



### Our IAQ Solutions

- Preventive HVAC maintenance and repair
- Air filter replacement and upgrades
- Duct cleaning
- Code compliance and updates
- UV-C technology
  - Surface decontamination
  - Airborne inactivation
- Air purifying ionization technology

### Our Advantages

- Qualified, licensed technicians
- Commercial-grade products and equipment
- Flexible scheduling
- Single-source for IAQ solutions and mechanical maintenance
- Nationwide support and vendor network



## For Healthier, More Productive, & More Efficient Buildings

A building's indoor air quality (IAQ) significantly impacts the productivity, health, and comfort of its occupants. Usually, steps made to improve environmental quality also helps to boost a building's return on investment by promoting energy efficiency and increasing the longevity of critical assets like HVAC systems.

At EMCOR Services Shambaugh, our IAQ experts and professional technicians offer a full-suite of services aimed at improving the health and productivity of your facility, ranging from routine maintenance and duct cleaning to the latest in ultra-violet (UV-C) technology and patented ionization products.

### Promoting the Health of Building Systems and Occupants

It is crucial that commercial building owners and operators keep their circulated air as clean and hygienic as possible. Indoor air often contains mildew, mold, bacteria, viruses, and other microbial agents that negatively impact the health and comfort of building occupants.

Indoor air pollutants can cause serious health problems for employees who have respiratory conditions, autoimmune disorders, or environmental allergies, and research demonstrates that improving IAQ can significantly improve employee productivity and tenant satisfaction.



### Improving Efficiency and Lowering Costs

Poor IAQ doesn't only affect occupants however. Airborne pathogens can also build up in HVAC systems and are frequently responsible for mechanical issues, including significant decreases in cooling capacity and reductions in efficiency.

Our IAQ services offer a range of potential energy efficiency and HVAC system benefits, including extended equipment operating lifespans, boosts to capture efficiency and reductions to air intake, and significant increases in cooling capacity. In fact, we have seen clients record energy cost reduction upwards of 30 percent!



### Duct Cleaning from HVAC Experts

Regular preventive HVAC maintenance, featuring filter replacements and upgrades, is one of the most fundamental ways to improve IAQ. At EMCOR Services Shambaugh, we offer clients a full range of preventive and routine maintenance programs, backed by 24/7 emergency dispatch and response.

As a part of a maintenance contract, we can also incorporate routine, professional air duct cleaning services that can help dramatically reduce the amount of dirt, dust, and allergens circulating in a building, resulting in a safer, healthier environment for employees and other occupants.

### UV-C Lamps to Kill Indoor Pathogens

We can provide and install advanced UV-C technology that offers continuous protection from airborne pathogens that accumulate on HVAC equipment. Typically, UV-C lamps only need to be replaced once a year, making them one of the most affordable ways to improve IAQ and HVAC function.

Our two primary service options include:

- **Surface Decontamination:** To help ensure equipment receives continuous exposure, lamps are placed downstream of cooling coil and drain pan on mounting brackets installed in the coil segment.
- **Airborne Inactivation:** Designed to fight pathogens in the airstream, lamps are placed end-to-end in ductwork, increasing the total time that air particles are exposed to light.

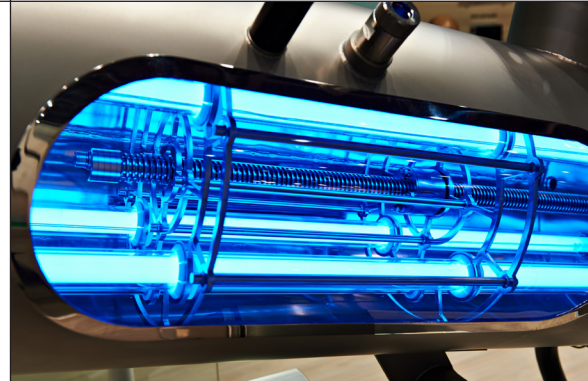
### Purify Air with Ionization Technology

Utilizing needlepoint bi-polar ionization (NPBI) technology, we offer an IAQ product that can purify air inside industrial, commercial, and residential buildings. The patented technology uses an electronic charge to create ions that can kill pathogens, breakdown harmful compounds, and accumulate micro-particles into larger filterable particles.

After passing through the HVAC system, the ions enter a building's air stream, cleaning air throughout the entirety of a facility. All our NPBI products are UL and CE approved, producing neither ozone nor other harmful by-products.

### Why Improve IAQ?

- Provide a cleaner, healthier environment for occupants
- Remove buildups of dust, dirt, mold, spores, microbes, viruses, and other particulates
- Disinfect and clean system surfaces
- Help HVAC systems work more efficiently
- Lower energy costs
- Reduce system maintenance requirements
- Increase building ROI and life-span of critical assets
- Eliminate airborne pathogens and odors
- Keep cooling coils clean
- Increase employee productivity and tenant satisfaction



### What can we do for you?

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