



Air Purification Systems

ASHRAE Standard 62 defines acceptable indoor air quality as "air in which there are no known contaminants at harmful concentrations as determined by cognizant authorities and with which a substantial majority (80% or more) of the people exposed do not express dissatisfaction." Obviously, human's sensitivity to the quality of the air they breathe varies with the individual. However, increasing in today's environment, more and more airborne contaminants such as microorganisms, dusts, fumes, and chemicals are finding their way into our surroundings. These contaminants come from industries, municipalities, construction and in some cases poorly maintained HVAC systems.

Bioclimatic® Bi-Polar Ionization units are specially designed electronic devices that create free radicals or ions that can effectively break down a wide variety of chemical compounds into a less complex and safe form. Designed and operated correctly, this process has proven to be efficient in controlling many types of gaseous phase contaminants including odors and biological organisms with no harmful by-products.

Side Access Housing (SAH) Systems are multi-functional, heavy-duty, high-efficiency, gas and particulate phase purification units designed for industrial, institutional or commercial applications. Modular design and the use of various air purification technologies allow for adaptation to a wide variety of environments, from the most severe airborne contamination to the removal of minute contaminant concentrations.

Pressurization (PRU) units are specially engineered systems combining gas phase filtration media and high-efficiency particulate filters efficiently controlling indoor air quality and potentially harmful contaminants for protection of personnel and equipment. These units are industrial grade, heavy-duty construction designed to remove a wide variety of contaminants generated in commercial and industrial environments while maintaining positive pressure in the protected space.

Recirculation (RCU) Units are specially engineered combining gas phase filtration media and high-efficiency particulate filters to provide a system capable of efficiently controlling indoor air quality and potentially harmful contaminants for the personnel and equipment protection. Recirculation (RCU) Units can be manufactured in either a vertical or horizontal arrangement with one or two stages of gas phase filtration.

The MC-880 Air Purification System combines bi-polar ionization technologies, UV "C" sterilization, high-efficiency and gas filter media to offer a system capable of efficiently controlling indoor air quality problems. This unit is one of the most versatile, self-contained units available for the purification of indoor air.



< Bi-Polar Ionization

- Controls Bacteria & Mold
- Controls Odors & Gas Phase Contaminants
- Minimal Operating Cost
- Reduces Energy Usage & Maintenance Costs



< Model SAH Side Access Housing

- Customized to Meet Specific Requirements for Maximum Efficiency
- Capacities up to 60,000 CFM
- Single or Double Wall Construction
- Heating & Cooling Options
- Interior & Exterior Arrangements
- Available With Bi-Polar Ionization, Gas Phase Media, UV & Hi-Efficiency Particulate



< Model PRU Pressurization Units

- Capacities up to 60,000 CFM
- Single or Double Wall Construction
- Heating & Cooling Options
- Interior & Exterior Arrangements
- Available With Bi-Polar Ionization, Gas Phase Media, UV & Hi-Efficiency Particulate
- Gas Filtration up to 99+% Efficiency
- Particulate Removal to 99.97+% DOP Efficiency



< Model RCU Recirculation Units

- Capacities up to 60,000 CFM
- Single or Double Wall Construction
- Heating & Cooling Options
- Vertical (Up Flow / Down Flow) or Horizontal Arrangement
- Available With Bi-Polar Ionization, Gas Phase Media, UV & Hi-Efficiency Particulate
- Gas Filtration up to 99+% Efficiency
- Particulate Removal to 99.97+% DOP Efficiency



< Model MC-880 Modular Ceiling Units

- Capacities up to 750 CFM
- Low Profile: 12" Deep
- Recessed Ceiling Mounted
- Available With Bi-Polar Ionization, Gas Phase Media, UV & Hi-Efficiency Particulate
- Operates on 115v / 208v / 220v



Commercial and Industrial Air Movement, Cleaning and Control

Mechanical ▲ Industrial ▲ Sheet Metal ▲ Specialty