

Let Breathing Take Control

Breath Actuated delivery for true on-demand therapy

AeroEclipse® BAN™

Nebulizers

- ✓ Respirable dose assurance¹
- ✓ Greater lung deposition²
- ✓ Reduced emissions³



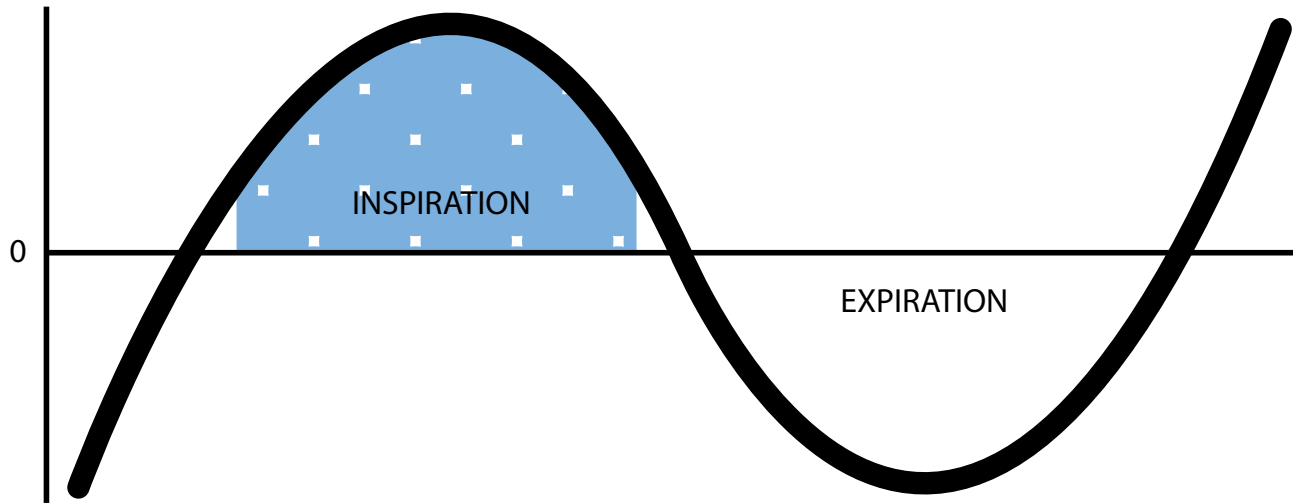
aeroeclipse.com

AERO™

AeroEclipse™

BAN™ Nebulizers

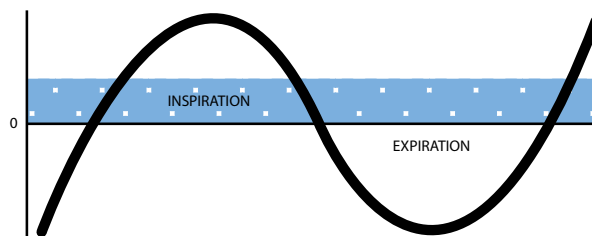
Breath actuated delivery



- Breath actuated delivery only produces aerosol during the inspiratory cycle.
- No medication is lost between breaths or during breaks in treatment.

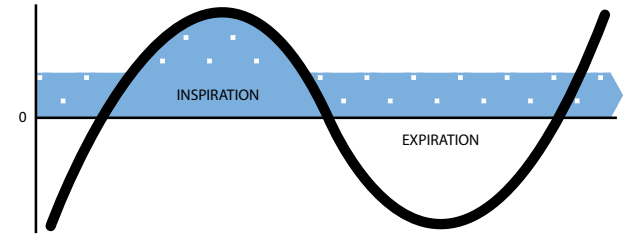
Many nebulizers produce aerosol continuously regardless of patient breathing pattern

CONTINUOUS NEBULIZER



Medication is constantly produced even when the patient exhales — typically 2/3 of each respiratory cycle.

BREATH ENHANCED NEBULIZER



An increase in medication is delivered through the inspiratory cycle, and reduced during exhalation, although still generated.

 = aerosolized medication

Designed with patients in mind

Green feedback button moves down as the patient inhales to encourage slow, deep inhalation.

Mode selector to choose either breath actuated or continuous mode.

