

AeroEclipse*

Breath-Actuated Nebulizer



The precision of an MDI in a small volume nebulizer.

A new technology.

Breath actuation is the most significant advancement in the history of small volume nebulizers (SVN). Only the **AeroEclipse*** Breath-Actuated Nebulizer (BAN) can deliver the precision of an MDI in a SVN.

Top performance.

The **AeroEclipse*** BAN creates aerosol in response to the patient's inspiratory maneuver. This is patient on-demand therapy and means less medication waste, safer environments and clinical dose assurance.

For all your patients.

The **AeroEclipse*** BAN is designed to meet your needs throughout the hospital – from the floor to the Emergency Department, from solution to suspension and from pediatric to adult. The new **ComfortSeal*** silicone reusable mask adds the flexibility to treat patients unable to use a mouthpiece.



Less Medication Waste, Safer Environments, Clinical Dose Assurance



ComfortSeal* Masks are Latex-free

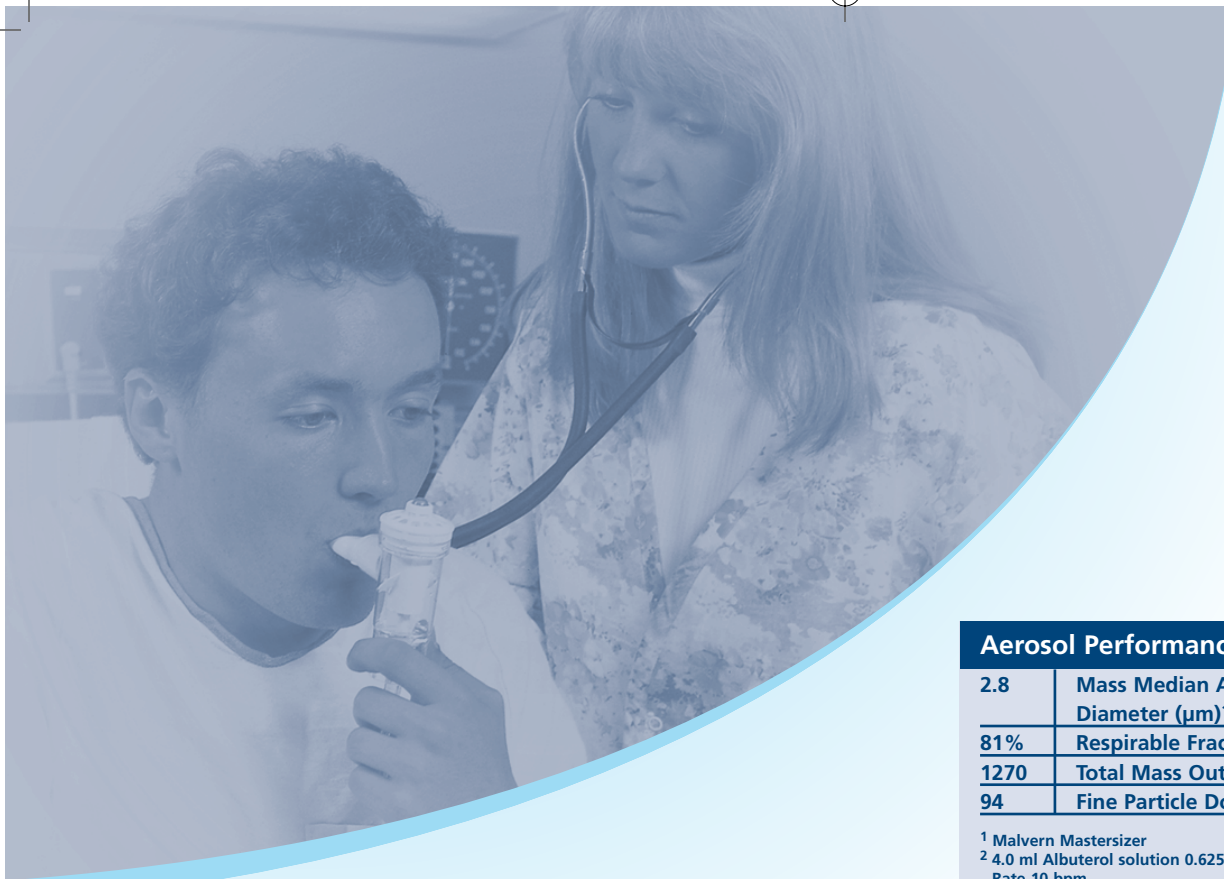


Trudell Medical International

www.trudellmed.com

AeroEclipse*

Breath-Actuated Nebulizer



Breath-Actuated, Small-Volume Nebulizer

The **AeroEclipse*** Breath-Actuated Nebulizer (BAN) is an on-demand patient therapy and represents an exciting new generation in Jet Nebulizers. Developed at our internationally-recognized advanced aerosol lab, it is a true breath-actuated, single-patient use, small volume nebulizer. The **AeroEclipse*** BAN offers patients and caregivers new and unparalleled benefits including:

True Breath Actuation

Unlike continuous devices, the **AeroEclipse*** BAN produces aerosol only in response to the patient's inspiratory maneuver – patient on-demand therapy.

Less Waste and Improved Dose Assurance

The **AeroEclipse*** BAN delivers virtually all of the aerosolized drug to the patient resulting in less waste, greater clinical dose assurance and better patient compliance.

