



Indoor Air Quality Solutions: *One Technology Doesn't Fit All*

Why IAQ?

Since the onset of the COVID-19 pandemic in 2020, IAQ (Indoor Air Quality) has been top of mind. Donwil has since developed strategic partnerships with the major IAQ product manufacturers of differing technologies to help you decide what solution works best for your building. Nothing is more critical to your business than your people. At Donwil, we've been supporting the most critical industries since 1965.

The Importance of Humidification

Maintaining relative humidity between 40%-60% can help slow the spread of viruses like coronavirus. Studies suggest that the higher humidity can enhance the body's ability to fight of infection and drier air can lead to greater numbers of virus that can travel farther and be penetrated deeper into the lungs. You don't want the air too moist to encourage mold growth which makes it that much more important to control humidification in your space.

The right indoor air quality solution depends entirely upon the problem it's trying to solve. Is the solution for an existing building or new construction? What is the building being used for? Are you looking to eliminate odors, mold, bacteria, COVID-19, VOC's? Or are you wanting your HVAC system to operate more efficiently? Asking these questions will properly guide you to the right IAQ solution.

Active Filtration

Employs an electrical field at the filter to convert a low capture efficiency filter into a high capture efficiency one while providing benefits beyond that of a HEPA filter, without the negative side effects of decreased airflow and inflated energy costs

Bipolar Ionization

Generates energized ions that utilize a building's HVAC system's airflow to travel where the solution is needed most to effectively combat contaminants—in the occupied space

Ultraviolet

A widely accepted and long standing method of sanitization is applied to the mechanical system's coil to mitigate particulate matter within the duct as it passes through the return, providing clean air at the supply

VRF

If combating the next pandemic is your main concern, consider eliminating shared air all together by installing a VRF (Variable Refrigerant Flow) HVAC System. VRF Systems keep the air flow moving in shared spaces but don't recycle the air building wide.

22 McCormick Road
McKees Rocks, PA 15136
phone 412.787.1313
fax 412.787.1333

8555 Sweet Valley Drive, Suite N
Valley View, OH 44125
phone 877.373.6254
fax 412.787.1333



www.donwil.com