Mouthpiece can be removed and replaced with a mask.

Exhalation valve directs exhaled breath away from the face and eyes.

EZ Twist Tubing allows for easy assembly and removal.



AeroEclipse® XL BAN™ Nebulizer shown.



Filter Kit, shown with AeroEclipse® II BAN™ Nebulizer
Filters fugitive emissions (aerosolized medication)⁴, viruses⁵ and bacteria⁵ from the patient's exhaled breath.



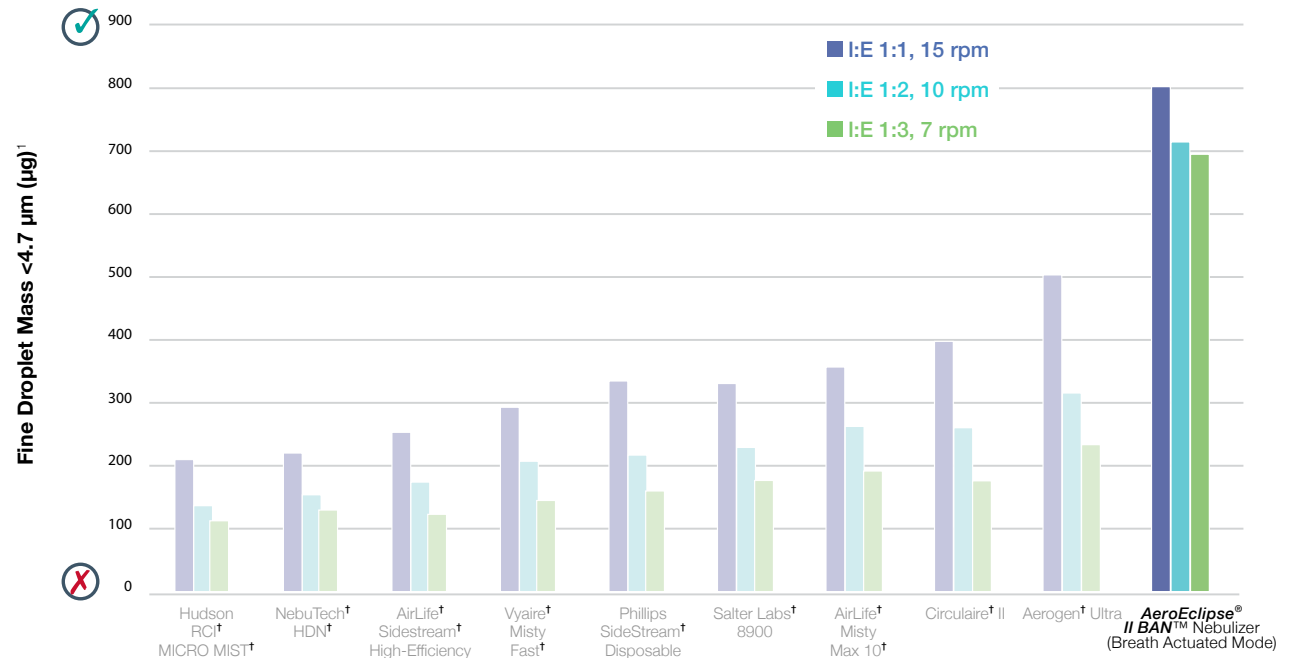
ComfortSeal™ Masks
Soft silicone masks contour gently to the face providing a secure and comfortable fit. Available in small, medium and large sizes.

Dose Assurance



AeroEclipse® BAN™ Nebulizers provide dose assurance independent of inhalation/exhalation ratio¹ which differs between patients and as disease progresses.

Higher and more consistent dose delivery was achieved by the **AeroEclipse® II BAN™** Nebulizer across the range of I:E ratios tested compared to all other types of nebulizers.

