





A Comparison of: Conventional HVAC Filtration and UV and

EcoQuest International's
Fresh Air and DuctwoRx Air Purification Systems
with

Space Certified RCI Technology





Conventional HVAC Filtration Systems w/UV

- Passive Systems Waits for contaminants to pass through filters and past UV.
- Only traps particles 3 microns in size and larger (the majority of particulate in a home is less than 3 microns).
 This smaller particulate is what causes allergic and asthmatic reactions.
- Only 20% 30% of indoor air will pass through the system. *
- Cannot eliminate gases, odors, VOC's, viruses, bacteria, pet dander or tobacco smoke in the breathing space.

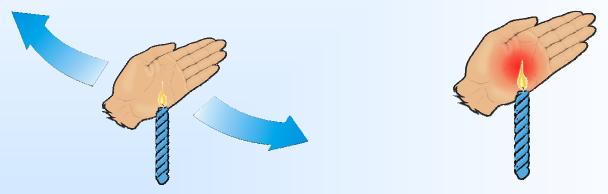
*Try this experiment. Put a balloon on the floor at the farthest point from a cold air return. Turn on the HVAC fan and see if the balloon migrates toward the cold air return. It won't. So the questions becomes: if the balloon doesn't get drawn to the cold air return how will the particulate get drawn into the system?

ANSWER: It doesn't! It is still in the breathing space.

<u>UV Ineffectiveness</u>

Candle Analogy

 If you move your hand over a candle flame rapidly you will feel nothing. The slower you move your hand through the flame you increase the exposure time creating the ability to get burned.



 Mold must be exposed for at least 3 seconds to UV at very close range to kill it. Mold passing by a UV light at a high rate will not be destroyed allowing re-contamination of the breathing space.

Questions About Mold

What if you had mold growing in the corner of a room?

- How does the mold get drawn up into the cold air return and into the HVAC system?
- What if it gets past the filter?
- Will it be exposed to the UV light long enough to kill it?
- So what happens? It re-contaminates the breathing space.
- Then what happens?
- We have the opportunity to inhale it OR it has a 70% to 80% chance of NOT entering the HVAC system AND the opportunity to begin to grow somewhere in the home!

So What Is The Solution For The Pollution?



Active System – Produces:

- Hydroxyl Radicals OH⁰
- ➤ Super Oxides O₂-
- ➤ Hydroperoxides HO₂-
- ➤ Ozonide Ions O₃-
- ➤ Hydroxides HO-



- "Purifying Plasma" distributed into breathing space throughout entire home
- Eliminates odors, viruses, bacteria, microbials, mold, VOC's at the source.
- Drops particulate from the breathing space at the source
- RCI Advanced Oxidation Process
 - > Reacts up to 40 times faster than ozone alone
 - Attacks virtually all organic compounds
 - Provides a redundancy of oxidizers
- Covers a whole home up to 3000 square feet



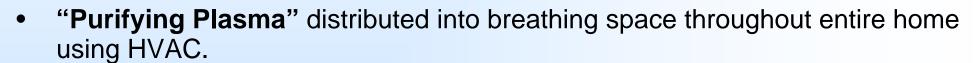




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- ➤ Ozonide Ions O₃-
- ➤ Hydroxides HO-

All found in nature



- Eliminates odors, viruses, bacteria, microbials, mold, VOC's at the source.
- RCI Advanced Oxidation Process
 - Reacts up to 40 times faster than ozone alone
 - Attacks virtually all organic compounds
 - Provides a redundancy of oxidizers
- Covers a whole home from 2000 to 3000 square feet
- Works well as an enhancement to the Fresh AirTM







