



Airthings Launches Ventilation Rate Feature at AHR 2024

New feature provides insights to help gauge the efficiency of a building's ventilation system

CHICAGO (Jan. 22, 2024) – Airthings – the global leader in indoor air quality monitoring and building performance insights – announced a new feature that aims to help optimize a building's ventilation system alongside a new product at AHR 2024. In addition to the release of [Space Nano](#) in late 2023, the Ventilation Rate feature joins the Airthings for Business Solution portfolio of solutions designed to optimize building performance and enhance workspace well-being.

Virtual sensors show Ventilation Rate by measuring and estimating the Air Exchange Rate (measured as ACH, or air changes per hour) and Airflow in a specific room or space. These estimates indicate how often the air in a room is replaced with fresh air each hour. Ventilation Rate helps to validate the following:

- **Good indoor air quality:** Higher air exchange rates generally correspond to better ventilation, helping to enhance indoor air quality.
- **Energy efficiency:** Balancing sufficient ventilation with energy efficiency is crucial. Analyzing the Air Exchange Rate enables optimization of ventilation systems, minimizing energy consumption while providing healthy indoor air quality.
- **Regulatory compliance:** Building codes and standards often stipulate minimum ventilation rates based on room size, use, and occupancy. These standards aim to achieve acceptable indoor air quality levels. According to ASHRAE 62.1 (the recognized standard for ventilation system design and acceptable indoor air quality), the target for any space should be at least five air changes per hour.

Ventilation Rate is now available for every Airthings for Business device equipped with a CO₂ sensor. Users can access insights into ventilation performance through the Airthings for Business Dashboard. By comparing Air Exchange Rate data alongside other insights in the Dashboard, such as occupancy data and CO₂ levels, Airthings for Business customers can determine whether they are under or over-ventilating a building. This data can help inform and optimize ventilation schedules, thereby removing the inaccuracies associated with using a traditional office hours schedule to guide ventilation levels.

“Ventilation Rate reveals the efficiency of a building's ventilation system, serving as a valuable indicator of indoor air quality - which is integral to everything we do,” said Oyvind Birkenes, CEO of Airthings. “The Airthings for Business solution truly empowers us to know more about

what we can do to breathe the healthiest air possible. With these new virtual sensors, our Airthings for Business customers can better understand the quality of the indoor air they breathe and take action.”

Airthings for Business offers an air quality monitoring solution that provides actionable insights and trends using live and historical data. It is a powerful solution for monitoring and transforming indoor air quality to promote occupant well-being and help create more sustainable buildings. The Airthings for Business solution is fully scalable, offering wireless, easy-to-install devices with comprehensive multi-sensors that monitor CO₂, PM1, PM_{2.5}, radon, VOC, humidity, temperature, light, noise, and pressure, along with virtual sensors for mold risk, virus risk, and occupancy.

Ventilation Rate and the entire Airthings for Business solution will be in attendance at booth #N1539 at AHR 2024 at McCormick Place in Chicago, Ill., January 22 - 24.

To learn more, visit: <https://www.airthings.com/business/ventilation-rate>

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About Airthings

Airthings is a global technology company and producer of award-winning radon and indoor air quality monitors for homeowners, businesses, and professionals. Founded in 2008, Airthings is on a mission to ensure that people around the world recognize the impact of indoor air quality and take control of their health through simple, affordable, and accurate technology solutions while optimizing energy consumption in buildings. Airthings' products have made radon detection and indoor air quality monitoring easy to deploy, accurate, and user friendly, and have received several accolades including the TIME's Best Inventions award and CES Innovation Award Honors. Headquartered in the heart of Oslo, Norway, and with offices in the US and Sweden the company has over 130 employees from more than 30 nationalities—and counting. To see the full range of Airthings indoor air quality monitors and radon detectors or to learn more about the importance of continuous air quality monitoring, please visit www.airthings.com.

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