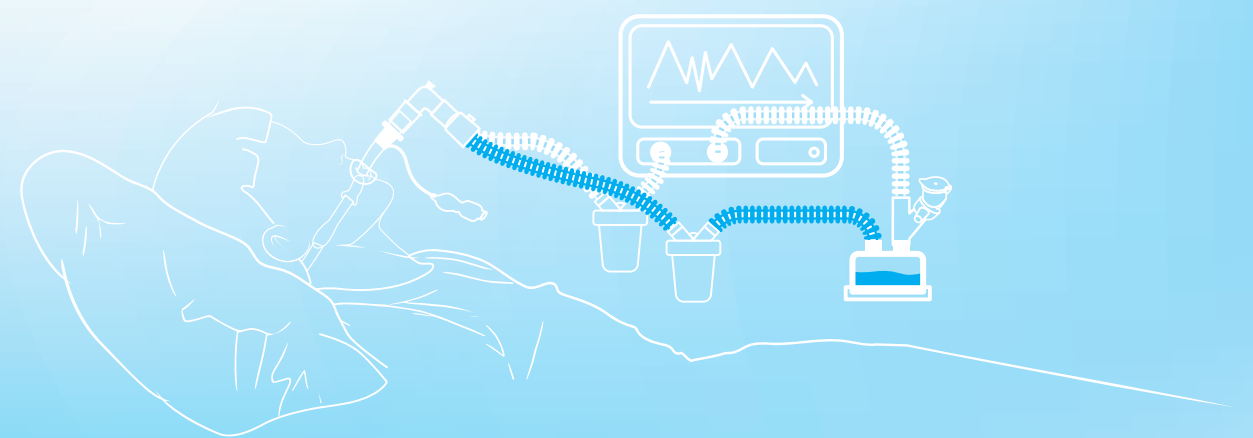


# Vibrating Mesh Nebulization System

- High Performance Aerosol Drug Delivery
- Using with Mechanical Ventilated Patients



## WELL LEAD MEDICAL CO., LTD.

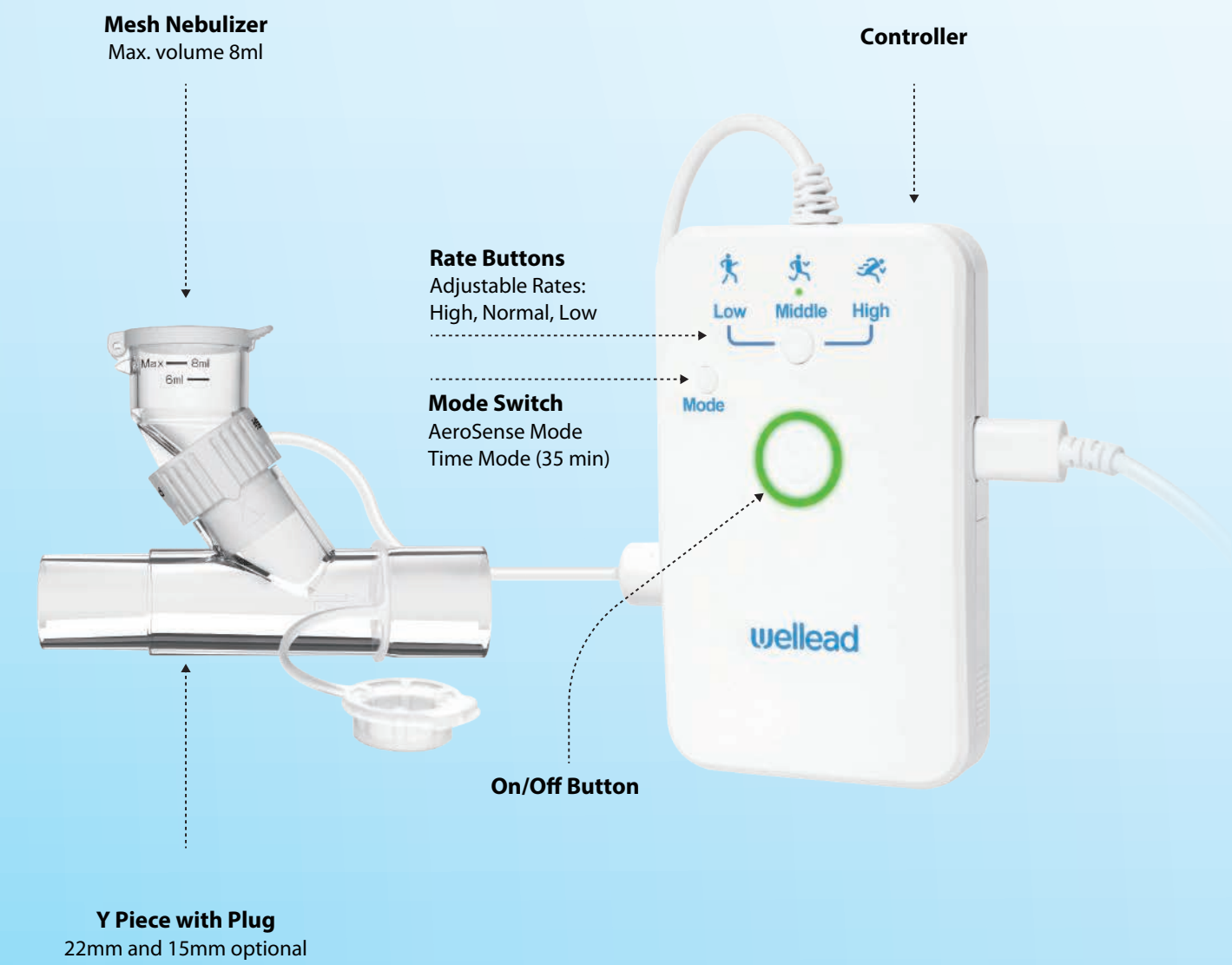
Address: 47 Guomao Avenue South, Panyu, Guangzhou, China  
 Tel: +86-20-84758878 Fax: +86-20-84758224 Post Code: 511434  
 Marketing & Trading Office  
 Add: RM 805, No 55, 21 Long, Pusan Road, Shanghai, China  
 Tel: +86-21-58397623 Fax: +86-21-58397615 Post code: 200125  
 E-mail: info@wellead.com.cn www.wellead.com