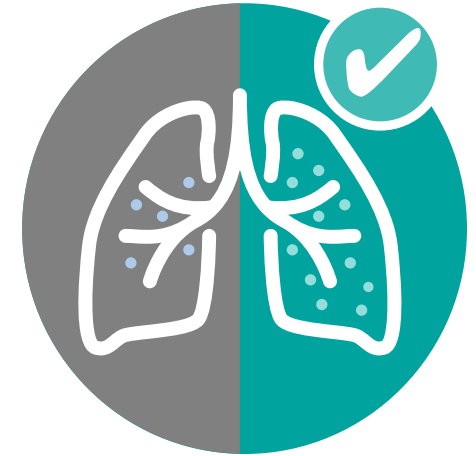


3-mL fill of 2.5 mg salbutamol; tidal volume = 500 mL; $n = 5$ devices/group. The **AeroEclipse® II BAN™** Nebulizer group was operated in breath actuated mode.

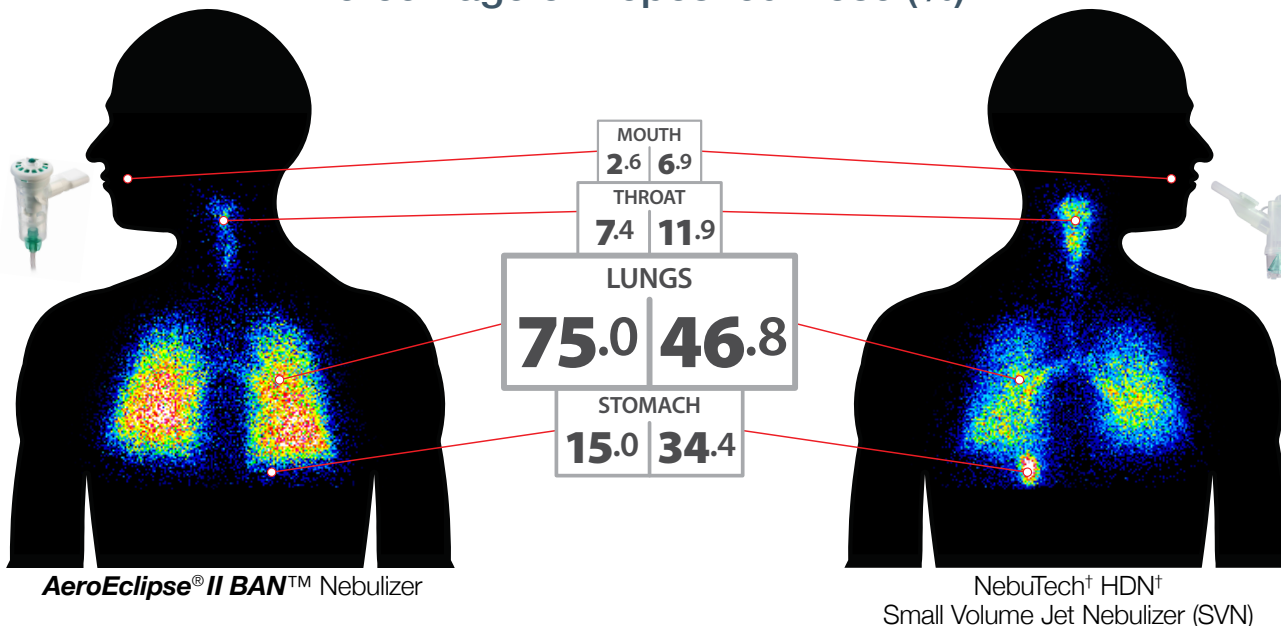
I:E = inspiration:expiration; BPM = breaths per minute

More drug delivered to the lungs

In vivo deposition patterns demonstrate that the **AeroEclipse® II BAN™** Nebulizer delivers more aerosolized medication to the lungs compared to a conventional small volume jet nebulizer. Less aerosolized medication ends up in the stomach with the **BAN™** Nebulizer compared to a conventional small volume jet nebulizer.²



