

# Breathe

a Service by Sendal

# Breathe

## Elevating Indoor Air Quality & Energy Efficiency

### INTRODUCTION

In the pursuit of prioritizing your family's health, it's essential to address the alarming state of indoor air quality (IAQ). According to the EPA, IAQ can be five to ten times worse than outdoor air, and the World Health Organization identifies PM2.5 (tiny particles matter, smoke) as a global leading cause of death, surpassing even cancer. Enter [Breathe by Sendal](#), a revolutionary solution designed to comprehensively tackle indoor air quality issues through modern technology, delivering on the promise of breathable air and energy savings.

### THE PROBLEM: BAD AIR AND HIGH ENERGY BILLS

Indoor air pollution poses a concealed threat to our well-being, with pollutants such as Radon, CO2, VOCs, and PM harming us daily. Conventional methods of introducing fresh air can sometimes exacerbate the problem by bringing in unchecked PM and humidity. Breathe addresses these challenges, offering a smart and informative solution that not only enhances air quality but also yields energy savings.

### THE SOLUTION

Breathe is a transformative solution, demonstrating its value by paying for itself in just a few months through energy savings while concurrently cleaning your home's air. Leveraging affordable smart devices, Breathe measures and improves indoor air quality, creating a healthier and more sustainable living environment.

### REAL-WORLD RESULTS

Through collaboration with builders, equipment manufacturers, and building scientists, we've substantiated Breathe's effectiveness. Studies reveal that Breathe can slash a home's energy usage by up to 12%. In practical applications, Breathe has consistently reduced energy waste while enhancing indoor air quality. Rigorous testing methods confirm an approximate 12% reduction in monthly energy consumption associated with the impact of mechanical ventilation.

### CONCLUSION

Breathe seamlessly combines improved air quality with energy savings. Its smart technology, rapid response to air quality concerns, and commitment to energy efficiency position Breathe at the forefront of indoor air quality management.

Ready to breathe easier and save energy? Contact Sendal today to discover how Breathe can elevate your indoor air quality, reduce energy bills, and contribute to a healthier environment.

For questions and additional information, reach out to Sendal at [sales@sendal.io](mailto:sales@sendal.io) or visit our website [www.sendal.io](http://www.sendal.io)

# Features



## Intelligent source control with notifications

Provides feedback based on occupants behavior to reduce source generation



## Fresh air responses to CO<sub>2</sub>, TVOC, Radon

Fresh air via dampers, ventilation fresh air systems



## Filtration responses to PM<sub>1/2.5/10</sub>

The most effective, and energy saving approach to reduce these pollutants



## Multi-zone fresh air 'vectoring'

Conserves energy by concentrating supply of fresh/filtered air and removal of stale air to the rooms that need attention



## Outdoor air quality monitoring

Maximizes outdoor fresh air and minimize introducing polluted outdoor air into the home



## Balances fresh air & energy consumption

Runs less when not needed (save energy) and more when air quality is poor



## Responds to cooking

Mitigates poor Air Quality before it becomes a problem



## Responds to clothes dryer with make-up air

Mitigates poor Air Quality caused by excessive exhaust before it becomes a problem



## Power monitoring of ERV/HRV/fresh air/ dehumidifier

Ensures home's ventilation isn't accidentally turned off or unplugged



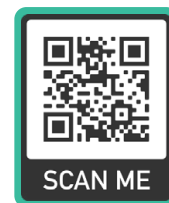
## Exhaust fan activation monitoring

Mitigates poor Air Quality caused by excessive exhaust before it becomes a problem



## SONOS speaker announcement

Provides real-time audio notifications in rooms with poor air quality



Scan the code above for a short video exploring some of Sendal's core features