



FENDTECH

Filters & Purification Devices

About



FENDTECH Provides wide range of Air and Food Safety Solutions for Commercial, Residential and industrial to maintain the health and safety of the Peoples in All Aspects.

FENDTECH Filters and Purification Devices LLC

Supplier of air & food quality solutions & energy saving filters in the Middle East region

For Enquiry: +971-509274857

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www.fendtech.ae

Our Global Brands



For Cold Rooms



For All Rooms



Where we Can Help?



Hospitality



Health Care



Commercial Buildings



Food Processing



Poultry & Dairy Farm



Waste management



Water Treatment



Facility Management

Cooler King for Cold Rooms



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Cooler King Filter



CoolerKING® Filter Size: 10" x 10" x 2". Each filter is effective for 200 - 300 cubic feet.



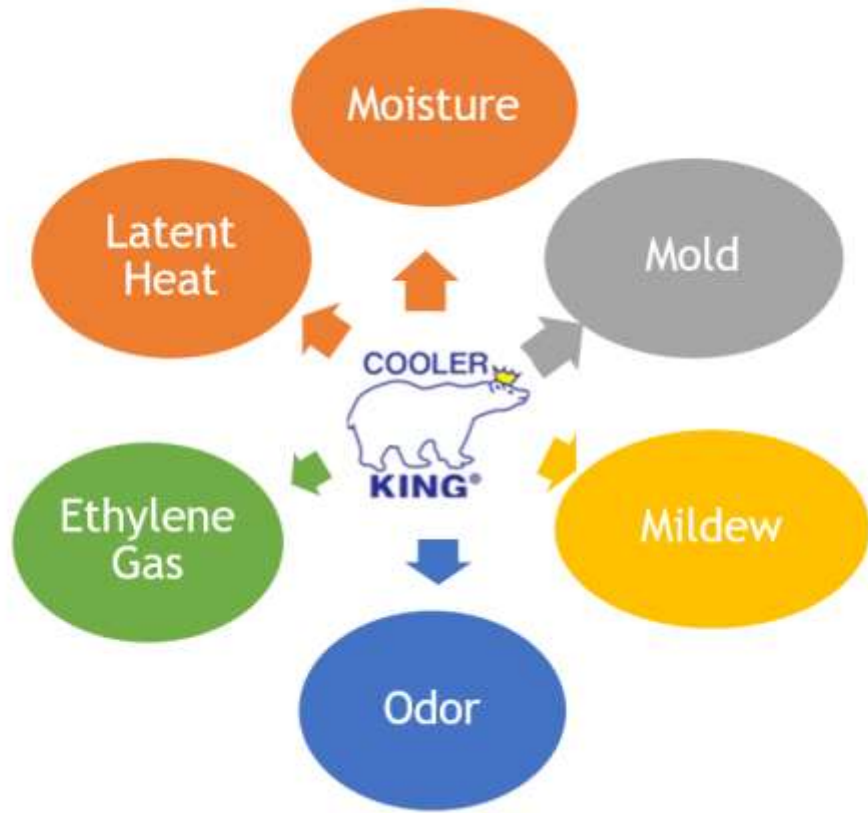
CoolerKING® Smart Mineral Technology™ helps eliminate the top 2 drains on profits by reducing food waste and lowering energy used by refrigeration.

Simple Installation



CoolerKING® Easy to Install, Simply screws the filter at the ceiling.
& forget its starts works and gives proven results

