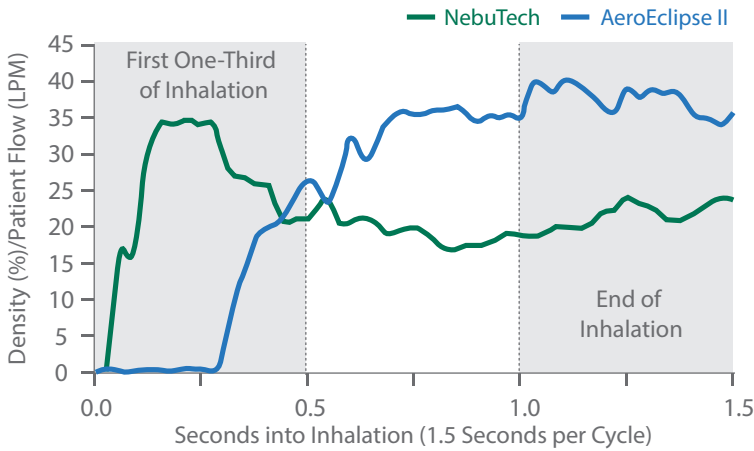
- ED length of stay (LOS)² was reduced by over 44 minutes (p<0.001)
- Shorter time between assessments
- Quick action upon symptom resolution
- Similar safety profile



Zero readmissions for patients treated with NebuTech, even though they presented with a PAS score of 3 or higher.

AEROSOL DELIVERY

NebuTech® vs AeroEclipse® II



TOTAL DRUG DOSE (ug/min)

PERFORMANCE	NEBUTECH®	AEROECLISPE® II
First 250 mL of Inhalation	249 ± 40	73 ± 20
Entire Inhalation Cycle	469 ± 64	309 ± 33



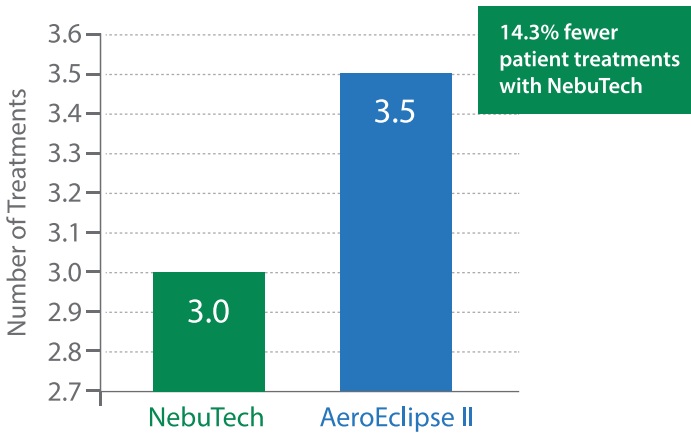
¹ Photo of AeroEclipse nebulizer courtesy of Monaghan Medical
² LOS = start of therapy to discharge decision

OUTCOMES VS. AEROECLIPSE® II

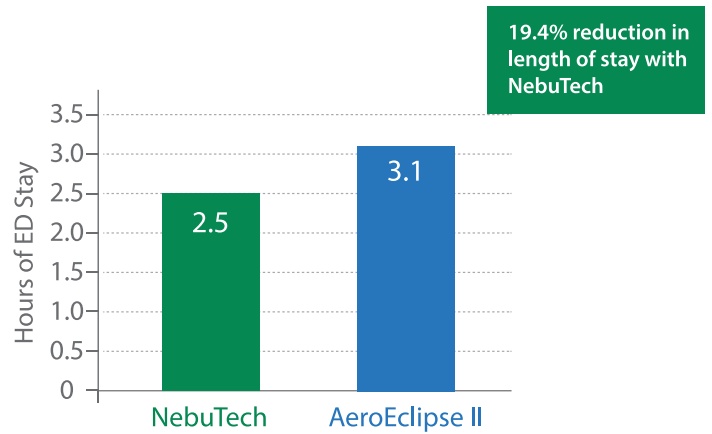
In two large hospital evaluations, NebuTech® performed extremely well compared with AeroEclipse® II across several critical performance factors^{1,3}:

- Significantly fewer number of patient treatments³
- Reduced overall length of patient stay³, which can help reduce per-shift treatment time of healthcare professional

Median Number of Treatments in Emergency Department



Length of Emergency Department Stay



OUTCOMES VS. STANDARD T-PIECE

NebuTech demonstrated significant clinical outcome improvements, which translate into financial benefits.

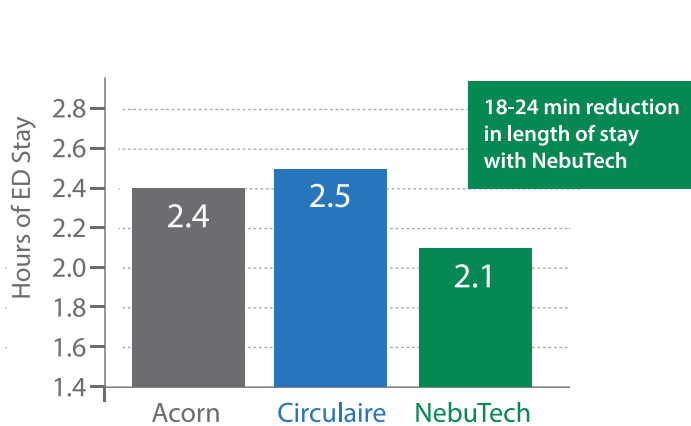
- Significantly shorter length of patient stay in the emergency department
- Significantly reduced hospital admissions
- NebuTech® Reduced Hospital Admissions by⁶:
 - 36% vs. Circulaire (p=0.02)
 - 50% vs. Acorn (p=0.02)