"Built In" RCI Technology A NEW Product Line

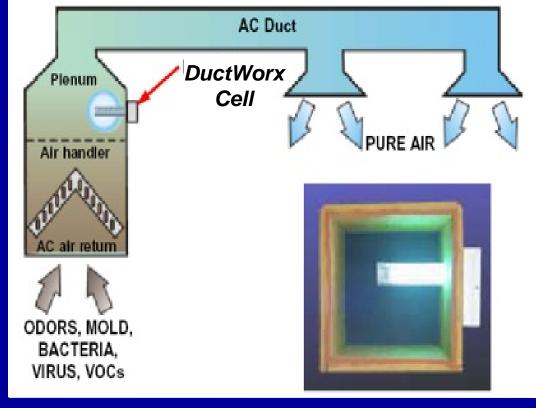
Duct Work

Commercial & Residential

HVAC Air Purification 2,000 – 10,000 SQ FT



Actual lab tests showing up to 90% reductions of airborne bacteria and mold

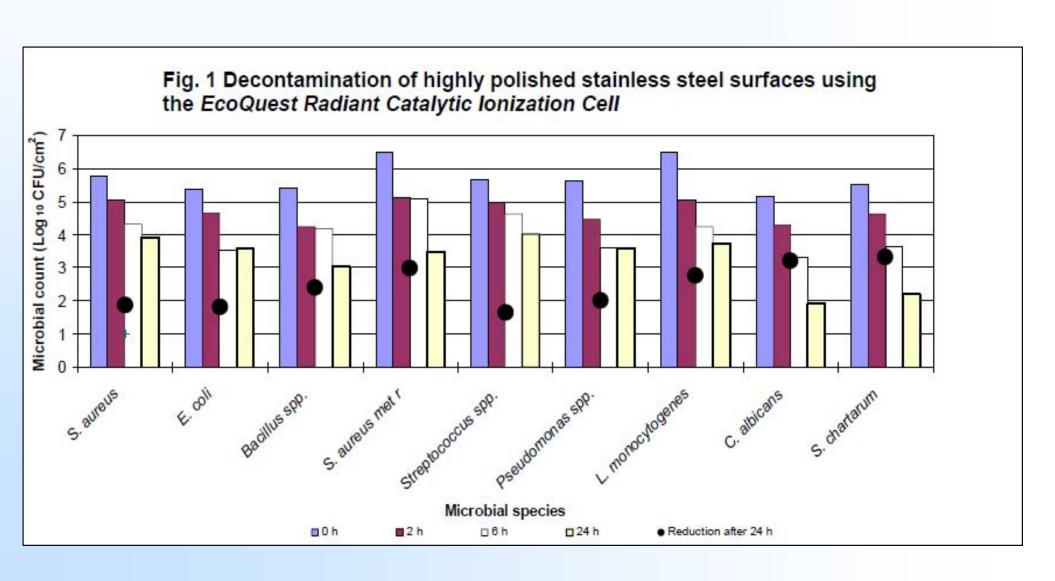




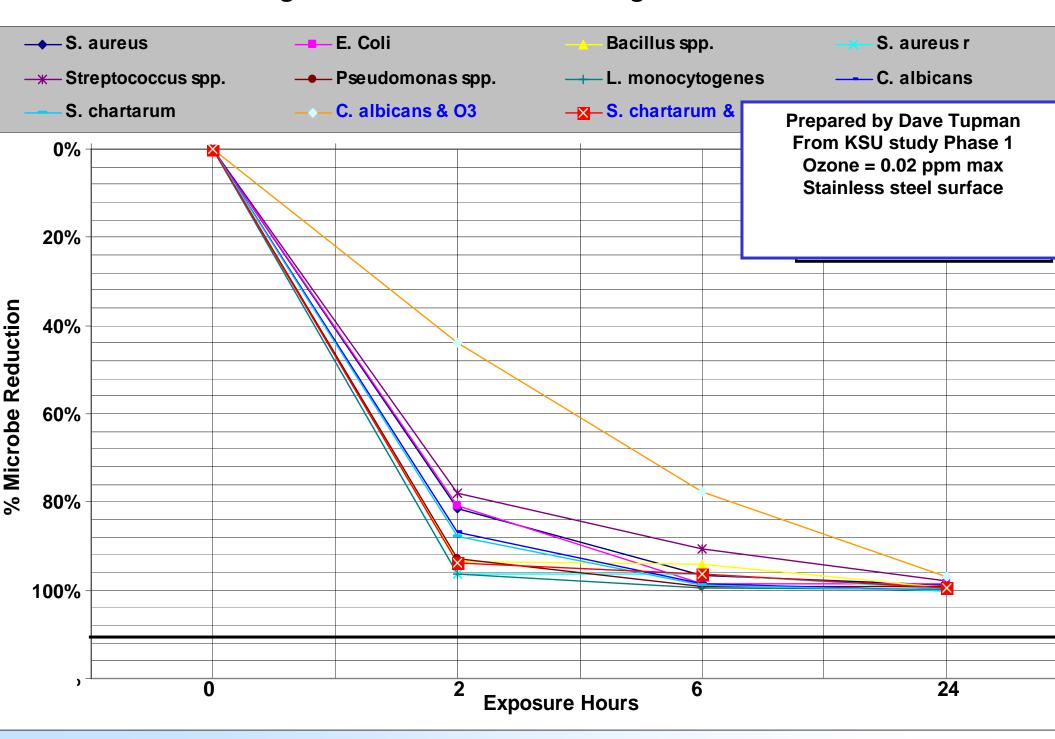
RCI Probe advantages

- •RCI Probe produces a "Purifying Plasma".
- •RCI has been shown to sanitizes up to 99.9% of microbes on surfaces in 24 hour as well as destroy odors.
- •RCI takes a quantum leap in effectiveness versus UV lights just like air conditioning did for cooling when compared to fans.
- •RCI probe construction just about eliminates breaking of bulbs. Current UV bulbs can easily break and release mercury.
- Bulb life is almost 3 times existing AC UV bulb systems