Safer Environments

The **AeroEclipse*** BAN has an unrivaled low level of drug loss to the environment and virtually eliminates drug contamination to the healthcare worker.

Exceptional Clinical Performance

Ideal particle size and high mass output maximize respirable dose and enhance deposition. A high drug delivery rate means potentially shorter treatment times (See chart.)

Reliable Quality

Uncomplicated design – together with advanced manufacturing techniques under a registered ISO 13485 quality management system – delivers a product with consistent performance.

Ease of Use

Bold fill lines, spill-resistant design, manual override, and biofeedback feature – the **AeroEclipse*** BAN is easy to fill, assemble and use.

Aerosol Performance

2.8	Mass Median Aerodynamic Diameter (μm) ¹
81%	Respirable Fraction ($\% < 4.8\mu\text{m}$) ¹
1270	Total Mass Output (μg) ²
94	Fine Particle Dose per minute (μg)

¹ Malvern Mastersizer

² 4.0 ml Albuterol solution 0.625 mg/ml, 8 lpm, 50 psi, V^t 0.6L, Rate 10 bpm

The **AeroEclipse*** BAN is the first SVN to use moving parts – a mechanism – to optimize aerosol delivery. Shown below at maximum inhalation.

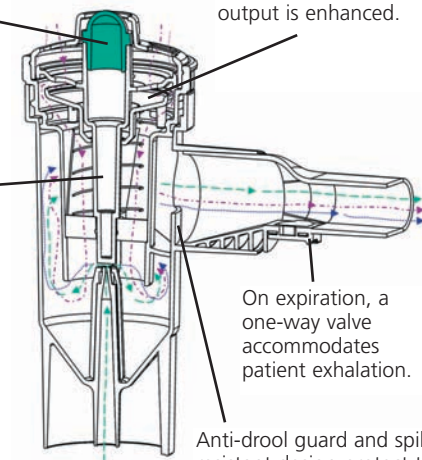
Supplied Air Entrained Air Aerosol

The green button on top of the **AeroEclipse*** BAN moves up and down signaling the patient when the device is actuated.

On inspiration air is entrained and aerosol output is enhanced.

On inspiration, the actuator piston moves down, causing aerosol to be produced.

On expiration, it moves back up to the rest position and aerosol production stops completely until the patient's next breath.



On expiration, a one-way valve accommodates patient exhalation.

Anti-drool guard and spill-resistant design protect the charge from contamination and loss.



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REGISTERED
ISO 13485
QUALITY SYSTEM