

Clean Air Plants and Clean Water Plants can be a fundamental part of any commercial application or industrial process. These systems can be placed anywhere near the target. The CAP and CWP are used to treat all manufacturing process emissions and industrial solvents, improve indoor air quality in office and plant environments and eliminate nuisance odor complaints.

The CAP and CWP are economical, versatile and more effective than activated carbon, incineration and all other conventional treatment processes.

There are sixteen different Clean Air Plant and Clean Water Plant models for every application, even a model that is suitable for homes.

Call us at 877.661.5192 or 973.661.5192
Visit www.cleanairplant.com
to determine the right system for your needs.

- Substantial cost savings
- First bio-oxidizer designed for indoor applications
- Miniaturized plants save energy and space
- Superior to all conventional treatment processes
- Single technology, single solution
- Very low maintenance
- Ultimately scalable

INDUSTRIAL APPLICATIONS

- Air stripper exhaust
- Bakery oven gases
- Candle making facilities
- Chemical manufacturing
- Clean rooms
- Farming & ranching
- Flavor/fragrance manufacturing
- Food production
- Landfill leachate
- Manufacturing facilities
- Metal plating
- Municipal waste gases
- Odor control
- Office buildings
- Oil/gas plants
- Paint booth emissions
- Pesticide manufacturing
- Pharmaceuticals production
- Remediation projects
- Solvents
- Spills
- Stack gas emissions
- Superfund sites
- SVE treatment
- Tank vent emissions
- Underground storage tank leaks
- Waste treatment plants
- Wood treatment process

COMMERCIAL APPLICATIONS

- Auto body shops
- Auto mechanics
- Beauty salons & spas
- Car dealerships
- Dental clinics
- Doctors' offices
- Dry cleaners
- Funeral homes
- Hospitals
- Laboratories
- Laundries
- Loading docks
- Nail salons
- Nursing homes
- Paint shops
- Parking garages
- Pet shops
- Photography labs
- Printers
- Reprographic centers
- Restaurants
- Schools
- Stock rooms
- Warehouses

Turn off
your present
air and water
treatment
systems,
and save
thousands

air & water treatment



advanced



versatile

Bio-hygenics -
(bi' o-hi jen' ikx):
Portable treatment
plants that use
bio-oxidation to
clean air or water
in real time.

Used to control
odors, destroy gases
and VOCs, and
remove particles.

economical



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CLEAN AIR PLANT

The **CAP™ Clean Air Plant** is the first bio-hygienic system for air. Compact and portable, CAP systems employ an advanced bio-filtration technology that uses biological oxidation to clean air in real time. These systems can be placed indoors or outside, anywhere that an economical, effective solution is needed.

Using natural biological enzymes, the CAP destroys volatile organic compounds (VOCs), eliminates odors and fumes, and removes solids and particulates from the air. CAPs offer a single solution, eliminating the need for multiple technologies.

CAPs are available in a range of sizes. They are small enough to be placed near target equipment and large enough to be used in any industrial application.



A Clean Air Plant or Clean Water Plant system will save thousands in treatment and disposal costs everyday.

- Eliminate odors
- Destroy VOCs and all organic compounds
- Dramatically reduce air exchange
- Improve indoor air quality
- Eliminate multiple treatment methods
- Treat fugitive emissions
- Meet environmental regulations
- Promote good management practices
- Superior to all conventional treatment processes
- Remove turbidity and suspended solids
- Remove heavy metals
- Save on energy usage

HOW IT WORKS

Before the advancements that became bio-hygenics, the bio-oxidation process had space and time constraints. Early systems used free-cell technology, which was slow, prohibited indoor application and caused residual disposal concerns. Recent developments in immobilized cell technology have advanced the bio-oxidation process and created bio-hygenics.

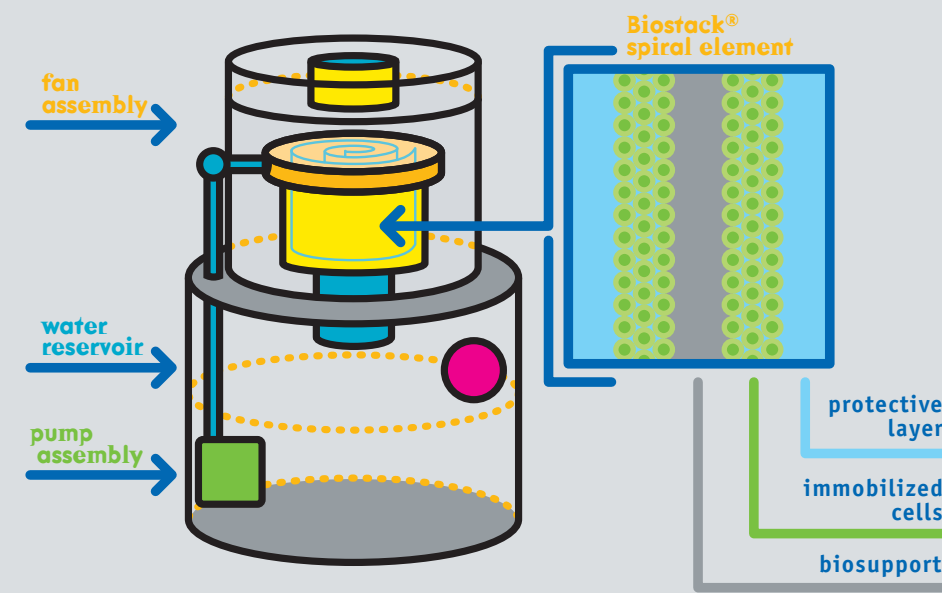
Bio-hygenics offers the benefits of immobilized cell technology in a compact treatment plant that is fast, effective and economical.

Introducing the CAP™ Clean Air Plant and the CWP™ Clean Water Plant; the first bio-hygienic systems that work in real time, indoors or outdoors. These portable, stand-alone systems have in essence, miniaturized the process of biological oxidation.

Inside every system is a permanent BioStack® cartridge element. The BioStack element features a spiral configuration that maximizes surface area, eliminates gaps and never needs replacement. By effectively coating the entire element with a natural

bio-organic/bio-enzymic film, this active surface provides superior "filtering" by destroying all types of organic compounds.

Clean Air Plants (CAPs) and Clean Water Plants (CWPs) neutralize contaminants, creating a "clean zone." Contamination entering the zone is drawn into the Clean Air/Water Plant, biologically oxidized by the enzymes and eliminated. Heavy metals and solids are consolidated, rendered harmless, and can be removed for later use or disposal.



The first bio-hygienic treatment systems that work in real time, indoors or outdoors

CLEAN WATER PLANT



The **CWP™ Clean Water Plant** is a bio-hygienic system for contaminated water streams, including industrial process water, wastewater, and contaminated groundwater. Using the same technology as the Clean Air Plant, CWP units employ an advanced bio-filtration technology that cleans water in real time, making it faster, safer and less expensive than conventional technologies.

CWPs are stand-alone units that can be incorporated into an existing plant or process. Facility operators can reduce water consumption by treating or even reusing their process water. Treatment, transportation and disposal costs are reduced considerably when industrial wastewater is treated with a CWP system. In ground water applications CWPs are effective in cleaning up leaking underground storage tanks and fuel spills.