Kansas State University Test Results



KSU Microbe Reduction Tests Using "RCI & Ozone" Technologies 11-14-05



EcoQuest Air Purification Systems Installed In Four County Schools

Professor Says His Research Shows Their Effectiveness

By BILL JONES Sport Worker

Technology used in air purification ejetieme marketed by Greeneville-based Eartheast International also has been shown to he offictive in reducing factorial impanisms counts on stainlesssteel surfaces a Karsens States University professor may his resourch shows.

De Junes Muscles, regente distinguished professor for feed unfety and sesurity at Kausan State University, spoke about his research during an April 17 meeting here that was aftended by local government and educa- first he said, noting that the Sun. tion leaders and EroQuest International officials.

The meeting we held in the affice of Greene County Mayor Ragger Jerses and also gots attended by De Joe Porkins, Greens Crenty's director of achiele, and EcoGoost International Presidept Mike Jackson.

Mover Jones noted that Eco-Quest air-porification systems were danated by the company for use in improving the air stade washt light technology in the Eacoffices in the Greene County. Courthouse than have been affected by fionding in the past,

Dr. Parkins said that EcoQuest. simpurification systems, which were denoted by the company are in use in four county schools: Glenwood, Haileston, Camp. Creek and DeBusk elementary

"It boon't post no anything, units have used." he said.

Parkins and the movement. over recent decades to air-conditioning of echools and, thereby to and oxygon. limit entrance of fresh nic may have contributed to arequester becteris and other infectious surfaces. multilenns.

"Although too have became more comfertable, we have eroatted an industrial fairt problem." Parkins said. If we can find ways to constantly listing fresh air lists constart hereis that we require, mea,"he said.

it would be great. That recess to be what this process (EcrQuest. technology) in doing?

EcoQuast President Accessor. pledged during the meeting to work toward equipping off pounty the said. schools with EorGoest aircraftcotton westerns.

HCI Technology

Judger also and his mrmany had purchased "Radiont Catabtic semination (HCD) technology from a Florida firm that develepoil it for use on the International Space Station.

Bealls: what wi'm doing is bringing nature's power indoors to make a fewher environment." Jackson said.

Dr. Marsdon and the HCl technekery used in EcoCoast systems done almost the same thing that the Sun does.

"Stockght is the ultimate puricreates temperates in the Karth's stmoothere). If you have furevent like the cruption of Mr. St. Helens volcano! (base (dust) purtides don't stay in the air furever. Ionization bridge the (dust) particies back down in a relatively short period of time."

The Sures oftroviolet light also serves to an anti-microbial agent. Dr. Marychen worth

Similarly, he said, the talens-Guest systems converts water viget, temporarily this 'very suppressive artisticrobial con-

The worse vapor in the air that passes through EcoQuest systems, he said, is oxidized into hydrogen pessoide vogor, which is 'a very offerties anti-monthfull'

After lelling infectious agents except what little electricity the that it conce in contact with the indragen personde vager gener- cent." sted by the EcoQuest systems property back to humpless water hand-scashing he said model

> "h's a very natural way to kill saveras," Dr. Marsden and,

In the post, he said, homes and treatment term much more opento sombiful and fresh air from the

Because of energy concerns, our buildings while maintaining we've welled off our buildings,

The Enthres's technology can establishment of an equilibrium overcome the lack of fresh air inside humos and buildings becleaning the existing air.

"This is a preventative avadess."

Viruses Targeted Too.

laboratory conditions, the Eco-Gunetis systems had been able to eliminate the Norwalk View 30 injustes.

family of circusts," he said. "Write in the process of validating each and over virus individually."

Dr. Mareden said the new Eco-Quest units don't increuse ozone sensentrations inside buildings where they are in use.

a added that a major Floridabased entertainment company until which he worked was "very surprised to find out that occur levels were actually leaver with EroQuost eméporant exerction in the fair-conditioning dust work,"

Asked how that was possible. Dr. Marsden said that while the EcoQuart consensus produce in small amount of orong" oftenviolet-light technology used in the units actually decomposes more.

