BiWaze® Cough SYSTEM

For Hospital Care

Advanced Assisted Cough Therapy

BiWaze® Cough is a mechanical insufflation-exsufflation (MIE) system designed to support patients with weak or ineffective cough.

Its innovative dual-blower technology separates inhaled air from exhaled mucus, delivering higher peak cough flows[1] and helping maintain lung volume during therapy[1]. The design is intended to provide a more effective assisted cough therapy and enhanced confidence in patient care.

Differentiators

- Stronger peak cough flow at standard pressures for efficient mucus clearance.[1]
- Dual-blower system delivers consistent airflow and oscillations during assisted cough therapy.[1]
- Programmable oscillations on inhale, exhale or both phases of the cough cycle.
- Delivers positive airway pressure (PAP) during the pause phase to help maintain lung volume and support gas exchange.[1]
- Stores up to 10 therapy profiles with customizable naming for a personalized experience.
- Advanced programming enables full customization of each cough cycle for patient-specific therapy.
- Intuitive and portable (9 lbs) with a simple touchscreen control and built-in lithium-ion battery.
- Optional dual-lumen breathing circuit to separate the inhaled air from exhaled mucus.

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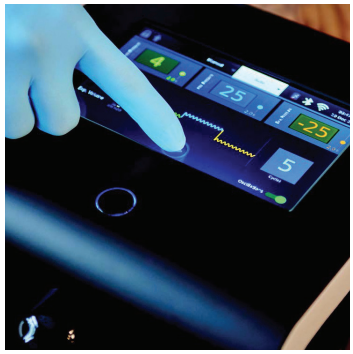
Improved extubation protocol performance with MIE therapy[2]

REDUCTION in ventilator time[2]
34%
from 17.8 to 11.7 days

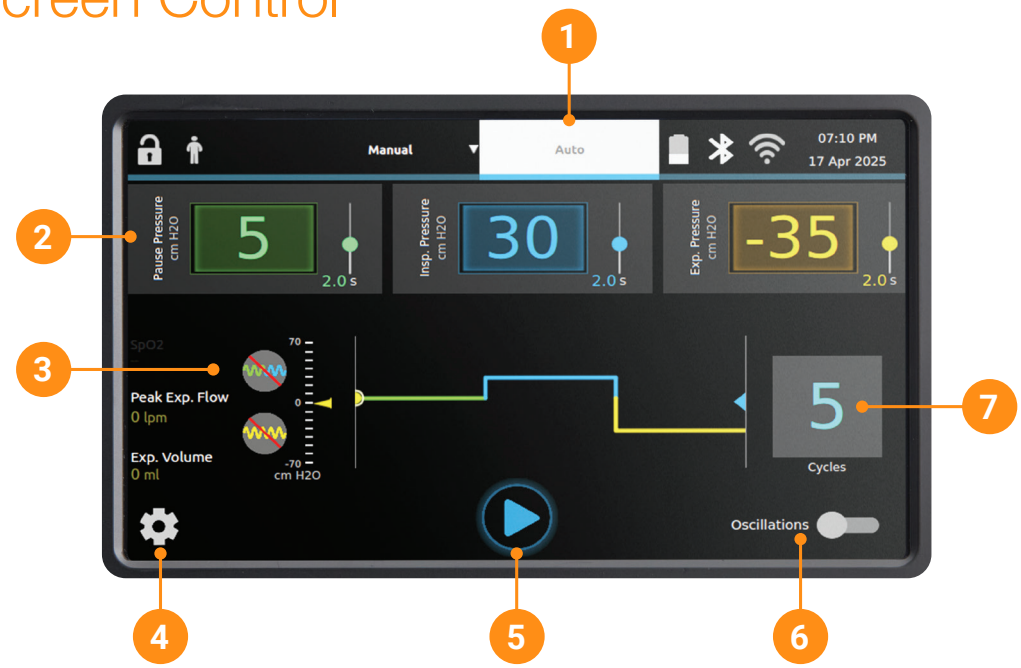
REDUCED LENGTH of stay after extubation[2]
6.7 days
from 9.8 to 3.1 days

REDUCED the reoccurrence rate of reintubation[2]
60%
from 48% to 17%



Simplified Touchscreen Control

1. Profile Selection (Manual OR Auto Mode)
   - Therapy Profiles (up to 10)
2. Therapy Pressures and Durations
3. Programmable Oscillations
4. Device Settings
5. Start/Pause Therapy
6. Oscillations On/Off
7. Number of Therapy Cycles (up to 20)



TARGET PATIENT POPULATION AND ENVIRONMENT

BiWaze® Cough can be used throughout the continuum of care, hospital to home for pediatric and adult patients.

HOSPITAL AREAS

- Emergency Department
- Trauma
- Intensive Care Units
- Medical/Surgical Units
- Rehabilitation Areas
- Long-Term Ventilation and Weaning Units

PATIENT CONDITIONS

- Weak or ineffective cough
- Amyotrophic lateral sclerosis (ALS)
- Progressive bulbar palsy
- Muscular dystrophy
- Spinal muscular atrophy (SMA)
- Multiple sclerosis
- Spinal cord injury (SCI)
- Motor neuron disease
- Quadriplegia

GOVERNMENT PROGRAMS

Contract Number:
FSS 65IIA
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Distributor:
First Nation Group

1. Malone, P., & DiBlasi, R. (2022). BiWaze® Cough System – A bench study evaluation and comparison of cough efficiency (Rev. 2.0). ABM Respiratory Care. https://abmrc.com/wp-content/uploads/2025/03/ BiWaze-Cough-White-Paper-2025.pdf
2. Gonçalves MR, Honrado T, Winck JC, Paiva JA. Effects of mechanical insufflation-exsufflation in preventing respiratory failure after extubation: a randomized controlled trial. *Crit Care.* 2012 Dec 12;16(2):R48.

℞ Only

RESOURCES

Website | Overview Video | Training Video

For further information about this product or a service, visit our webpage: www.abmrc.com or call customer support: 1-877-ABM-RC01 (877-226-7201)

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