

Vibrating Mesh Nebulization System

High Performance Aerosol Drug Delivery



wellead

How it works?

The Vibrating Mesh Nebulizer efficiently converts liquid medication into a fine aerosol using vibrating mesh technology, ensuring uniform particle size for effective respiratory drug delivery.



- W Micro-apertures:** The mesh nebulizer is perforated with thousands of precision-formed, conical holes
- W Vibrating at high frequency:** When energy is applied, the aperture plate vibrates at 100,000+ times a second
- W Built-in PI (Polyimide) mesh:** It produces a fine and consistent aerosol, achieving lung deposition of medication and increasing drug efficacy

Well Lead Vibrating Mesh Nebulizer enables effective medication delivery across multiple respiratory modalities throughout the patient's respiratory care pathway.



With Breathing Circuit

- Closed-circuit design minimizes fugitive aerosol release during nebulization
- Mainly used for patient receiving IMV, NIV, HFNC, SV treatment



Features

Efficient Aerosol Delivery

- Fine and consistent aerosol ensures higher drug deposition
- Lower residual volume reduces drug waste and improves usage
- Adjustable nebulization rate for tailored therapy
- Delivers all medications approved for standard nebulizers

Smart & Versatile Design

- Dual modes: AeroSense Mode & Time Mode
- Auto frequency tracking (FreqMatch) at startup
- Compatible with ventilator and non-ventilator use
- Quick & easy setup
- Single-patient use, up to 28 days

Silent & Comfortable Therapy

- Silent operation for a calming environment
- Suitable for all patient populations



With AeroTank Kit

- Hand held, compact and portable
- Maximize aerosol delivery efficiency and minimize waste
- Aerosol storage
- Used for patient with self-ventilation nebulization



With Tracheostomy Tube

- Fully conforms to the patient's incision and positioning
- Rotatable connector accommodates any patient's posture
- Connecting tube serves as a medication reservoir
- One-way valve prevents aerosol loss during exhalation
- Expandable length up to 15 cm

For Mechanically Ventilated Patients

Features

- Maintains a closed ventilation circuit, no open-circuit medication dosing
- Driven by electricity, no air source required



Description	Applicable	REF No.
VMN System: Controller with accessories* and consumables*	Adult	R01N012010
VMN System: Controller with accessories* and consumables*	Pediatric	R01N012020
Nebulizer with Adult Y piece with plug	Adult	R01L012010
Nebulizer with Pediatric Y piece with plug	Pediatric	R01L012020

*Accessories include: AC/DC Adaptor, Adaptor Plug, Mounting Bracket, USB Cable

*Adaptor Plug: plug type selectable based on regional standards

*Consumables include: 2 × Nebulizer, 2 × Y-Piece with plug

Connecting the nebulizer with Y-Piece into the inspiratory limb of the breathing circuit before the patient Y connector

The nebulizer can be placed between the ventilator and the dry side of the humidifier

