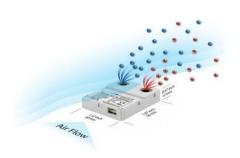
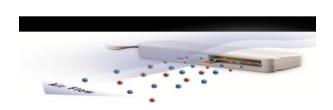




PRESENTATION













How bad is indoor air?

The US Environmental
Protection Agency
lists poor indoor air quality
as the **fourth** largest
environmental threat to
the country!

65% of colds are contracted at home





Healthy indoor air... the way nature intended

Indoor air pollution affects each and every one of us, regardless of where we live!



We spend over 90% of our time indoors!







Common Pollutants and their Risk

Pollutant	Risk
Viruses	Infection
Bacteria	Allergies
Mold	Asthma
Pollen	Flu
Animal dander	Fever





The Sterionizer™ Technology



Better Indoor Air Quality "for Fewer Sick Days"





The Sterionizer™ uses the *Nature Way* to clean the air we breathe

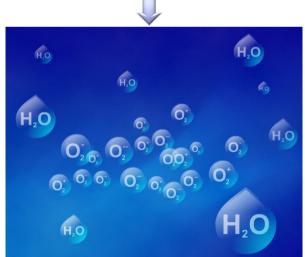
The Sterionizer™ uses a corona discharge system to charge oxygen molecules into O2+ and O2- molecules.

These molecules have very high chemical activity and when reacting with water molecules H2O in the air

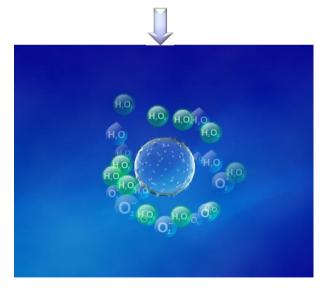
Hydrogen Peroxide H2O2 isfo

if ed.

A chemical reaction occurs and oxidants break down the protein structure of pollutants, rendering them harmless.











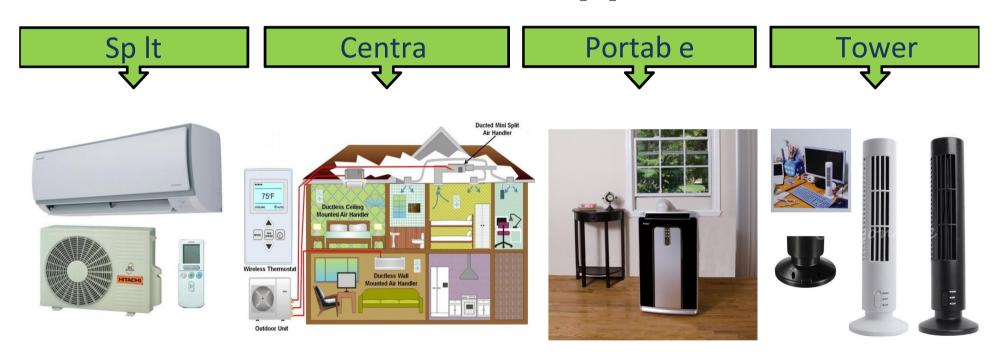
The Sterionizer™ Technology Our Application and Product Range

☐ Air Condition Systems
☐ Heat Exchangers
☐ Ventilation Systems
☐ Air Duct Systems and Air Outlets
☐ Refrigerators
☐ Air Purifiers
☐ Static Control Devices
☐ Custom Systems





Air-conditioner Applications



Residential & Industrial





Purifiers, Refrigerators and More

The Sterionizer™ products can be fully integrated within existing systems











Test Proven Technology

Bacteria

Fungus

Mo d

Spores

Viruses

Voes













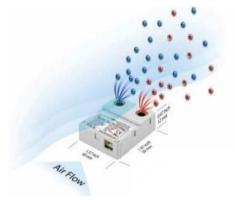
Sterionizer™ Efficacy Tests

Substance	Substance Name	Testing Organization	Removal	Year
Bacteria	Escherichia Coli	EMSL Analytical, USA	99%	2011
	Escherichia Coli ATCC	Istanbul University, Turkey	91%	2011
	Staphylococcus aureus	EMSL Analytical, USA	91%	2011
	Pseudomonas aeruginosa	Istanbul University, Turkey	99%	2011
	Staphylococcus aureus (MRSA)	EMSL Analytical, USA	99%	2013
Fungus	Aspergillus Niger	EMSL Analytical, USA	97%	2011
	Candida albicans	EMSL Analytical, USA	36%	2011
	Dichobotrys abundans	Prof. Joe F. Boatman, USA	90%	2006
	Penicillium	Prof. Joe F. Boatman, USA	95%	2006
Mold	Cladosporium cladosporioides	EMSL Analytical,	97%	2011
Spores	Bacillus subtilis var niger	Istanbul University, Turkey	89%	2011
Viruses	Influenza H1N1	Kitasato Research Center, Japan	99%	2011
	Influenza H5N1	Kasetsart University, Thailand	99%	2011

