

Carson Solutions is so excited to announce the addition of AtmosAir's Bi-Polar Ionization (BPI) technology to the QLCI! The ASHRAE Epidemic Task Force recently released new recommendations for schools and universities and lists BPI as a filtration approach without the added pressure drop. Carson Solutions patent-pending application creates a healthier environment for all.

### ABOUT DISPLACEMENT VENTILATION

Displacement ventilation is proven to remove space respiratory contaminants in occupied zones. The industry-renowned Harrick Lab at Purdue University has validated stratified air conditions in cooling and heating modes through CFD modeling. With proven year-round displacement ventilation, the QLCI doesn't just dilute spaces with air, it effectively purges contaminants out of the breathing zones.

### ABOUT BI-POLAR IONIZATION

Bi-polar ionization (BPI) generates negatively and positively charged ions through an environmentally friendly process. These ions directly attack the DNA of bacteria and viruses, protecting your space's inhabitants from illness and disease. Per UL867, BPI emits no ozone and has no harmful byproducts. AtmosAir's bi-polar ionization has verified by a top lab to kill 99.92% of the Coronavirus (strain 229E) within 30 minutes of exposure.

### DISPLACEMENT VENTILATION + BI-POLAR IONIZATION

Together, the displacement ventilation technology of the QLCI coupled with bi-polar ionization (BPI) makes for a healthier occupied space. The near-floor supply air outlet on the QLCI delivers active ion charges that directly attack the heavier droplets that have fallen or collected on lower surfaces. The strategic direct mounting of the AtmosAir BPI provides improved sanitation effect of viruses and bacteria versus the standard air handler. This proactive approach continuously flushes and attacks contaminants during occupied times. Both technologies are have been independently tested and proven to sanitize and purge contaminants for an improved indoor air quality (IAQ).

### NEW CONSTRUCTIONS OR RETROFIT!

Implement QLCI + BPI for your next design project. Have the QLCI already installed? Integrate a retrofit kit for increased IAQ benefit.