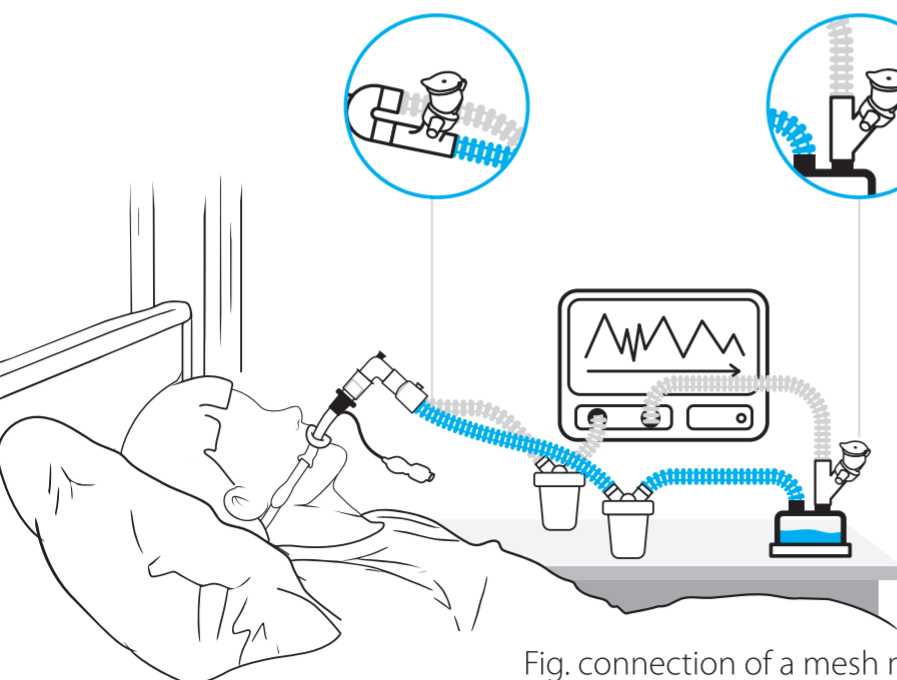


Fig. connection of a mesh nebulizer and Y-piece in a breathing circuit

For Patients Receiving High-flow Oxygen Therapy

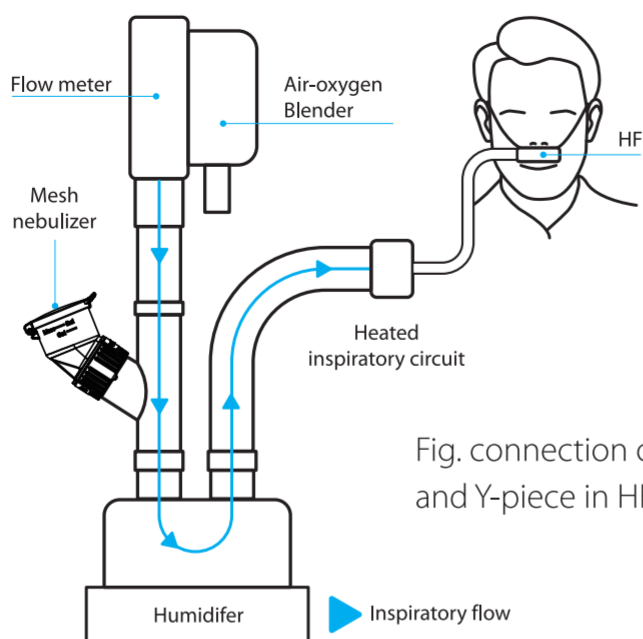


Fig. connection of a mesh nebulizer and Y-piece in HFNC



For Spontaneously Breathing Patients

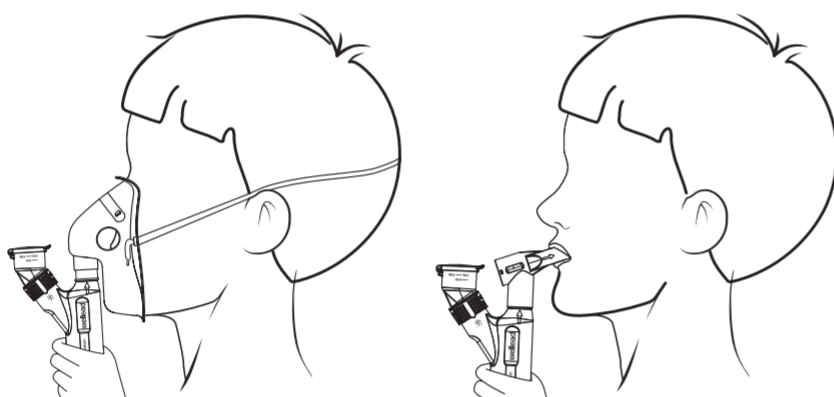


Fig. connection of a mesh nebulizer with AeroTank, AeroMask or Mouthpiece



Description

Applicable

REF No.

VMN System: Controller with accessories* and AeroTank Kit*	Pediatric	R01N016130
Nebulizer with AeroTank and AeroMask*	Pediatric	R01L013030
Nebulizer with AeroTank and Mouthpiece*	/	R01L014110
AeroTank Kit*	Pediatric	R01L023130

*Accessories include: AC/DC Adaptor, Adaptor Plug, Mounting Bracket, USB Cable

*Adaptor Plug: plug type selectable based on regional standards

*AeroTank Kit include: 1 × AeroTank, 1 × AeroMask, 1 × Mouthpiece

*More options for AeroMask size: Adult, Large Adult, Large Pediatric, Infant

*An oxygen tube is included. If not required, it can be removed from the package

For Tracheostomized Patients

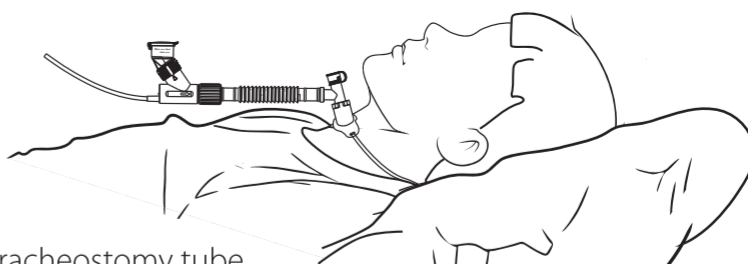


Fig. connection of a mesh nebulizer to a tracheostomy tube

Description	REF No.
VMN System: Controller with accessories* and AeroTank Kit*	R01N015110
Nebulizer with Tracheostomy Tube and Catheter Mount*	R01L015110

*Accessories include: AC/DC Adaptor, Adaptor Plug, Mounting Bracket, USB Cable

*Adaptor Plug: plug type selectable based on regional standards

*Consumables include: 1 × Tracheostomy Tube, 1 × Catheter Mount

*An oxygen tube is included. If not required, it can be removed from the package

Controller Kit

Description	REF No.
Controller with accessories*	R01M012010

*Accessories include: AC/DC Adaptor, Adaptor Plug, Mounting Bracket, USB Cable

*Adaptor Plug: plug type selectable based on regional standards



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