

Proper ventilation and filtration in your HVAC system are the first line of defense when it comes to preventing the spread of airborne diseases – and it's also the industry standard, meaning you've been practicing it since before the initial discovery of COVID-19. In these unprecedented times, we've identified three additional methods to consider implementing in your buildings' HVAC system to protect your air quality and mitigate potential COVID-19 exposure.

## 1 Humidity Control



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Plan ahead for the upcoming flu season and potential second wave of COVID-19 by taking measures to add humidification to your building today. It is vital to maintain relative humidity levels between 40% and 60% to limit the range where bacteria and viruses thrive. Prevent the spread of airborne diseases and ensure that the healthy indoor parameter is met with a correctly engineered humidification system in your building.

Effective bipolar ionization technology ensures ions get into spaces where they successfully clean the breathing zone and surfaces. This technology is proven to be highly effective in both laboratory and situ testing against MS2 Bacteriophage, Staph, MRSA, and C. difficile, showing significant reduction of bacteria and viruses. Bipolar ionization manufacturers are currently working to further validate effectiveness against the novel COVID-19 virus.

## 2 Bipolar Ionization



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## 3 UV - C



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Every microorganism requires a specific UVC dosage for inactivation, including coronavirus. While UV systems have not been specifically tested against coronavirus, they have been tested and proven effective against similar pathogens, some that require an even greater dosage for inactivation than coronavirus. UV disinfection systems for room, surface & HVAC are an ideal proactive measure to complement filtration. Microorganisms, particularly viruses, are so small that non-HEPA filters are mostly ineffective. The UV systems have also been shown to reduce problematic molds and pathogens that are found within the HVAC system and drain pans that would otherwise be introduced and distributed throughout the envelope of the building.

## We're Here to Help

Choosing the right partner to assist in this process is an important step. At Air Equipment Company, we have over 75 years of experience. Our team has the skills and knowledge to assist you with a wide variety of applications.

Give us a call at 502-587-7349 for more information, or visit [www.aecky.com](http://www.aecky.com) to learn more.