

### **Dual Airway**

Two individual blowers separate the inspiration from the expiration. In combination with a coaxial circuit the exhaled and coughed up air can be completely isolated from the fresh air during inspiration.

### **Compact**

With a volume reduction of 60% compared to the average size of a cough therapy device, BiWaze is the smallest device on the market.

### **Quite Therapy**

While being in standby mode you can only barely hear the device. Even during therapy, the device delivers a pleasant noise level and therefore effects the comfort of the patient and the therapist.

### **Pause Pressure**

Another feature that makes therapy more comfortable for the patient is the adjustable positive airway pressure (PAP) during the pause phase. It enables the patient to recover from the expiratory phase and might reduce the risk of atelectasis. In addition, each cycle of the therapy can be adapted individually, so that during a therapy of max. 15 minutes PAP in combination with oscillation can be used to prepare mucus from the periphery and moving it upwards to the center where it can be evacuated with a traditional but convenient cough. After clearing the lung PAP can be used for recruitment before finishing the therapy.

### **Strong Oscillation**

In addition to the hygienic improvement the two blowers generate an oscillation. It doesn't use simple chopper valves and therefore represents a completely new oscillation technique. This new way of oscillating the patient lungs might reach the lower lung areas more effectively and helps liquify secretions.

### **Smart Cockpit**

The full touch control display performs an optimal visibility from every angle and response perfectly in every situation. In combination with the smart setup of minimized sub menus where you can individually customize device and therapy settings, it delivers a smart and easy to use cockpit.

### **Connectivity**

A Bluetooth and Wi-Fi interface are integrated in BiWaze to meet the requirements of digitalization. Thanks to the Wi-Fi interface, therapy and device settings can be uploaded and downloaded. In addition, there will be an online platform that will allow direct exchange between doctors and patients. The physician will be able to view the therapy progress of his patient and adjust the therapy settings remotely.

### Setting

Modes	Auto/ Manual
Inhale Flow	Low/Medium/High
Triggering	Insp. Trigger

### Dimension

Size	27.5cm x 23.8cm x 9.5cm
Weight	3.8 kg / 4.1 kg (incl. battery)
Control	7" TFT Touch Screen
SD Card	No (2 USB Ports)
Internal Battery	Yes
Battery Lifetime	1 Hour Therapy Time

### Parameters

Max Positive Pressure	0-70 cmH <sub>2</sub> O
Max Negative Pressure	0-70 cmH <sub>2</sub> O
Max Pause Pressure	30 cmH <sub>2</sub> O
Insp. Time	0-5 sec
Exp. Time	0-5 sec
Pause Time	0-30 sec
Oscillation Frequency	5-20 Hz
Oscillation Amplitude	0-5 steps (up to 15cmH <sub>2</sub> O)

### Features

Pause Pressure	Yes
Oscillation	Yes
Remote Control Foot Pedal	Yes
Remote Control Handheld	Yes
Remote Control App	Yes
Bluetooth	Yes
Wi-Fi	Yes
Download Prescriptions	Yes
Dual Airway Hygiene	Yes
HFCWO	No
SpO <sub>2</sub>	Yes
Peak Exp. Flow	Yes
Exp. Volume	Yes
NIV	No