"So what it tends to do is regulate the oxone level," he said.

EcoGrant's Jurisons and that REI technology used in BioQuest waterns had been shown to be able to destroy on surfaces, mid. milden bucteria and viruses without having orose lovels go

Goal: Break Infection Cycle

Dr. Marselon said he field the EcoQuest systems, when conhinsel with his appropriate hardwashing americal could reduce transmission of many infectious discusses in advanta by 88 per-

The EcoCoest conjunent and help eliminate englammation in dodg, door handles and other.

"It could breek the infection. evelo," he said.

As advantage of pains the Em-Quest confirment, incorporating BCT technology, is that it remains: in operation 24 hours a day, seven days a week, Dr. Maraden sout.

That, he said, leads to the

in the hoose environment.

Dft. Morsden said that in his own homes, he has EcoOpent airpartition systems as each level of the residence.

He noted his studies were pre-Dr. Macedon and that under sented during the US. Department of Agriculture's Food Safety Conserting meeting but that

"The paper was published in from a metal test surface within. the proceedings of that meeting: and USDA is define an article "We've trying to get the whole about the technology in their nowslotten" De Morsden mid.

> Emiliant Promient Jackson sold he had attended a Some Symposium markeyers hast month in Colorado and noticed that BCI technology was featured in a magnetine orticle us howing been originally developed by NASA for use on the Internatimal Space Station to combat the enuses of allergies.

> "What happened was that this company in Florida developed it. (BCI technology) to a higher level using four rare metals, and we hought that technology and have now brought it into our cure technologies," Jackson said. what we sold 10 years ago.

"Now, with the help of the University of Cindministi and Kansas State University we're getting the validation studies to show what it does."

School Use Ched

duckson said that EmQuest equipment was donated for use in four Greams County schools.

"De Fluikina, we're just theilled to be able to case something back to this community that her given as we much in the form of a provi place to work, good workers and is good place to five," -lackness suith. "We've looking forward to getting the net of the schools outfitted twith EcoQuest airpurification straignment).

Dr. Parkins replied: 'We appear chate it. Anything that you can do to help us make a safer my irrament for our students, we arran-

Courthouse Use Cited

Greene County Mayor Jones said EroQuost units that include the BC2 technology have been in use for some time at the Greene

County Courshouse, portions of Installed an EosQuest unit in his which were offected by feeding bonse because his doughter sufin June 2004.

Jones until mold grew in portacted EcoCoastic Jackson to see - breliminated," if any of his emmany's products was removed.

cough with their (EcoQuest's) returned. unbrical people," Juras soil.

KosQuest technicisms subseequipment in the courthwise. mostly in he heating, ventile-Son and oir-endisoning duetaaccording to Jenus.

"It (the EcoQuest equipment) has everked great," Mayor Jones. Isstier for people than not havsaid. Tknow some of the employ-ing healthy, fresh air. We're see down there would mass a let happy that people got good of week in the just because of results, but we don't make (previous) respiratory problems,"

Joyen said the Endbest equipment installed at the courthorseapparently had kept mold from regrowing in the lower level of the The much more advanced than murthrose after it was decord. up by the environmental firm.

> said. With what you have done affected an employee now. I grass it's been technicalby proven that it the EcoQuest Status heave."

Jones also nated that he had since," he said

ferred from allergies and authors.

Before we got the unit. I was tions of the asserthouse after the having to take her to the hospital faoding and was removed by an three or four times a vene," hoenvironmental descript firm, said. Once we get a unit in our Jones said he subsequently our-home that was almost complete-

The maryor poted that his belief right help lives the air inside the in the effectiveness of the Ecomurthuse dom after the mold. Quest unit was reinferred after he turned it off the a few weeks "Immediately Mike get us in and his daughter's symptoms

However, EcoQuest Presidest Jarkson emphasized that quently installed air-confication. EcoQuest "absolutely makes no health sisions" on behalf of its products.

> "What we do say is that we can chain the environment," he said. "Healthy fresh air is any chame about affergies or any health conditions."