How It Works

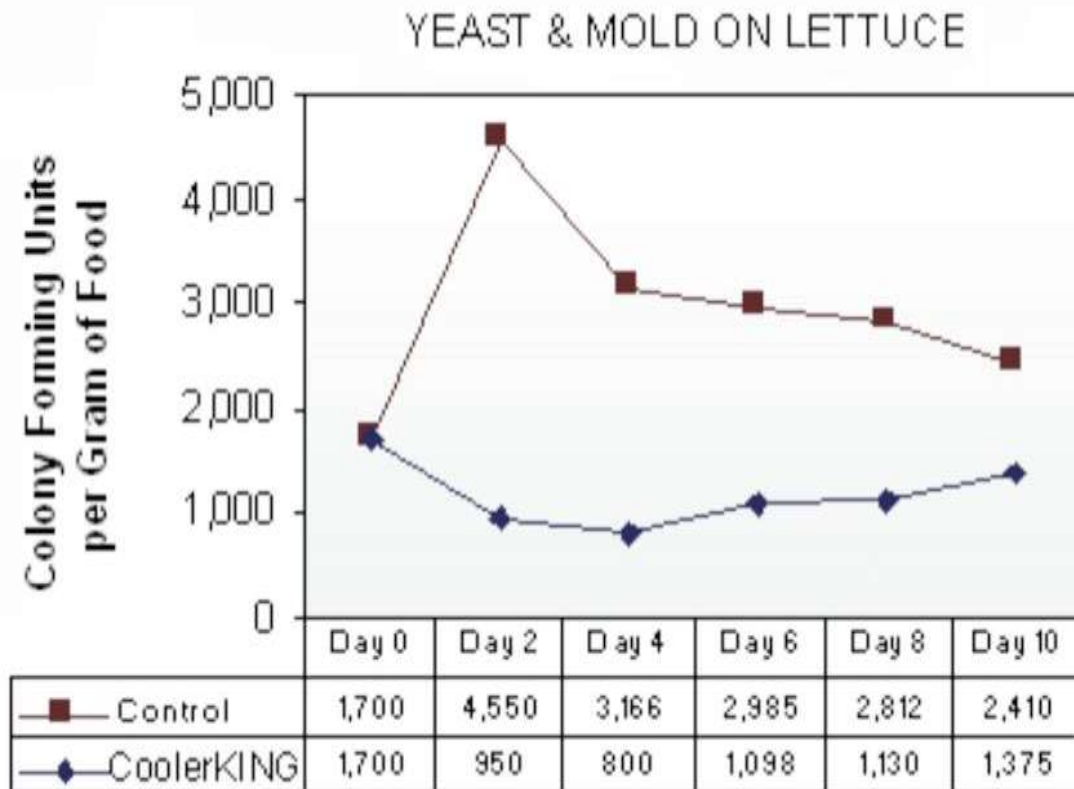


CoolerKING® creates optimum food storage conditions by controlling common problems inside coolers.

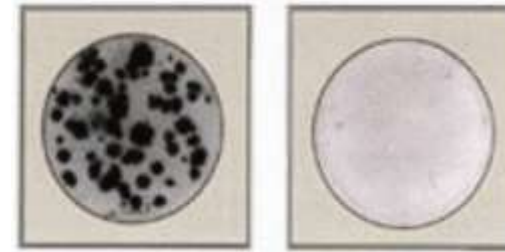
What Cooler King Doing

- ✓ Monitoring temperature & humidity is critical to keeping food fresh.
- ✓ The USDA reports that excess moisture & improper storage temperatures can cause spoilage bacteria to double their numbers in as little as 20 minutes.
- ✓ CoolerKING® filters naturally control temperature & humidity levels resulting in extended shelf life of food up to 3 x longer.

Microbiological Evaluation



CFU/g = Colony Forming Units per Gram of Food



Without CK **With CK**

- ✓ In the cooler without CK, the yeast & mold growth on lettuce was at the highest on Day 2
- ✓ In the cooler with CK, the yeast & mold growth on lettuce was actually lower on Day 2 than on Day 1

Source: Tahoe Food Technologies

Advantage of Using CK Filters

Temperature Control

- CoolerKING[®] keeps refrigerators at ideal temps (between 1°C and 3°C) without using more energy.

Humidity Control

- CoolerKING[®] balances humidity for proper food storage.

