

NebHME®



- ✓ Proprietary ACAH™ technology that allows the aerosol to conduit through the HME filter
- ✓ Prevents PEEP Loss, increases drug deposition, eliminates nebulization of patient's own secretions & reduces chances of infection
- ✓ Next Generation HME with 3 Layer Air Filtration System



Easy2Neb™

World's First NIV Full Face Mask with Universal Nebulization Ports

- ✓ The Nebulizer port is between the expiratory port and the mask leading to higher deposition rates
- ✓ Compatible with all types of Nebulizers such as -
 - Jet Nebulizer
 - Ultrasonic Nebulizer
 - MDI
 - Vibrating Mesh
- ✓ Nebulization works in any patient position

- ✓ Globally, the most advanced Aerosol Delivery System that exceeds the current international guidelines on Aerosol Delivery in ICU
- ✓ Advanced ACAH™ technology that assists in reducing hospital acquired infections in the ICU
- ✓ Conceptualized, Designed and Manufactured in INDIA by PneumoCare Research Labs



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Design & Patent Registered

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Ordering Information:

PCNH	: NebHME
PC-BAN	: BANSet Ventilator dual limb kit
PCH-ABAN-NEBP/D	: NebHME BANSet
PCH-ABAN-NEB-CH	: NebHME BANSet with Catheter Mount
PCH-ABAN-NEB-CCV	: NebHME BANSet with Catheter Mount & Pingu Valve
PCH-IVLT	: Pingu Valve with T Piece
PCH-MDI-1	: MDI Adapter
PCH-CH	: Catheter Mount



Single Patient Use
Medical Disposable

* Optional, ** Replace NebHME every 24 Hrs.



PneumoCare™

www.pneumocare.com

NebHME® BAN SET

NebHME®

Easy2Neb™

Conceptualized
Designed
& Made
in
INDIA



**INDIA
DESIGN
MARK**

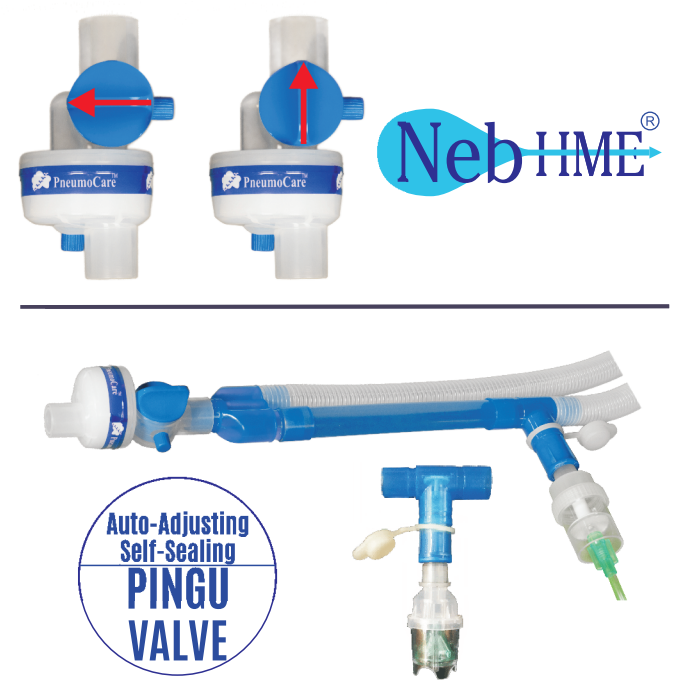




NebHMEBAN SET
NebHME Breath Actuated Nebulisation
Tubing Set for Ventilators

Frequent disconnection of Tubing Set to deliver Nebulization exposes patients to ICU infection. Aerosol Delivery in Mechanical Ventilation has also remained to be a challenge. Several Studies suggest the discontinuation of Heated Humidification during Aerosol Delivery as it leads to almost 40% reduction in drug deposition in a large segment of patients & a potential source of infection. Therefore, the use of HME has become common and convenient.

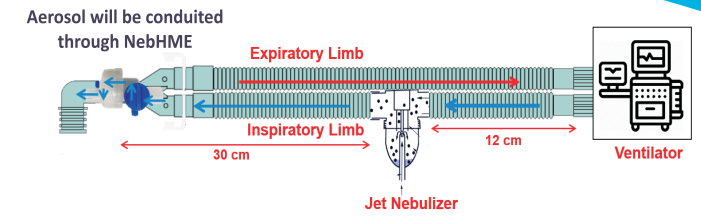
NebHMEBAN SET is world's first advanced closed tubing set for ventilators which obviates the need for disconnecting HME when nebulization is needed, optimizes drug delivery and reduces infection significantly.



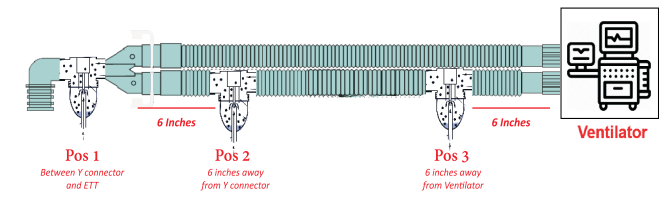
Auto-Adjusting
Self-Sealing
**PINGU
VALVE**

ADVANCED INNOVATIONS FOR MECHANICALLY VENTILATED PATIENTS

- ✓ Advanced Infection Control Closed Tubing Set
- ✓ True Breath Actuated Nebulization
- ✓ Conduit Access for Aerosol through HME
- ✓ Integrated PINGU Self Sealing Valve for Nebulization*
- ✓ Compatible with any Nebuliser
- ✓ Optimises Drug Deposition
- ✓ No need to disconnect tubing to deliver Aerosol



✓ Aerosol deposition Optimization techniques suggest placement of nebulizer 30cms from Tracheostomy with Mesh based nebulizers



Nebulizer Position	Position 1 Between Y & ETT	Position 2 6 inches from Y	Position 3 6 inches from Ventilator
Jet Nebulizer	7.62 (0.9)	9.66 (1.5)	14.66 (1.5)
Vibrating Mesh	14.54 (1.0)	30.24 (1.0)	24.20 (1.2)

Ari et al, Respir care 2010 demonstrated placement of various nebulizers in different locations in the inspiratory Limb which optimized aerosol delivery.