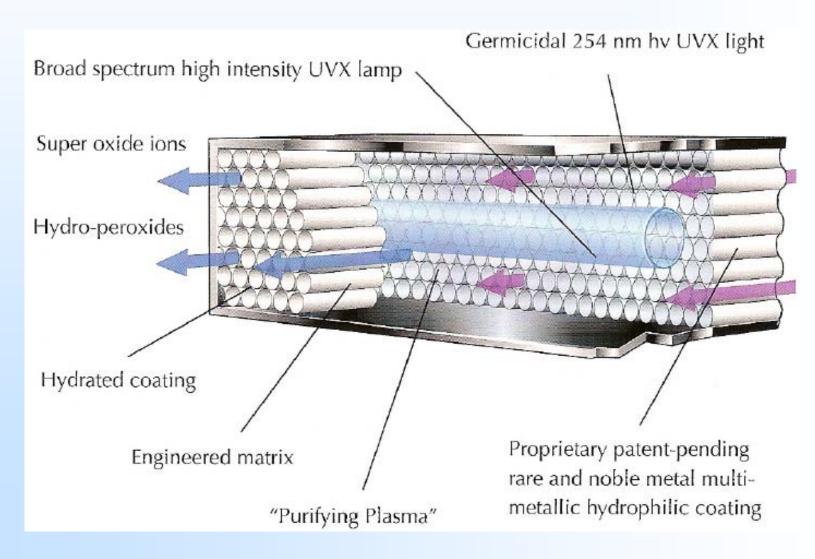
Dr. Marsden said he was aware of similar situation in the business office at Kansas State University, where mold spores had been linked "It was just phenomenal" he to respiratory illness that

"We elemed it (mold) up and installed two of those equipment does work. But we've (EcoQuest pir-purification) known that it works for a long units in the main office area and haven't had a problem