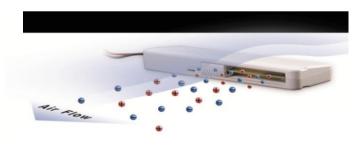


FOOD STORAGE. BREAKTHROUGH!!!

It has been shown that **the Sterionizer™** *IMPROVES* storage conditions of food products through continuous sterilization of a cooling room without the use of chemical or radioactive substances







Comparative Test without the Sterionizer™



After two weeks refrigeration









Comparative Test with the Sterionizer™



After two weeks refrigeration











Comparative Test. Visual Findings

Food item	Refrigerator <u>without</u> the Sterionizer™	Refrigerator <u>with</u> the Sterionizer™
Tomatoes without a plastic bag	Advanced fustiness	First signs of fustiness, item relatively fresh
Cucumbers in a plastic bag	Advanced fustiness, molds	Fresh
Yellow cheese	Clear signs of molds, dry	No signs of molds, dry
Cup of milk	Yellow/Brown color, bad smell "muddy" texture	Normal color, normal smell, pellicles (natural)
Cherries	Advanced fustiness in most items	Only first signs of fustiness in some items. Most fruits are fresh.





Comparative Test Results

Food Item	Total Count		Coliforms Count	
	Refrigerator with the Sterionizer™	Refrigerator without the Sterionizer™	Refrigerator with the Sterionizer™	Refrigerator without the Sterionizer™
Cherries	470	1450	550	1500
Tomatoes	500	10000	10	2200
Milk	10	30000	10	520





The Most Frequently Asked Questions









	Question	Answer
1	What is the lifespan of the ions? When are they combined with the ions of the opposite charge and what does it depend on?	At bipolar ionization positive and negative ions are combined both with each another (recombination) and also with molecules of water present in the air (humidity). Ions recombination depends both on humidity and air dustiness. Hence, ionic activity in the air happens constantly during The Sterionizer operation.
2	How important is the flow direction and what happens if there is a flow from one electrode to another?	The air flow in the direction from one electrode to another is undesirable, because the dust contained in the air flow when passing the first electrode acquires an electric charge (e.g. negative). When the air flow stream passes the second electrode which has an opposite electric potential (positive), the negatively charged dust settles on this electrode, impeding ionization. As a result the need for more frequent cleaning of dusty electrodes is necessary.
3	How to calculate correctly the quantity of ionizers required per room or air duct?	The quantity of The Sterionizer required in the room or air duct is determined by measuring the amount of ions in the room which should not exceed 50.000 ions of each sign per 1cm , in accordance with the standards.
4	How to define proper working conditions of the Sterionizer and what is a normal concentration of ions in the air?	The Sterionizer is equipped with a diagnostic function, which confirms the operation of the ionizer and the ion concentration (refer to the installation instructions).





	Question	Answer	
5	What confirms the fact that air in a room equipped with the Sterionizer is cleaner?	The Sterionizer kills bacteria and viruses in the air indoors. This is confirmed by the results of tests held in various bacteriological and virologic institutes in different countries (refer to certificates).	
6	What is the lifespan of the Sterionizer ?	The lifespan of the Sterionizer is limited only by ionizing electrodes which become shortened due to the emission of metal from the edges of these electrodes. However, due to the insignificant emission flow the electrodes ensure a normal operation of the Sterionizer for 4-5 years.	
7	What is the degree of ozone emission into the air in a room equipped with the Sterionizer ? When do I have to take care of the ozone output?	Ozone output in the Sterionizer is 5ppb, while according to the standards the maximal allowed value is 50ppb. This allows the use of up to 10 ionizers in one room without fear of exceeding the ozone level.	
8	What happens to the ozone level in the air duct if the air flow fails and a strong ion bar is producing ions?	When installing the Sterionizer in an air duct, simultaneous disabling of the ionizers should be provided when air flow fails, in order to avoid the accumulation of ozone. This will also increase the Sterionizer lifespan.	





Thank You!