

AeroEclipse* II Breath Actuated Nebulizer is the most significant advancement in the history of small volume nebulizers

INTRODUCING

AeroEclipse* II Breath Actuated Nebulizer *Confidence in Aerosol Delivery*



Ultimate dose assurance of inhaled aerosol that also may provide for a safer healthcare and patient environment^{1,2}

The Benefits of a Breath Actuated Nebulizer (BAN)

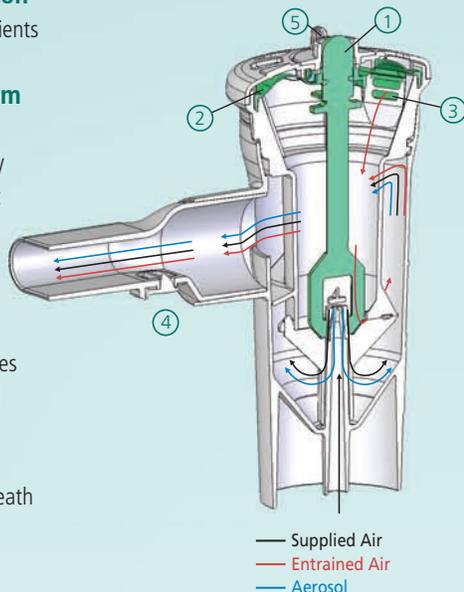
- Virtually no aerosol is produced during expiration
- Clinical dose assurance
- Environmental protection for caregivers and healthcare providers
- Less wasted medication

AeroEclipse* II

Breath Actuated Nebulizer

Innovative AeroEclipse[®] II BAN Features

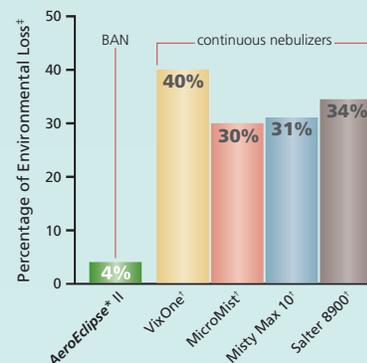
- ① **Green Feedback Button**
– Signals actuation for patients and caregivers
- ② **AeroControl[®] System Regulator** – Enhances actuation sensitivity to only 15 lpm of inspiratory effort
- ③ **Air Entrainment** – Improves delivery of fine particle mass
- ④ **One-Way Exhalation Valve** – Virtually eliminates the mixing of inspirate and expirite
- ⑤ **Mode Selector** – Convenient selection of Breath Actuated or Continuous operational modes



Less Clinician Drug Exposure from the AeroEclipse[®] II BAN

“It is important for respiratory therapists and other medical professionals to recognize and understand the possible respiratory effects related to the administration of aerosolized substances and take appropriate steps to minimize their exposure to these medications during patient diagnostic procedures and treatments.”¹

Fugitive Emissions³ – Albuterol[†]



[†] Mass loss includes drug that escaped from the nebulizer to the surrounding atmosphere together with trace amounts left behind in the ampoule

Product Specifications

Feature	AeroEclipse [®] II
Reorder Number – Case of 50 units (Includes: AeroEclipse [®] II BAN, mouthpiece, supply tubing, patient instruction sheet)	10550191050 Size: Package(Single Unit) 24cmx189cmx8cm (9.5"x7"x3") Carton(50/Box) 50cmx26cmx40cm (19.5"x10"x15.5") Weight: Package(Single Unit) 82 grams (0.18lbs) Carton(50/Box) 4.54 kg (10lbs)
Delivery Method	Spontaneous Breathing
Nebulizing Method	Breath Actuated or Continuous Mode
Actuation Flow Rate	15 lpm
Fill Lines	External molded: 0.5ml to 6 ml Internal molded: 1 ml
Operating Flow Rate	7-8 lpm, 50 psi
Air Entrainment	Yes – through the top
Visual Actuation Feedback Indicator	Yes
Drool Guard	Yes
Latex Free	Yes
Removable Mouthpiece	Yes
Operating Angle	Up to 45 degrees

Aerosol Performance

Fine Particle Fraction* (% < 4.8 microns)	78.4%
Mass Median Aerodynamic Diameter* (MMAD)	2.8µm
Breath Actuated Mode* Respirable Dose to Sputter (2.5mg albuterol, UD)	791µg
Breath Actuated Mode Respirable Dose / Minute	97µg
Breath Actuated Mode Respirable Dose to Sputter (2.5mg albuterol, 0.5ml/0.5ml)	568µg
Breath Actuated Mode Respirable Dose per Minute	298µg
Continuous Mode* Respirable Dose to Sputter	378µg
Continuous Mode* Environmental Aerosol Emissions (3.0ml UD albuterol)	Breath Actuated Mode 4%

* TMI Aerosol Lab, Data on File. 3.0ml Albuterol Solution 0.83mg/ml, 8 L/min 50psi, tidal volume 0.6L, rate 10bpm, 33% duty cycle as inhalation

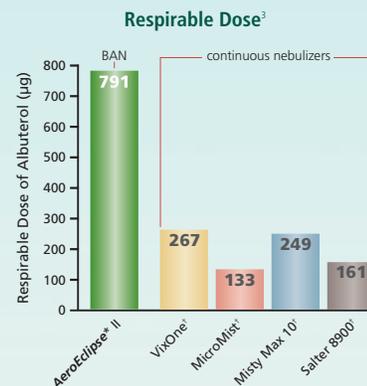
REGISTERED
ISO 13485
QUALITY SYSTEM



ISO CLASS 8
CLEANROOM MANUFACTURING

Superior Aerosol Performance

When using the AeroEclipse[®] II BAN – Titrate the dose to the lowest dose at which effective control of asthma is maintained.⁴



Trudell Medical International[®]

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References:

¹ Respiratory Therapists Twice as Likely to Have Asthma Than Other Therapists – Exposure to Patient Treatments May Increase Therapists' Asthma Risk, Canadian Society of Respiratory Therapists News, Oct. 2004. ² Carnathan B, Martin B, Colice G. Second Hand (S)-Albuterol: RT Exposure Risk Following Racemic Albuterol. Respiratory Care, October 2001, Vol. 46, No. 10. ³ TMI Aerosol Lab, Data on File. 3.0ml albuterol solution 0.83mg/ml, 8L/min, 50psi, tidal volume 600 mL, Rate 10bpm, 33% duty cycle as inhalation (breath actuation mode). ⁴ British Thoracic Society, British Guideline on the Management of Asthma, Nov. 2005:4.2.2.

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