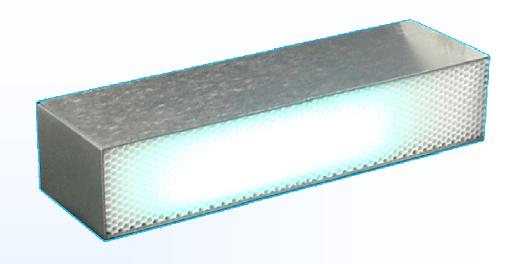


The Next Generation





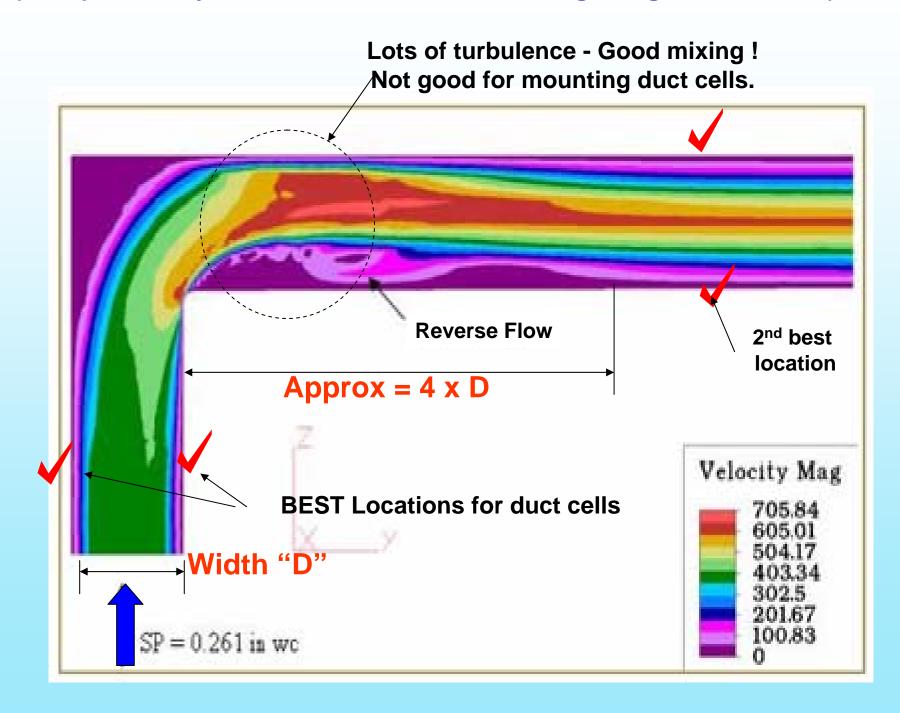
"Photo" Process

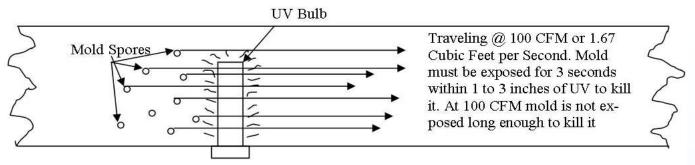


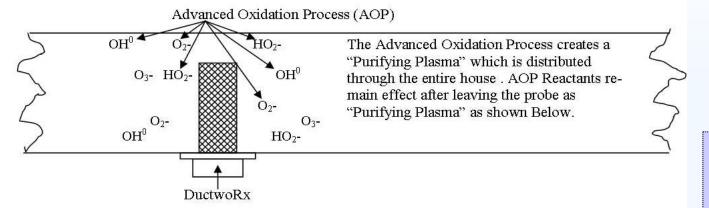
RADIO WAVES	MICROWAVES		INFRARED		VI	SIBLE LIGHT UV		RAYS	X-	X-RAYS GAMMA RAYS		
VHF AM SW TV FM	RADAR	MICROWAVE COOKING	INFRARED COOKING	INFRARED VISION	INCAND	ESCENT / FLOURECENT LIGHT BULBS		TANNING RAYS RCI			FOOD IRRADIATION NUCLEAR POWER	
	OXIDATION / STERILIZATION						UVX	MEDICAL X-RAYS		NUCLEAR WEAPONS		
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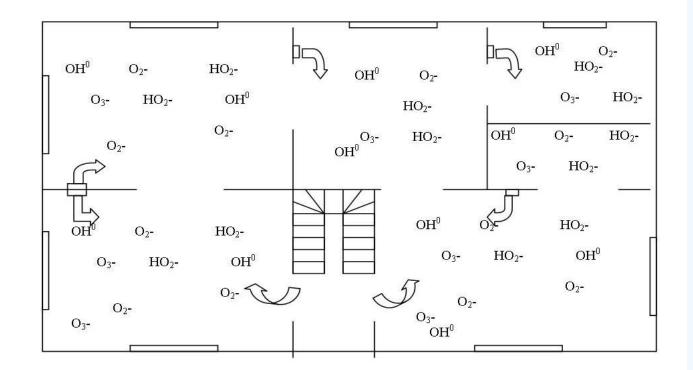
DUCT CELL LOCATION TIPS

(Computer analysis of air flow turbulence at a "right angle" transition")









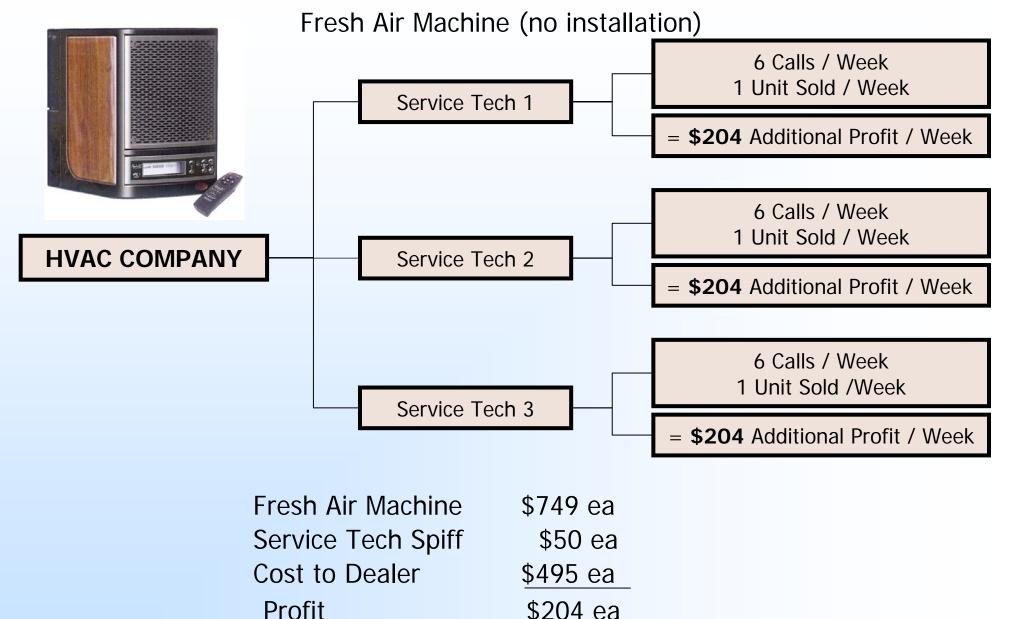
ECOQUEST INTERNATIONAL



The Advanced **Oxidation Process** produced with the Fresh Air and DuctwoRx creates a "Purifying Plasma" that is distributed into the breathing space and attacks the problem at the source. This process is at work continually throughout the entire home as illustrated in the diagram at left.