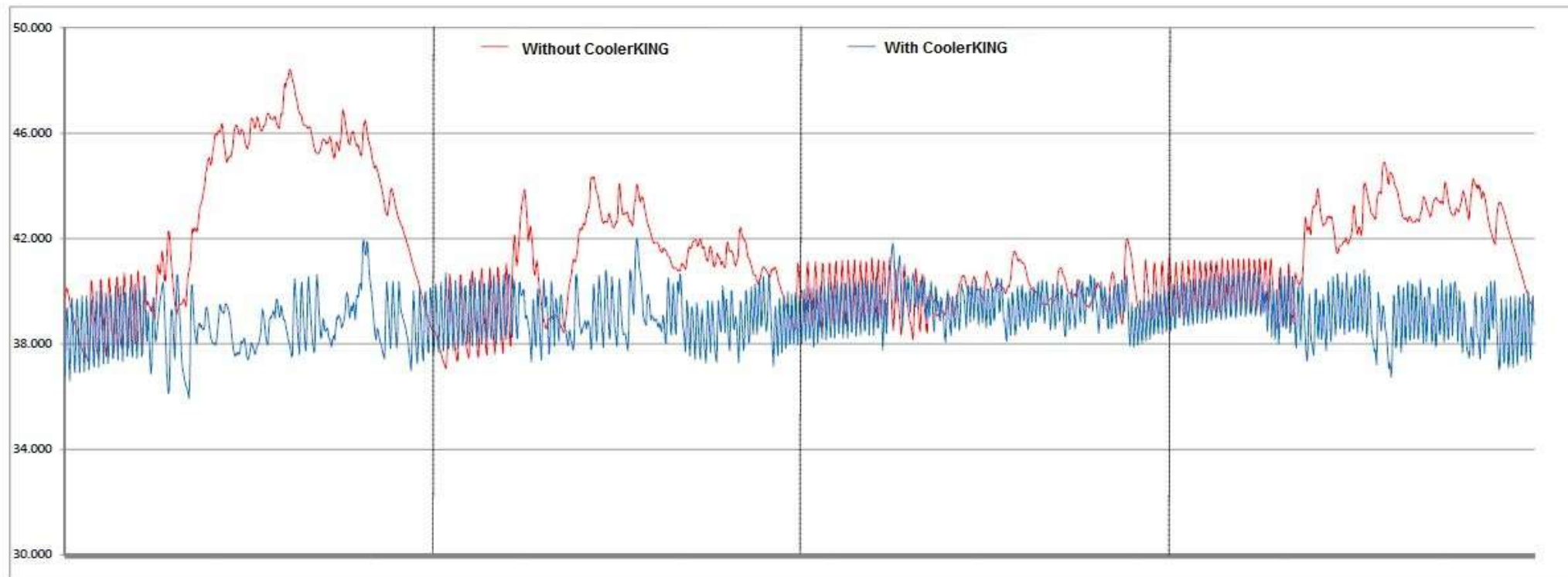
Preventative Maintenance

- CoolerKING[®] filters avoids excessive energy use as well as potential product loss.

Energy Saving Analysis

Steak House in Franklin, TN

6/24/12 - 6/27/12 without & 7/7/12 - 7/10/12 with CoolerKING®



* Independent tests show energy savings between 10% - 20% depending on the condition, age and usage of the coolers.

- ✓ Prior to installing filters the cooler went above 41° 54 times
- ✓ After installing filters the cooler went above 41° 4 times
- ✓ Compressor worked less after installing filters, 44% more idle time
- ✓ Energy consumption to power the compressor was reduced by 20.2%*

How CoolerKING Saving Energy

- ✓ Heat & moisture that enter the cooler when the door is opened are swiftly absorbed by **CoolerKING®** filters.
- ✓ Work load is reduced on the compressor resulting in lower temperatures and 10% to 20% less energy usage!
- ✓ The smart mineral releases purified moisture back into the air as needed creating an ideal food storage environment. Shelf life of food is extended resulting in less spoilage & waste.

