



## Active Radiant Catalysis - A.R.C.®

### ABOUT THE TECHNOLOGY

A.R.C.® utilizes photo-catalytic oxidation technology that generates advanced oxidation products (AOP's), primarily consisting of hydro-peroxides, or vaporized hydrogen peroxide. Photo catalytic oxidation technology replicates nature's purifying process through the use of ultraviolet energy to activate a multi-metal catalyst, converting water vapor into oxidizers including peroxide and hydroxyls. These oxidants will either inactivate the microbe by the process of cell lysing which compromises the cellular integrity by oxidation penetrating the cell wall, or by changing the molecular structure rendering the contaminate harmless.