Percentage of Deposited Dose (%)²



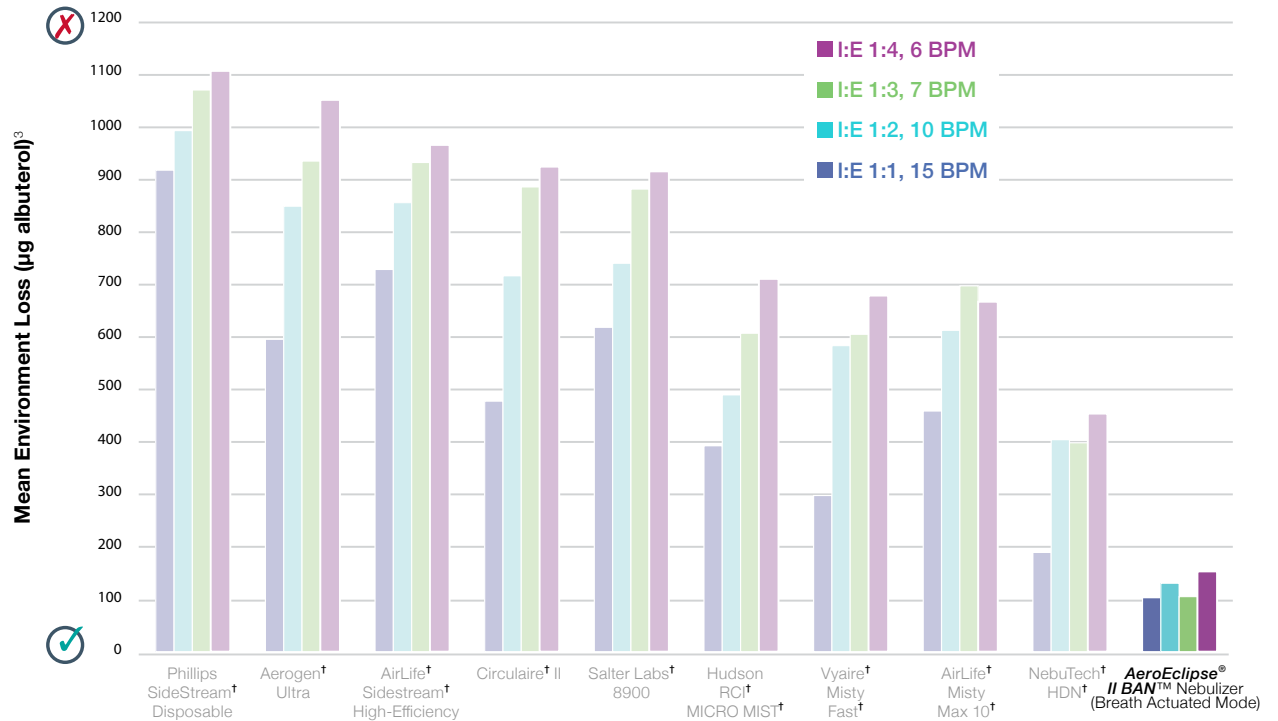
← Sample scintigraphy image. Eight healthy subjects received albuterol (2.5 mg/3 mL) admixed with 2 mCi of Tc-DTPA (Technetium-99m bound to diethylenetriaminepentaacetic acid).

Decreased exposure to harmful emissions

- During nebulizer therapy care providers and bystanders have the risk of inhaling potentially harmful aerosolized emissions.
- Exposure to secondhand medication may increase the risk of respiratory symptoms and conditions.⁶



AeroEclipse® II BAN™ Nebulizer has substantially reduced environmental losses³ compared to non-breath actuated small volume nebulizers.



3-mL fill of 2.5 mg salbutamol; tidal volume = 500 mL; $n = 5$ devices/group. The **AeroEclipse® II BAN™ Nebulizer** group was operated in breath actuated mode.