CoolerKING Benefits



SAVES ENERGY & EXTENDS EQUIPMENT LIFE



EXTENDS SHELF LIFE OF FOOD



REDUCES RISK OF FOOD BORNE ILLNESS



ELIMINATES & PREVENTS ODOR



REDUCES RISK OF SLIP & FALLS DUE TO EXCESS MOISTURE

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Reasons to Buy CoolerKING

- ✓ Easy to install and maintain
(no electrical or moving parts. Filters are serviced on a quarterly basis.)
- ✓ Sturdy and safe plastic holder
- ✓ Superior blend of natural minerals
- ✓ Performance confirmed by independent labs and satisfied customers
- ✓ Approved by Environmental Health Agencies
- ✓ Industry Leaders for over 30 years

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Airtech for All Rooms



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PLASMA ODOR & GREASE CONTROL AIR SANITIZER



AIRTECH Clean AIR
Mini



AIRTECH Clean AIR
Turbo

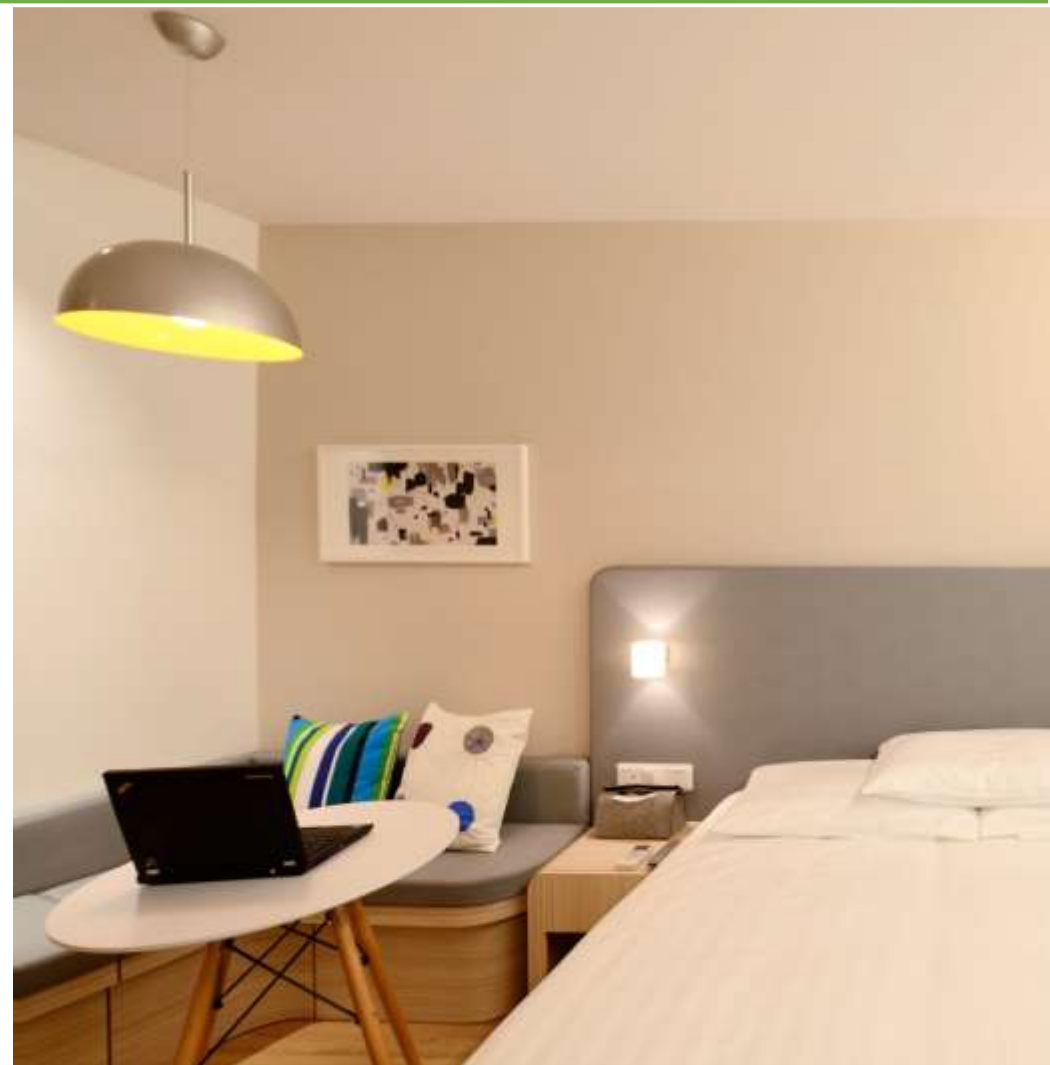


AIRTECH Quick
Treat

What is Airtech

Airtech is dedicated to the goal of improving the health, comfort and well-being of people by improving air quality wherever they live, work and travel through the use of advanced cold plasma technology.

Pioneered in Europe, Airtech products have been successfully deployed in hundreds of applications worldwide, providing dramatic improvements in indoor air quality, simultaneously lowering facility energy consumption and reducing harmful environmental emissions.



What is Airtech



The Airtech team consists of the world's foremost authorities in the field of air sanitation, backed by industry experts with extensive domain expertise.

