

THE IMPACT OF **POOR AIR QUALITY** ON COGNITIVE FUNCTION

Can Air Filtration Boost Your Brain?

Have you or your employees experienced days where you can't seem to focus? You come into your office or facility, attention span is lacking, and productivity is down. It may not be another coffee that is needed, but new and improved air filters.

It can slip our minds how much air quality comes into play with how we are feeling and thinking. But, the air we breathe 24/7 affects us on many levels. When it comes to air quality, there are two acronyms to learn, CO2 and PM2.5.

CO2, also known as carbon dioxide, is exhaled from the lungs and is a byproduct of the human body's metabolism. Within certain ranges, CO2 helps maintain the global hospitable temperature. Increased levels of CO2 however, carbon dioxide levels in our blood rise and reduces the amount of oxygen to our brain. PM2.5 is particulate matter that is 2.5 micrometers. Sources of PM2 are created by pollutants in the atmosphere from chemicals like sulfur dioxide and nitrogen oxide. These chemicals tend to emanate from industrial areas. High exposure to these chemicals and pollution for long periods from industrial areas, can cause impairment to the brain's temporal lobe.

Negative air quality can impact memory, language skills, response times, and productivity. Is your facility located in an industrial area? Some things to take notice of is the amount of traffic, as automobiles cause air pollution, and what kind of other facilities are located near yours and what type of emissions come from them. If you or your team members have experienced being forgetful, having a harder time recalling words, slower response times when answering questions, and decreased productivity, it may be time to upgrade your HVAC system!

HOW WE CAN HELP | PRODUCT GUIDE



MERV 13 STANDARD PLEATED FILTER

- Captures 98% of airborne particles (0.3 10.0 microns)
- Targets fine allergens, bacteria, and some viruses
- Comparable to MPR 1500-1900, FPR 10
- Hospital-grade filtration for cleaner air
- Captures bacteria & virus sized particles



RING PANEL

- Antimicrobial agent embedded inhibits growth of mold, mildew, bacteria, & other microbes
- Leak-proof design prevents unfiltered air from infiltration the HVAC system
- Dry tactifier means no wet residue left behind when installing
- Prevents spread of airborne microorganisms leading to improved indoor air quality



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