

RCI: Cutting Edge Healthy Living Technologies

EcoQuest is and will remain on the cutting edge of innovation. Our team is already at work on the next round of breakthrough technologies to improve the lifestyles of families across the globe and to carry EcoQuest through another 20 years of Healthy Living innovation.



EcoQuest Whole Home System



Radiant Catalytic Ionization (RCI) combines high intensity UVX light with a patent-pending multi-metallic coating to produce super oxide ions and hydro-peroxides, which reduce airborne contaminants and odors.



Our SynAirG™ technology disperses activated oxygen and negatively charged ions into the air to oxidize pollutants, attract airborne particles, and remove them from your breathing space -- leaving behind fresher, cleaner air.

Air purification the natural way. How does it work?

EcoQuest's products purify your air using a combination of two primary technologies. (Note the brief description of each technology to the right)

The first technology, RCI, uses UV light and a rare metal hydrophylic (water absorbing) coating to produce hydroxyls (combined water and oxygen particles) and disperse them to "scrub" the air. The result is similar to spraying an ultra-fine mist of hydrogen peroxide (a safe, effective, and commonly used household disinfectant) into the air.

The SynAirG process duplicates the ionization (electrically charged particles generated in a thunderstorm) and oxygenation (the oxygen saturation of air to purify contaminants) that occurs in nature, and uses them to clean indoor air. The result -the same fresh air that you experience after a thunderstorm.

Click on the images below to see a larger illustration of how the technology works.