Airtech supports clients in the most demanding applications, including water treatment/wastewater, gaming, food, medical, transportation and hospitality.

What is Airtech

- ✓ Airtech's technology efficiently and effectively restores air to its natural state – all without creating unwanted by-products. Airtech's natural process offers superior
- ✓ Environmental benefits by not only eliminating airborne odors and harmful substances, but also by reducing energy consumption, thus improving efficiencies and minimizing costs. The result is highly-effective yet environmentally safe and efficient indoor air sanitation solutions that improve the health and well-being of people wherever they live, learn, work and play.

The Plasma Air Ionizer



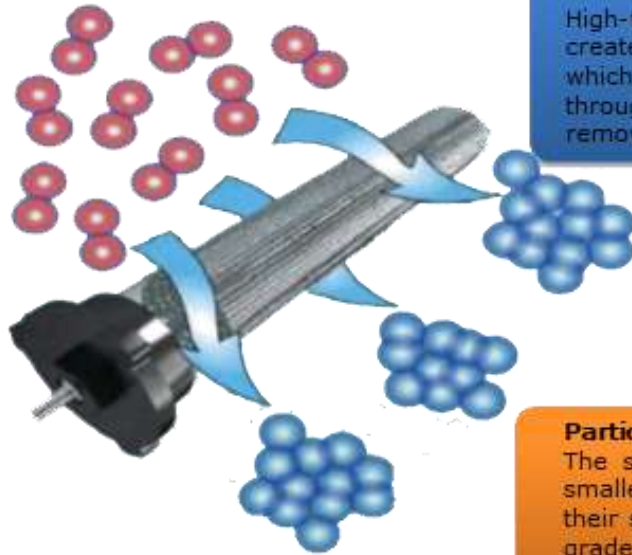
Absorber cartridges:

1. Multi cartridge odors and particulate
2. Ultra cartridge Particulates – low level elimination
3. Mercury cartridge Removal mercury vapors
4. VOC cartridge Smoke, VOC's, chemicals
5. Radon cartridge Removal radioactive radon gas
6. FOG cartridge Fats, oils, grease

How it Works

Ambient Oxygen

Oxygen molecules in the ambient air are moved over the SONA Cell Module



Advanced Materials

High-tech Steel, Specialty glass and aluminum alloys are used to create a powerful cold plasma field around the SONA Cell Module which creates Peroxide molecules (iPOM) as the oxygen passes through the field. Peroxide molecules move to the living space to remove contaminants at their source.

