Breathing New Life Into a Traditional Therapy™

BiWaze® Cough empowers healthcare providers with an advanced assisted cough system that uses a dual-blower design to separate exhaled mucus from fresh inhaled air, delivers higher peak cough flows[1], and helps maintain lung volume throughout therapy[1]—supporting more efficient airway clearance and greater confidence in patient care.

BiWaze® Cough expands assisted cough therapy from hospital to home

Specifications

Size	10.5 in L x 9.2 in W x 3.5 in H (27 cm L x 23.5 cm W x 9.0 cm H)
Weight	9.4 lbs (4.1 kg) – including internal battery
Battery	Included with every system
Presets	Up to 10
Modes	Automatic and Manual
Max Positive Pressure	70 cm H20
Max Negative Pressure	-70 cm H20
Max Pause Pressure	15 cm H20
Inspiratory Time	0 – 5 seconds (auto mode only)
Expiratory Time	0 – 5 seconds (auto mode only)
Pause Time	0 – 5 seconds (auto mode only)
Inspiratory Flow	Low, Medium, High
Inspiratory Trigger Sensitivity	1 – 10
Amplitude	1 – 5
Oscillation Frequency	5 – 20 Hz

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.

3. Fontana GA, Widdicombe J. What is cough and what should be measured? *Pulm Pharmacol Ther.* 2007;20(4):307-12.

℞ Only

abm RESPIRATORY CARE

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)

Respiratory Therapy

BiWaze® Cough SYSTEM

The BiWaze® Cough Difference

Efficient

Delivers stronger expiratory flow with consistent oscillation to aid secretion mobilization.[1] PAP on Pause maintains lung volume throughout therapy.[1]

Intelligent

Dual-blower system separates inhaled and exhaled flow for precise pressure control and enhanced hygiene.

Hygienic Design

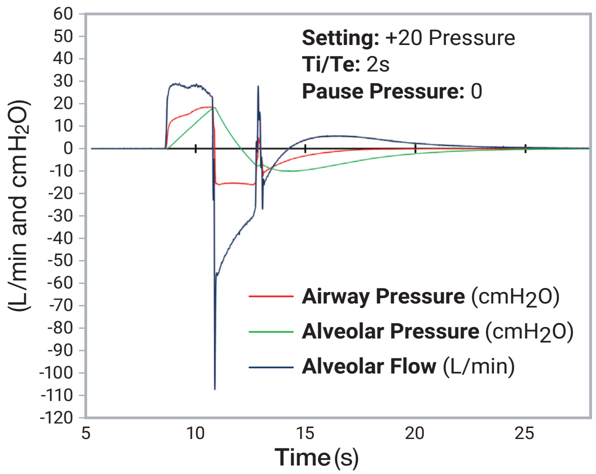
Dual-path airflow separates inhaled air from exhaled mucus for cleaner therapy.

Adaptable

Compact, lightweight, and battery-powered for flexible use. Intuitive touchscreen and therapy profile storage support fast, patient-specific setup.

Engineered for Clinical Confidence

BiWaze® Cough delivers a controlled gradient to reach target pressures, producing a consistent square-wave inhalation flow pattern. During exhalation, the waveform shows a brief compression and release at the end of the cough cycle—likely due to flow modulation from its dual-blower design. This is reminiscent of the characteristic partial glottic closure observed in a voluntary cough.[3]



Simplified Touchscreen Control

PATIENTS WHO BENEFIT MAY INCLUDE:

- Muscular Dystrophy
- Spinal Muscular Atrophy
- Amyotrophic Lateral Sclerosis
- Spinal Cord injuries
- Myasthenia Gravis
- Post Polio
- Weak and ineffective cough

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%