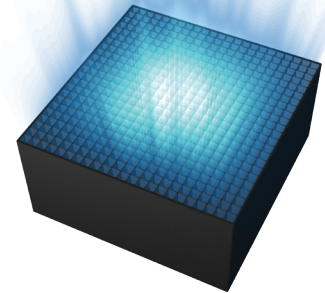




## The ASHRAE® Position Document on Filtration and Air Cleaning is Here!

The recent position document from ASHRAE is a validation of the approach to indoor air quality technology that define Patriot IAQ. The document clearly states that ASHRAE confirms the safety and effectiveness of both germicidal UV light (section 2.4) as well as photocatalytic oxidation (section 2.3). These are the core technologies of Patriot PCO.



APCO® carbon cell  
with UVC light



### Ozone is Harmful

The ASHRAE document also call into question the safety and effectiveness of technologies that broadcast ions, ozone, and other species of airborne oxidizers into the occupied spaces of buildings.

Section 2.6 states that "Ozone is harmful for health and exposure to ozone creates risk for a variety of symptoms and diseases associated with the respiratory tract"; "Ozone emission is thus undesirable".

And "The current state of the science regarding the health effects of ozone strongly suggests that the use of air cleaners that emit ozone by design should not be permitted; the same information and advice is given by the U.S. EPA, among others (EPA 2013)".



### Reactive Oxygen Species

"Attention must be paid to certain air-cleaning technologies that claim to produce radicals (e.g., hydroperoxy, peroxy, and hydroxyl radicals) that become airborne (gaseous state) as a means of effecting air cleaning/treatment. These species are ROS and are well known to be very short-lived in the gas-phase (airborne). Few studies in the peer-reviewed literature, if any, have measured these radicals in the gas phase as a means of an effective air treatment with such air-cleaning technologies".

# PATRIOT IAQ

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