ADVANCED OXIDATION TECHNOLOGY

Eliminate odors, Air Borne / Surface Contaminates, VOC's & Controls Particulates

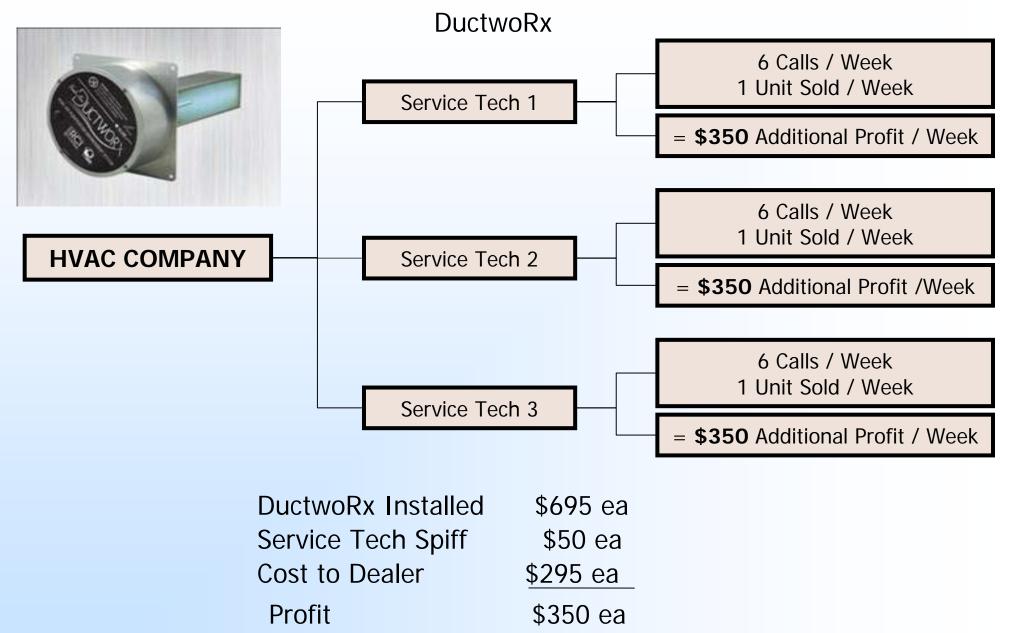


Total Annual Profit is Approximately \$30,600

(Based on 3 service techs / one sale per week each.)

ADVANCED OXIDATION TECHNOLOGY

Eliminate odors, Air Borne & Surface Contaminates, VOC's



Total Annual Profit is Approximately \$52,500

(Based on 3 service techs / one sale per week each.)



