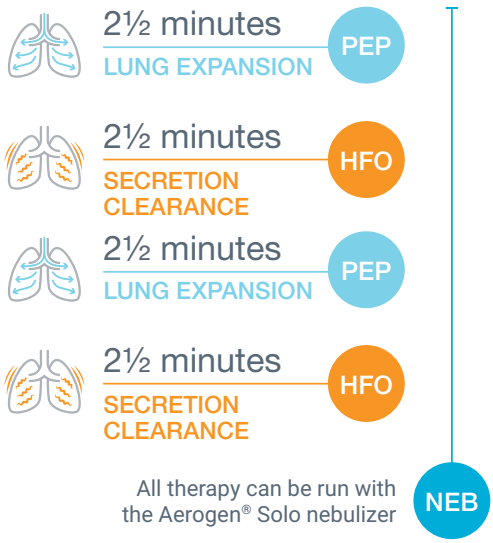
BiWaze® Clear SYSTEM

For Hospital Care

Advanced Airway Expansion and Clearance

BiWaze® Clear System provides oscillating lung expansion (OLE) therapy to help treat and prevent atelectasis, remove retained secretions from deep in the lungs and reduce work of breathing. BiWaze® Clear expands and clears the airways through a combination of airway clearance therapies in just 10 minutes*. Alternating therapies of lung expansion (PEP) and high-frequency oscillation (HFO) combined with nebulization** (NEB) help calm inflamed airways and thin mucus.

Reduces therapy time to 10 minutes*



Differentiators

- Up to 3x more expiratory flow with high-frequency oscillations to help mobilize mucus from distal to central airways.[1]
- Delivers up to 4.5x more aerosol to the lungs compared to a leading OLE system.[2]
- Closed-circuit design featuring the Aerogen® Solo nebulizer with a built-in controller.**
- Stores up to 10 therapy profiles with customizable naming for personalized treatment.
- Dual-blower platform with closed-loop feedback, designed to adapt in real time to changing lung dynamics and deliver precision-controlled flow.[1]
- Advanced therapy programming allows customization of each therapy phase for patient-specific treatment.
- Intuitive and portable (9 lb) with a simple touchscreen control and built-in lithium-ion battery.

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Superior Aerosol Delivery

In vitro study found BiWaze Clear delivers a greater deposition of aerosol to the lungs compared to other OLE systems. The closed, dual-lumen breathing circuit with the Aerogen nebulizer** significantly improves aerosol delivery efficiency.[2]

4.5x more aerosol during PEP therapy[2]

2.2x more aerosol during HFO therapy[2]

8.5x less fugitive aerosol[2]

Reduction in Pulmonary Complications (PPCs) with OLE therapy[3]

REDUCTION in PPCs for all Patients
↓ **31%**
from 22.9% to 15.8%

REDUCTION in PPCs for Intubated Patients
↓ **47%**
from 69.8% to 36.7%

REDUCTION in Length of Stay (Days)
↓ **1.6 days**
from 8.40 to 6.78

REDUCTION in Time on Ventilator
↓ **64%**
from 94.1 to 29.7 hours

TARGET PATIENT POPULATION

BiWaze® Clear can be used across the continuum of care, from hospital to home, for both pediatric and adult patients.

DEPARTMENTS

- Emergency
- ICU
- Medical/Surgical
- Pediatrics
- Bariatrics
- Trauma/Burn
- Transplant
- Rehab
- Subacute
- Long-term care

PATIENT CONDITIONS

- Pneumonia
- Respiratory failure
- Cardiothoracic surgery
- Postoperative
- Pulmonary exacerbation
- Spinal Cord Injuries
- Stroke
- COPD
- Cystic fibrosis
- Bronchiectasis
- Trauma/Burn
- Shallow breathing/ hypoventilation
- Inadequate airflows
- Mucus plugging
- Pain associated with chest wall injury or incisions

GOVERNMENT PROGRAMS

Contract Number:
FSS 65IIA
36F79719D0027

Distributor:
First Nation Group

* Therapy time may differ depending on patient needs and ordered therapies.

** FDA cleared for saline solution only with nebulizer

1. DiBlasi, Robert, Nicholas Kontoudios, and Howard KenKnight. Assessment of Oscillatory Pressure and Flow Waveforms With the BiWaze® Clear System: A Study in Vitro. Seattle Children's Hospital & Research Institute; ABM Respiratory Care, 2025. https://abmrc.com/wp-content/uploads/2025/02/BiWaze-Clear-Spontaneous-Breathing-Oscillation-Comparison-1.pdf.
2. Kontoudios N, KenKnight HR, DiBlasi RM. In Vitro Comparison of Aerosol Delivery in High-Frequency Assisted Airway Clearance Devices With Integrated Nebulizers. *Respir Care.* 2024 Sep 26;69(10):1221-1230.
3. Huynh, T., et al. Efficacy of Oscillation and Lung Expansion in Reducing Postoperative Pulmonary Complication. *Journal of the American College of Surgeons* 229(5):p 458-466e1, November 2019.

℞ Only

RESOURCES

Website

Overview Video

Training Video

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