Vibrating Mesh Nebulization System

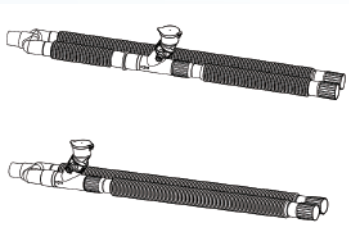
Perforated with over 4,000 precision formed conical structure holes. When energy is applied to it, the aperture plate vibrates at 100,000+ times a second, producing a fine and consistently sized aerosol to achieve lung deposition of medication.

Intended Use

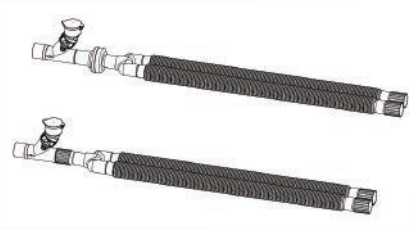
Well Lead Vibrating Mesh Nebulization System, which produces a fine and consistent aerosol, is commonly used for acute care patient under mechanical ventilation, suitable for all age patients.



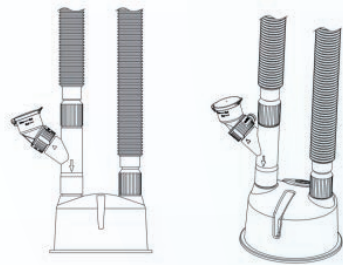
Installation for Use with a Ventilator



Mesh nebulizer placed in the circuit



Mesh nebulizer placed between the wye and ET tube/HME



Mesh nebulizer placed on dry side of the humidifier

Features

Effectiveness

- Applying vibrating mesh technology, produces a fine and consistent aerosol
- Flow rate is adjustable, meets different nebulization therapy requirements
- No heat produced, suitable for nebulization of protein drug
- Auto-tracking frequency function at startup improves nebulization and device stability

Safe to use

- No open-circuit dosing, no risk of leakage, protecting doctors and patients from cross-infection
- No air source required, no impact on ventilation
- Located above the breathing circuit without the risk of humification

Easy to use

- Automatic shutdown when nebulization is finished
- Silent design to improve patient comfort
- Can be placed at any position of breathing circuit

Specifications

|                                         |                                                                                      |                                                                 |
|-----------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Particle size                           | MMAD: 3.2±25%µm (Laser Diffraction)                                                  |                                                                 |
| Residual liquid                         | <0.1ml                                                                               |                                                                 |
| Volume                                  | Up to 8ml                                                                            |                                                                 |
| Aerosol output rate (As ISO 27427:2023) | Adjustable:                                                                          | Low: >0.15 ml/min<br>Medium: >0.25 ml/min<br>High: >0.35 ml/min |
| Others                                  | Auto-tracking frequency function at startup<br>Support "non-drug detection" function |                                                                 |
| Service life                            | Controller: 5 years<br>Nebulizer: single patient up to 28 days                       |                                                                 |

Power supply

|                      |                                         |
|----------------------|-----------------------------------------|
| AC power             | 100-240V 50/60 Hz <5W                   |
| Length of power cord | Power cord: 1.2m<br>Control line: +1.8m |

Safety requirement

|                      |                                                                                                                                                                                          |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating conditions | Temperature: +5°C to +40°C<br>Humidity: ≤93% relative humidity<br>Atmospheric Pressure: 86 kPa to 106 kPa                                                                                |
| Transport Conditions | Temperature: -15°C to +49°C<br>Humidity: ≤90% relative humidity                                                                                                                          |
| Storage conditions   | Store in a cool and dry place, keep away from sunlight.<br>Protect product from moisture and excessive heat.<br>Avoid prolonged exposure to ultraviolet, sunlight and fluorescent light. |