Bacteria, Molds & Viruses

The Peroxide molecules attack molds, Viruses and Bacteria, Oxidizing the cell wall, Causing the micro-organisms to dry out and die.

Partides

The static charge on the Peroxide molecules attract even the smallest and most dangerous of partides together increasing their size and allowing them to be easily removed by even low-grade filters.

Odors, Tobacco Smoke and VOCs

Break down molecular bonds, transforming odors, dangerous Volatile Organic Compounds (VOCs) and tobacco smoke into simple, harmless components.

The New Approach!!

- ✓ Airtech technology represents a totally new approach to air sanitation. Developed using the principles of Quantum Mechanics and Bio mimicry - a new discipline that studies nature's best ideas and then imitates these designs and processes to solve human problems – Airtech replicates nature's own air sanitation processes, creating the same bio-climate rich in activated oxygen molecules commonly found in mountain areas, forests, waterfalls, ocean beaches and during thunderstorms.
- ✓ Airtech works by energizing oxygen molecules as they pass over the Plasma Cell module, creating millions of activated iPOM (inorganic Peroxide oxygen) clusters which provide a safe, natural cleansing agent that gently removes indoor air pollutants at their source

The New Approach!!

- **The Result ?**

Comprehensive air sanitation that can be scaled for any size application from single rooms to entire commercial facilities and industrial plants- all without the use of harmful ultraviolet light, chemicals, carbon additives or expensive and hard to maintain HEPA filters

Airtech Clean AIR Micro



Clean air mini - suitable for small areas like hotel rooms, offices, hospitals to control odor, smoke, VOCs and air borne pathogens. 1,500 sqft coverage

Airtech Clean AIR Mini



Clean air mini - suitable for small areas like hotel rooms, offices, hospitals and building lobbies to control odor, smoke, VOCs and air borne pathogens. 1,500 sqft coverage

Airtech Clean AIR Turbo



Clean Air Turbo - suitable for larger spaces like commercial kitchens, butchery, restaurants, hospitals and farms eliminates odors, grease, dust, VOCs and air borne pathogens. 3,000 sqft coverage.

Rapid AIR Change Unit



Airtech Rapid Air Change Unit - Provides rapid air change in closed spaces within minutes. Cleans and sanitizes air and removes all harmful contaminants & odor. Suitable for sanitizing hospital rooms instantly, industrial spaces such as waste treatment facilities, food production factories, paint workshops etc.

Refrigerator Sanitizer



The Refrigerator Sanitizer and Food Life Extender by Fendtech is designed to eliminate odors, air pollutants, VOCs (chemical odors), mold, bacteria and viruses. The Refrigerator Sanitizer and Food Life Extender is easily mounted without the need of tools or modifications to your refrigerator.

Installation



Clear Air 100 %
Guaranteed

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Benefits

- ✓ Can be integrated into duct systems or mounted in Air Handlers
- ✓ Easily retrofitted into existing buildings
- ✓ Dramatic reduction in particulates and odors
- ✓ Low Energy consumption
- ✓ Low Maintenance requirement
- ✓ Proven Technology - Airtech's technology is proven to effectively break down chemicals and particulates present in tobacco smoke to provide a fresher environment for customers and employees
- ✓ No Ozone or Harmful Chemicals
- ✓ Provides Dramatic Reduction in H₂S, VOCs, Bacteria and Viruses
- ✓ No Chemicals, Carbon, or Additives or Hazardous Waste Disposal

Benefits

- ✓ Cleans the Air in the Building Providing a Healthier Environment for Workers
- ✓ Easily Retrofitted to Existing Plants
- ✓ Scalable from Small Lift Stations to Large Treatment Facilities
- ✓ Proven to reduce salmonella in poultry hatching areas
- ✓ Greatly reduces the incidence of molds on the outside of meat and cheese, eliminating the need to wash Salami or peel cheese to remove mold
- ✓ Eliminates Ethylene from ripening fruit and vegetables during transportation, improving food freshness and quality



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Thank you

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