

Bioscrubber Tower for Odors and VOC Control

BIOFILTER MODEL	AIR FLOW RATING PER MODULE	FOOTPRINT REQUIREMENTS PER MODULE
BIOCEL H-60	UP TO 240 CFM	5'-6" x 6'
BIOCEL H-120	UP TO 480 CFM	8'-6" x 8"
P-600	UP TO 2400 CFM	8' x 20'
BIOSCRUBBER TOWER	OVER 1000 CFM	12' x 12'
BUILT-IN-PLACE	OVER 5000 CFM	AS REQUIRED

ADDITIONAL OPTIONS AVAILABLE :
TEMPERATURE PRECONDITIONING - SCADA COMMUNICATION
PLC CONTROLS - BLOWER SOUND ENCLOSURE

Envirogen Technologies, Inc.'s (Envirogen's) bioscrubber tower is a vertically oriented biofilter filled with an inorganic media. The filter's unique design treats odors in areas where space is at a premium or where VOCs are present.

Contaminated air enters the bioscrubber tower and flows either upward or downward (depending upon the design) through the media along with a recirculating water flow. The recirculation water maintained in the bioscrubber tower allows for optimal control of pH, nutrient levels and biofilm thickness. In some applications, an intermittent, single-pass irrigation system can be supplied, eliminating the need for a recirculation pump.

ENVIROGEN TECHNOLOGIES ADVANTAGE

- Operating costs are a fraction of other energy-hungry technologies.
- Dangerous chemicals are not required for the operation of the biotrickling filter, eliminating exposure to employees and the public.
- Self-regulating system is extremely easy to operate and does not require time-consuming instrument calibration.
- Designed to be vertically oriented and can be expanded by adding vertical segments.
- The units can be placed in series using different media or carbon adsorption to treat complicated applications.
- Long media life. Our engineered media is designed to give maximum performance and up to 10 years of active life.
- Experience and expertise. Nearly 100 biofilters have been installed at well over 50 installations. Our nationwide network of dedicated staff will ensure the best biofilter product to fit your odor control needs.
- Modular construction. Designed for ease of installation using preassembled modular units or standardized system components for our Built-in-Place units.
- All-weather cover system. Fiberglass reinforced plastic (FRP) cover system to extend media performance and life.



Envirogen's bioscrubber tower efficiently removes more than 99.9% of the inlet hydrogen sulfide, 95% of odors and more than 72% of organic sulfur compounds.