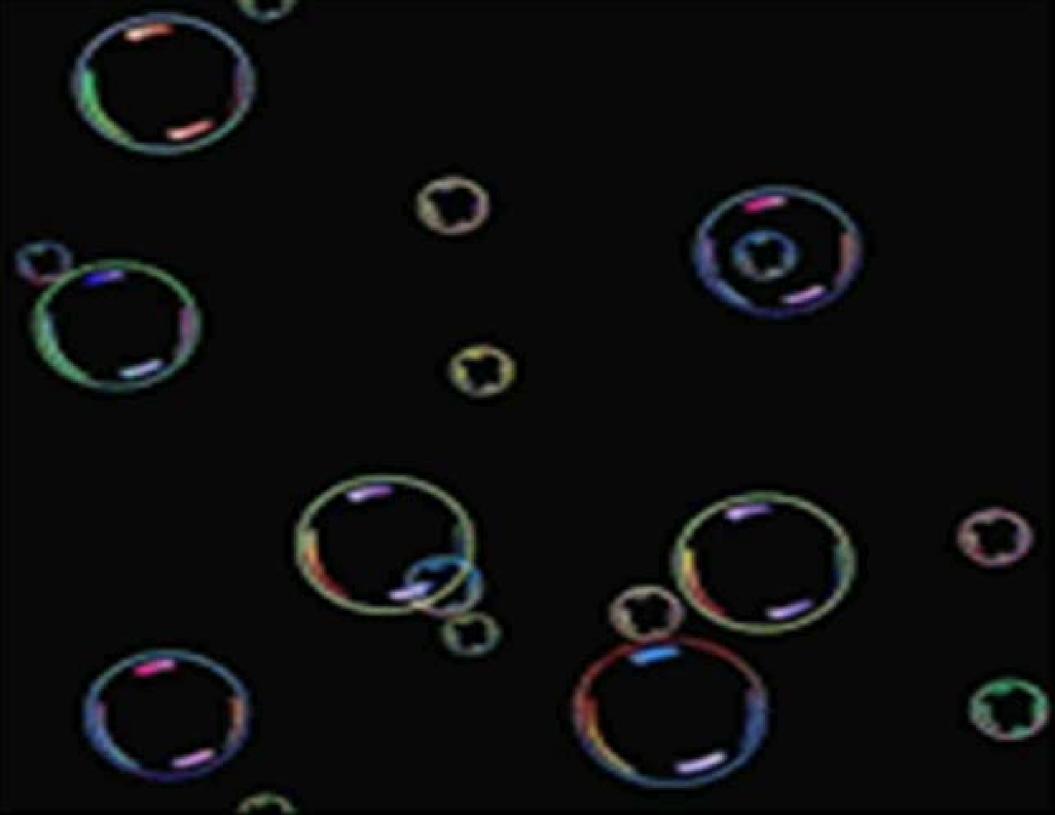


What if you didn't need:

Detergent, Bleach,

Fabric Softener or Hot Water

To wash your clothes?



How Does It Work?

RCI Technology

Using a technology developed by NASA and improved by EcoQuest, the "RCI Cell" produces millions of tiny oxygenated air bubbles that are injected into the water, which clean your clothes without the use of harsh chemicals.

LaundryPure also incorporates other processes, including Silver Nano Ions, which provides odor protection for your clothes.

The LaundryPure Experience

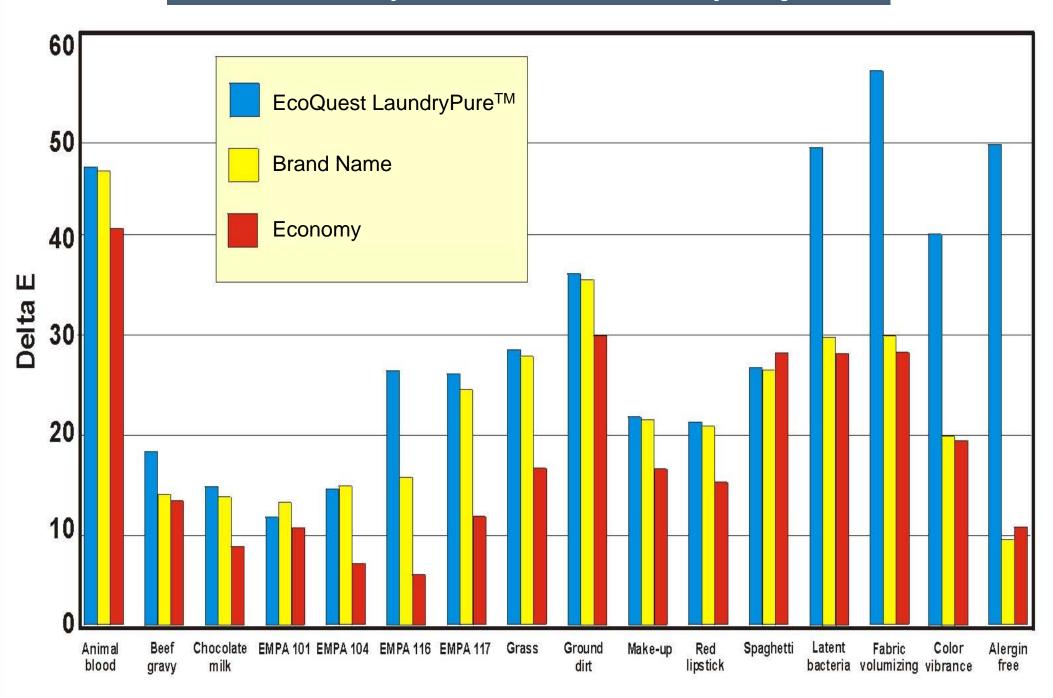
- Better for your Clothes...and your skin
 - Money Savings
 - Bacteria Killing
 - Environmentally Friendly
 - Makes Doing Laundry EASIER!





Commercial Laundry Test

EcoQuest Laundry Pure vs. Brand Name & Economy detergents



Benefits

- A product line that provides a total solution for indoor air pollution that a typical HVAC system only minimally addresses.
- The ability to provide customers with state-of-the-art Space Certified
 Technology used by NASA in the Space Program that is not available from
 any HVAC manufacturer.
- The potential to increase bottom line profits significantly.
- The opportunity to expand into other products areas easily to provide additional "Healthy Living Technologies" while adding to bottom line profits i.e. LaundryPuretm
- Backed by months of testing and published "peer reviewed" studies at major US Universities.
- The satisfaction and confidence knowing you and your company have the best products available from a 20 year old company that began the indoor air purification industry, and is the world leader with its state-of-the-art cutting edge technologies.