

# Vibrating Mesh Nebulization System

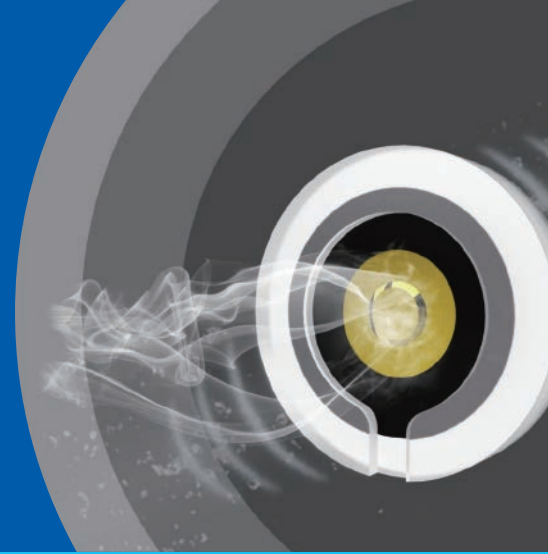
High Performance Aerosol Drug Delivery



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 x Nebulizer, 2 x 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

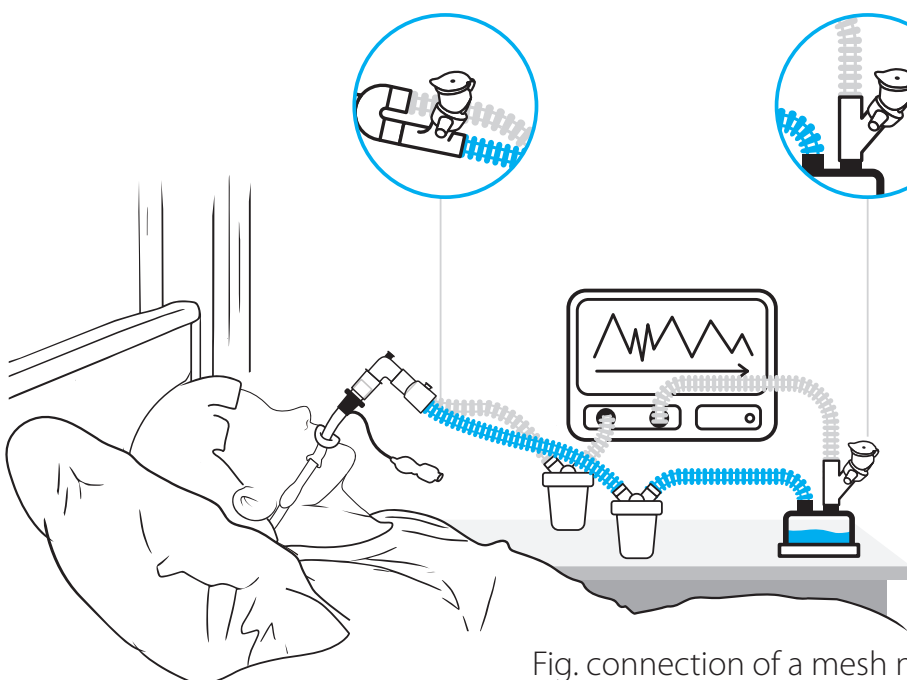


Fig. connection of a mesh nebulizer and Y-piece in a breathing circuit

## For Patients Receiving High-flow Oxygen Therapy

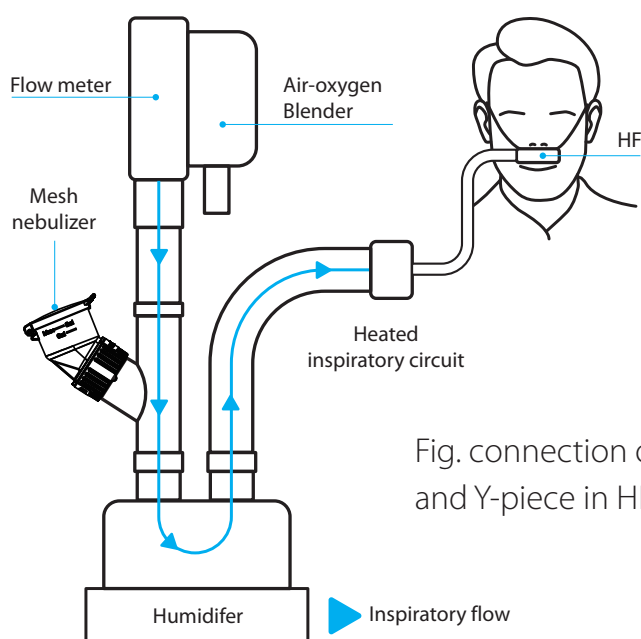


Fig. connection of a mesh nebulizer and Y-piece in HFNC



## For Spontaneously Breathing Patients

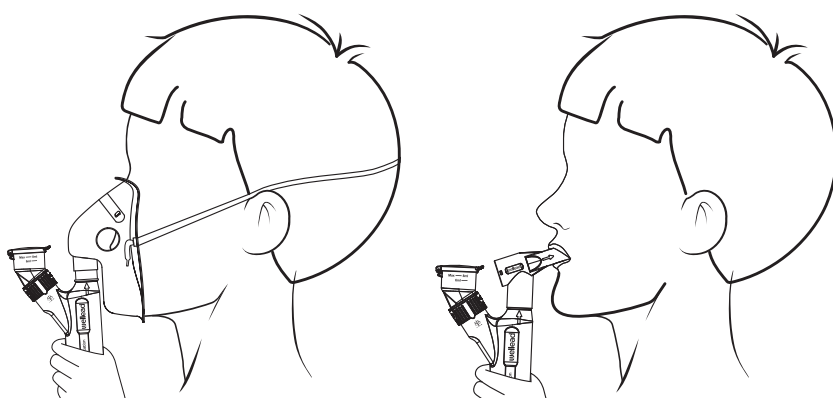


Fig. connection of a mesh nebulizer with AeroTank, AeroMask or Mouthpiece



### Description

### Applicable

### REF No.

|                                                            |           |            |
|------------------------------------------------------------|-----------|------------|
| VMN System: Controller with accessories* and AeroTank Kit* | Pediatric | R01N016130 |
