

Energy Efficient Indoor Air Quality Improvement Is Critical to Modern Food Retail Operations

The Challenge

As an essential business in a post COVID-19 environment, modern food retail operations must ensure that their indoor air quality (IAQ) provides a healthy, safe, and hygienic environment for their employees and customers.

The Solution

ripKurrent, LLC has developed an innovative, energy efficient, and cost effective platform to MEASURE, MONITOR, and CONTROL the indoor air quality for food retail operations. Utilizing a combination of bipolar ionization technology, IOT smart sensors, cutting edge digital hand sanitizers, and a robust analytics and reporting application, ripKurrent, LLC is able to dramatically improve your facility's IAQ.

The Result

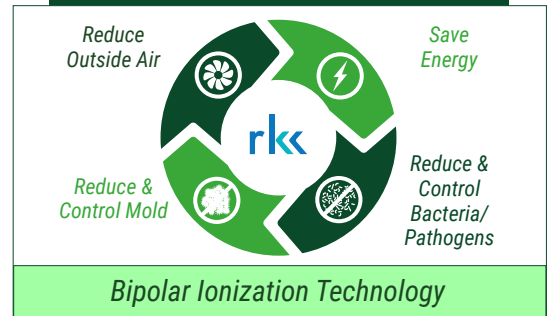
The ability to provide & document a healthy, safe, and hygienic indoor environment utilizing bi-polar ionization technology:

- Reduces the risk of transmission of harmful airborne contaminants/viruses to customers and employees
- Reduces the risk of mold growth throughout the store
- Enhances the effectiveness of store surface cleaning efforts
- Extends the shelf life of produce/reduces shrink
- Improves brand perception & customer loyalty

Bipolar Ionization Feature	Benefit
AGGLOMERATION <small>DUE TO +/- ION CHARGE, PARTICLES STICK TOGETHER</small>	<ul style="list-style-type: none"> - REDUCES the amount of time particles are suspended in the breathing zone - IMPROVES filter capture rate of airborne particles - IMPROVES the effectiveness of manual surface cleaning
OXIDATION <small>DUE TO +/- ION CHARGE, VOC'S ARE DESTROYED</small>	<ul style="list-style-type: none"> - REDUCES the amount of VOC's present - NEUTRALIZES objectionable odors - IMPROVES the safety of a facility's indoor air quality
NEUTRALIZATION <small>DUE TO +/- ION CHARGE, HYDROXYLS RENDER PATHOGENS INACTIVE</small>	<ul style="list-style-type: none"> - REDUCES and deactivates harmful viruses* - REDUCES and deactivates harmful bacteria* - IMPROVES the safety of a facility's indoor air quality

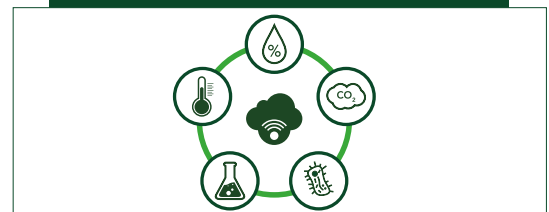
*Test results showing: kill rate, time period, and independent testing agency information can be furnished upon request.

The Complete IAQ Package



Bipolar Ionization Technology

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IOT Smart Sensor for IAQ Monitoring

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Digital Hand Sanitizer w/IAQ Score Display

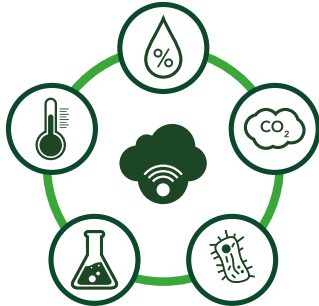
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Dashboard / Analytics Reporting Application

IAQ Measure, Monitor, and Control Architecture

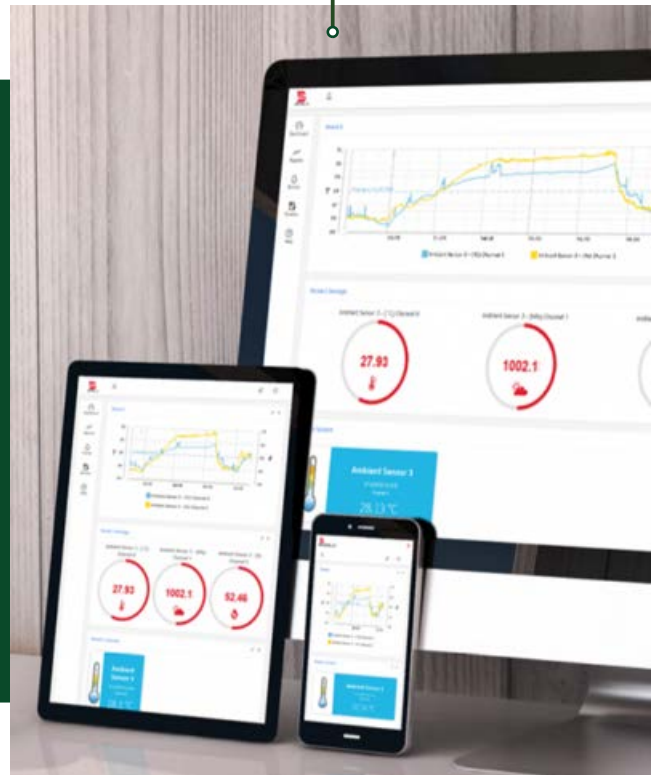
IOT Smart Sensor for IAQ Monitoring



-  TEMPERATURE
-  HUMIDITY
-  VOC's
-  PARTICULATE MATTER
-  CO₂



*Digital Hand Sanitizer
with IAQ Monitoring*



*Dashboard / Analytics
Reporting Application*