I:E = inspiration:expiration; BPM = breaths per minute

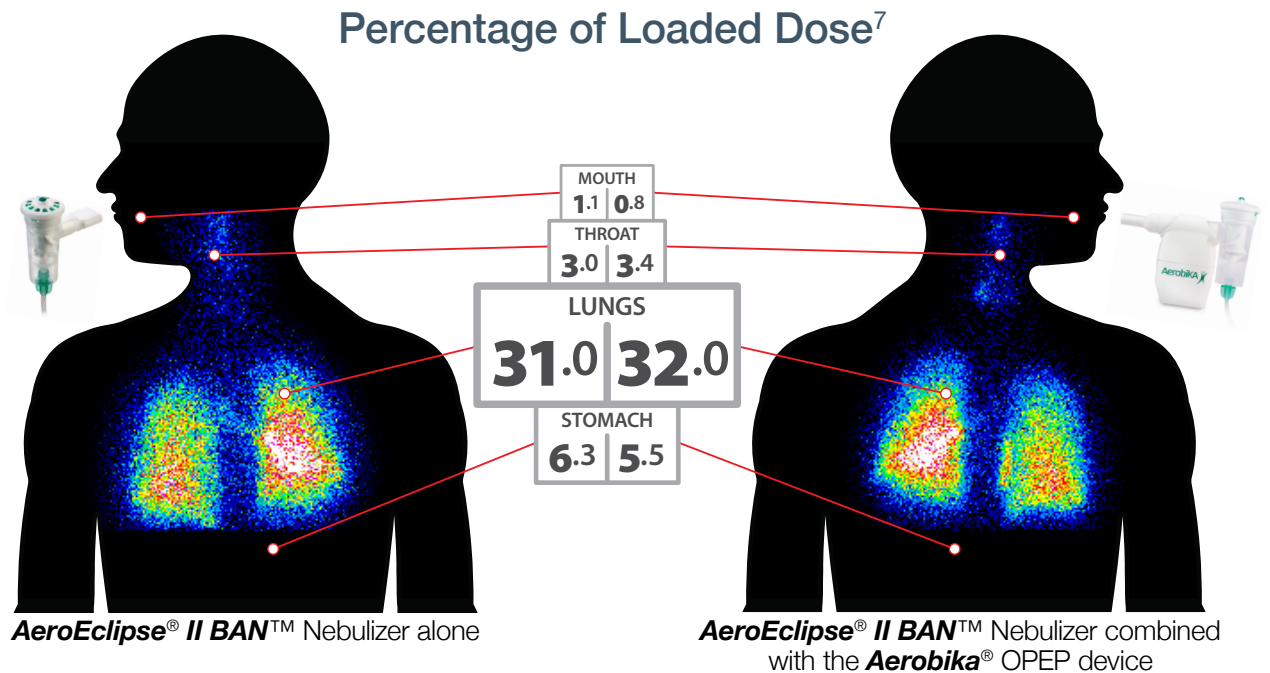


Combined aerosol and OPEP therapy

The **AeroEclipse® BAN™** Nebulizer can be connected directly to the **Aerobika®** Oscillating Positive Expiratory Pressure (OPEP) device for nebulizer therapy during inhalation with secretion mobilization during exhalation.

In vivo deposition pattern demonstrates delivery of medication from the **AeroEclipse® II BAN™** Nebulizer to the lungs is not affected by the incorporation of the **Aerobika®** OPEP device.⁷

Sample scintigraphy image. Eight healthy subjects received albuterol (2.5 mg/3 mL) admixed with 2 mCi of Tc-DTPA (Technetium-99m bound to diethylenetriaminepentaacetic acid).





AeroEclipse™ II

BAN™ Nebulizer

- ✓ 7 days, disposable
- ✓ Single-patient use
- ✓ Ideal for short-term acute care



AeroEclipse™ XL

BAN™ Nebulizer

- ✓ 6 months, reusable
- ✓ Single- or multi-patient use
- ✓ Ideal for the home environment

Pair with an **OMBRA** Table Top Compressor for a complete home delivery system

- ✓ Silicone cover keeps the power switch free of dust and dirt
- ✓ Contoured handle with nebulizer cup holder for added convenience
- ✓ Carrying case keeps treatment accessories organized
- ✓ Package contents: Compressor, two **AeroEclipse® XL BAN™** Nebulizers with mouthpiece and tubing, 5 replacement air filters, carrying case, and instructions



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1 Nagel M, et al. American Journal of Respiratory and Critical Care Medicine 2021;203:A4672. 2 Corcoran T, et al. Respiratory Care 2019;64(10):3235-3916. 3 Nagel M, et al. Respiratory Drug Delivery 2021;11:287-292. 4 TMI. Data on file 30 August 2020. 5 Breathing Filter Product Report, 24 October 2020, on file TMI. 6 Dimich-Ward H, et al. CHEST. 2004;126(4):1048-1053. 7 Nagel M, et al. European Respiratory Journal 2019;54:PA4529. IMD-235A-1122 @TMI trade-marks of Trudell Medical International (TMI). † trade-marks of their respective companies. © TMI 2022. All rights reserved.