| Nebulizer with AeroMask*                                   | Pediatric | R01L013030 |
| Nebulizer with 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

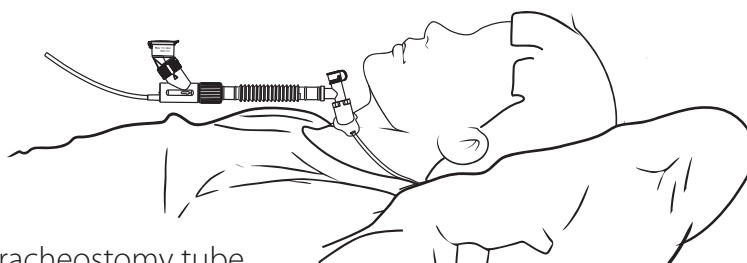


Fig. connection of a mesh nebulizer to a tracheostomy tube

## Description

## REF No.

VMN System: Controller with accessories\* and consumables\*

R01N015110

Nebulizer with tracheostomy tube\*

R01L015110

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

\*Adaptor Plug: plug type selectable based on regional standards

\*Consumables include: 1 x Tracheostomy Tube, 1 x Catheter Mount

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

## Controller Kit

## Description

## REF No.

Controller

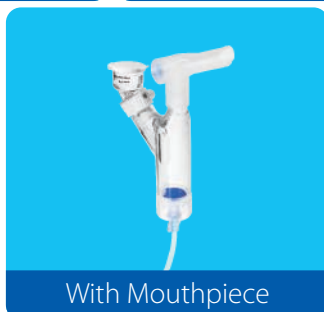
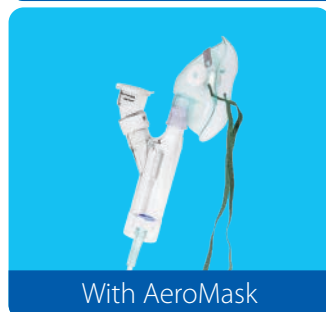
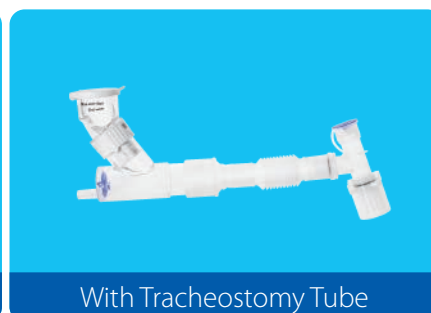
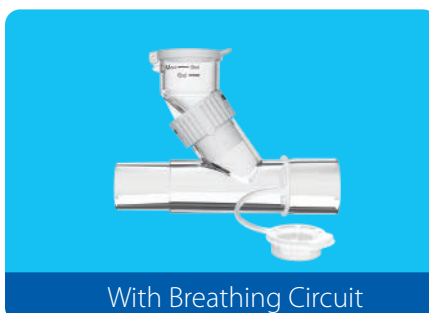
R01M011010

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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