SPEED

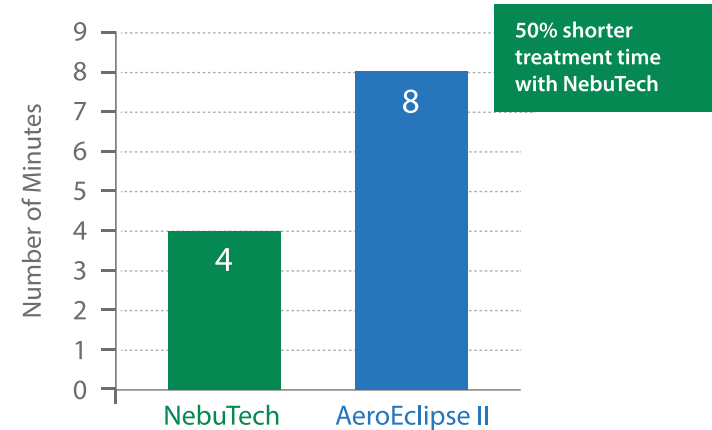
Treatment time is important to both you and your patient. In two independent evaluations, NebuTech delivered an advantage compared with other competing products^{3,4}:

- Significantly shorter treatment times, with an average of 4 minutes per treatment³
- 82% of treatments completed in less than 3 minutes⁴

Pediatric Asthma: Length of Emergency Department Stay⁶



Treatment Time



NEBUTECH® HIGH-PERFORMANCE NEBULIZER WITH EXPIRATORY BACTERIAL/VIRAL FILTER

Disposable, single patient, multiple use

ITEM	DESCRIPTION	PATIENT INTERFACE	CONNECTOR	SUPPLY TUBE	PK
8990-7-50	Disposable Nebulizer with Expiratory Bacterial/Viral Filter	One-Way Valve Mouthpiece	Trumpet	7' (2.1 m)	50
8990TG-7-50	Disposable Nebulizer with Expiratory Bacterial/Viral Filter	One-Way Valve Mouthpiece	Female Thread Grip	7' (2.1 m)	50
8992-7-50	Disposable Nebulizer with Expiratory Bacterial/Viral Filter	One-Way Valve Mouthpiece and Adult Aerosol Mask	Trumpet	7' (2.1 m)	50
8992TG-7-50	Disposable Nebulizer with Expiratory Bacterial/Viral Filter	One-Way Valve Mouthpiece and Adult Aerosol Mask	Female Thread Grip	7' (2.1 m)	50
8995-0-50	Expiratory Bacterial/Viral Filter	–	–	–	50

SunMed Bacterial/Filter media was tested to VFE Efficiency 99.9978% and BFE Efficiency 99.9999% ASTM Standards by Nelson Laboratory. Filter efficiency may vary during use.

NEBUTECH® HIGH-PERFORMANCE DISPOSABLE NEBULIZER FOR HOSPITALS

Single patient, multiple use

ITEM	DESCRIPTION	PATIENT INTERFACE	CONNECTOR	SUPPLY TUBE	PK
8960-7-50**	Disposable Nebulizer	One-Way Valve Mouthpiece	Trumpet	7' (2.1 m)	50
8980-0-25***	Disposable Expiratory Filter Set	–	–	–	25
1301-0-25	Salter Safety PEP Device With Nose Clip	–	–	–	25
1301-0-10	Salter Safety PEP Device With Nose Clip	–	–	–	10
8960-PEP-7-25	Disposable Nebulizer	One-Way Valve Mouthpiece and Salter Safety PEP Device w/ Nose Clip	Trumpet	7' (2.1 m)	25
8984-7-50	Disposable Nebulizer	Adult Aerosol Mask	Trumpet	7' (2.1 m)	50
8960TG-7-50	Disposable Nebulizer	One-Way Valve Mouthpiece	Female Thread Grip	7' (2.1 m)	50
8984-7-50	Disposable Nebulizer	Adult Aerosol Mask	Female Thread Grip	7' (2.1 m)	50
8967-7-50	Disposable Nebulizer	Pediatric Valved Aerosol Mask	Trumpet	7' (2.1 m)	50
8982-7-50	Disposable Nebulizer	One-Way Valve Mouthpiece and Expiratory Filter Set	Trumpet	7' (2.1 m)	50

NEBUTECH® HIGH-PERFORMANCE REUSABLE NEBULIZER* FOR HOMES

ITEM	DESCRIPTION	PATIENT INTERFACE	CONNECTOR	SUPPLY TUBE	PK
8660-7-50**	Reusable Nebulizer	One-Way Valve Mouthpiece	Trumpet	7' (2.1 m)	50
8680-0-25***	Reusable Expiratory Filter Set	–	–	–	25
8685-0-1	Replacement Filter Media	–	–	–	30
8672-7-25	Reusable Nebulizer	One-Way Valve Mouthpiece and Salter Safety PEP Device w/ Nose Clip	Trumpet	7' (2.1 m)	25
8352-8660-7-1	Salter Aire Elite Compressor, Reusable Nebulizer	One-Way Valve Mouthpiece	Trumpet	7' (2.1 m)	1

*U.S. Patent No. *RE33,717, 5,584,28; **6,176,234 | ***Other U.S. and worldwide patents pending*



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