OPENING LIVES
Introducing the Breathe Non-Invasive OPEN Ventilation (NIOV™) System

In hospitals and LTACs, the Breathe NIOV System can help support early mobilization for patients with respiratory insufficiency.

For COPD patients, research has shown that patients using the Breathe NIOV System experienced improved performance in the standard six-minute walk test (6MWT)1.

The Breathe NIOV System can enable patients to do the simple things missing from their daily lives—going outside to get the mail, walking upstairs, or going out with friends.

PULMONARY REHABILITATION

EARLY HOSPITAL MOBILIZATION

HOMECARE


For COPD patients, research has shown that patients using the Breathe NIOV System experienced improved performance in the standard six-minute walk test (6MWT).
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OPENING PATIENTS’ LIVES
Introducing the Breathe Non-Invasive OPEN Ventilation (NIOV™) System—a wearable ventilation system for patients with respiratory insufficiency. These patients often have difficulty breathing while performing everyday activities. This results in a loss of mobility, which limits activity and reduces quality of life.

The Breathe NIOV System is designed to promote mobility and ambulation by helping patients to breathe more easily and participate more fully in life—opening the door to simple activities of daily living, like going outside to get the mail, walking upstairs or going out with friends.

DELIVERING VENTILATION AND MOBILITY
The Breathe NIOV System is an easy-to-use, volume augmentation ventilator, delivering both ventilation and supplemental oxygen. The heart of the system is a small, one pound, battery-powered ventilator that can be easily worn at the waist while ambulating, exercising or performing activities of daily living.

The unique OPEN ventilation technology uses a small, nasal pillows interface that is open to ambient air. An external source of high pressure oxygen is required.

“The system delivers augmented tidal volume and entrained air during a patient’s spontaneous breathing; delivering both ventilation and supplemental oxygen with every breath. This volume augmentation is provided via a small, OPEN nasal pillows interface.

The system senses the patient’s spontaneous breath through sense ports in the nasal interface, then delivers the selected volume of oxygen. As oxygen is delivered, ambient air is entrained through the entrainment ports, and positive pressure is developed within the mask to supplement the patient’s spontaneous breathing; reducing the work of breathing, supplementing the volume of air inhaled and improving oxygen delivery.

“I look forward to seeing this product available to all patients suffering with COPD...I do believe this ventilator is revolutionary and will turn the COPD community upside down...giving them hope for their future and a brighter tomorrow.”
— Lynn McCabe, RRT, RCP
Supervisor, Pulmonary Rehabilitation
Sharp Memorial Hospital

BREATHE NIOV™ VENTILATION SYSTEM
The Breathe NIOV System is designed to promote ambulation and mobility.

The Breathe Non-Invasive OPEN Ventilation (NIOV™) System is a small, one-pound, wearable volume augmentation ventilator delivering both ventilation and supplemental oxygen.

ULTRA SMALL AND PORTABLE
• Lightweight (one pound) and wearable
• Battery-powered for complete portability
• Provides both ventilation and supplemental oxygen
• Augments the patient’s spontaneous breathing via a small, non-invasive OPEN nasal pillows interface

CUSTOMIZABLE VOLUME SETTINGS
• Volume delivery settings for three levels of activity are easily programmed by the clinician based on individual patient needs
• Password-protected clinician menu and settings
• LCD touchscreen for easy customization and titration

COMFORTABLE AND EASY-TO-USE
• Easily worn at the waist
• Patients self-select from Low, Medium and High levels of activity
• Simple operation; no buttons and an LCD touchscreen

“I’ve been pretty much housebound, and now I want to go and do things. So I really love this device.”
— Toby H., COPD patient
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TIDAL VOLUME AUGMENTATION: BREATHE’S PROPRIETARY TECHNOLOGY MAKES THE DIFFERENCE

The system delivers augmented tidal volume and entrained air during a patient’s spontaneous breathing, delivering both ventilation and supplemental oxygen with every breath. This volume augmentation is provided via a small, OPEN nasal pillows interface.

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OPENING PATIENTS’ LIVES

The Breathe NIOV System is designed to increase mobility and promote ambulation.

The Breathe NIOV System is designed to promote mobility and ambulation by helping patients to breathe more easily and participate more fully in life—opening the door to simple activities of daily living, like going outside to get the mail, walking upstairs or going out with friends.

The system delivers augmented O\textsubscript{2} tidal volume and entrained air during a patient’s spontaneous breathing; delivering both ventilation and supplemental oxygen with every breath. This volume augmentation is provided via a small, OPEN nasal pillows interface.

The system senses the patient’s spontaneous breath through sense ports in the nasal interface, then delivers the selected volume of O\textsubscript{2}. As O\textsubscript{2} is delivered, ambient air is entrained through the entrainment ports, and positive pressure is developed within the mask to supplement the patient’s spontaneous breathing, reducing the work of breathing, supplementing the volume of air inhaled and improving oxygen delivery.
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The Breathe NIOV System is designed to promote mobility and ambulation by helping patients to breathe more easily and participate more fully in life—opening the door to simple activities of daily living, like going outside to get the mail, walking upstairs or going out with friends.

The heart of the system is a small, one pound, battery-powered ventilator that can be easily worn at the waist while ambulating, exercising or performing activities of daily living.

The unique OPEN ventilation technology uses a small, nasal pillow interface that is open to ambient air. An external source of high pressure oxygen is required.

The system delivers augmented O2 tidal volume and entrained air during a patient’s spontaneous breathing; delivering both ventilation and supplemental oxygen with every breath. This volume augmentation is provided via a small, OPEN nasal pillows interface.

The system senses the patient’s spontaneous breath through sense ports in the nasal interface, then delivers the selected volume of oxygen. As oxygen is delivered, ambient air is entrained through the entrainment ports, and positive pressure is developed within the mask to supplement the patient’s spontaneous breathing; reducing the work of breathing, supplementing the volume of air inhaled and improving oxygen delivery.

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Customizable Volume Settings
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• Password protected clinician menu and settings
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Comfortable and Easy-To-Use
• Easily worn at the waist
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Actual Size

BREATHE NIOV™ VENTILATION SYSTEM

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HOME CARE

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