



Subject: Efficacy of supplemental disinfecting systems, such as bipolar ionization	Legal reference: NA
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This Technical Advisory is issued to notify schools and school districts about the use of bipolar ionization air cleaning technology, which is marketed for use as a portable air cleaning technology or a retrofit into an existing heating, ventilation and air conditioning (HVAC) system to help reduce the virus that causes COVID-19.

The efficacy of supplemental disinfecting systems, such as bipolar ionization (also known as needlepoint bipolar ionization), in school environments is relatively untested and such systems are not necessary to meet current Centers for Disease Control and Prevention (CDC) and American Society of Heating, Refrigerating and Air Conditioning Engineers, (ASHRAE) COVID-19 guidance. In addition, the U.S. Environmental Protection Agency (EPA) has not concluded that this is a proven and effective technology for COVID-19 mitigation or improved air quality. For more information on EPA research that evaluates the efficacy of different types of aerosol treatment technologies see:

<https://www.epa.gov/emergency-response-research/covid-19-aerosol-treatment-devices-ozone-disinfection-webinar/>.

To help reduce the virus that causes the COVID-19 disease, both the CDC and ASHRAE guide users on optimizing current HVAC systems, increasing air exchanges, and providing adequate filtration

Resources:

CDC COVID-19 Ventilation in Buildings -

<https://www.cdc.gov/coronavirus/2019-ncov/community/ventilation.html>

ASHRAE Core Recommendation for Reducing Airborne Infectious Aerosol Exposures -

<https://www.ashrae.org/technical-resources/resources>

For questions related to this Technical Advisory, please contact:

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