

Perry Fiberglass Products, Inc.

Experts in designing and manufacturing odor control and air pollution control equipment

5415 Village Drive Rockledge, Florida 32955 / Phone: 321-609-9036 / www.PerryFiberglass.com

Integrated Biotrickling/ Biofilter Systems

Multi-zone Treatment for Odor & VOC Control



For mid-range air flow odor and VOC control applications, Perry's Integrated Biotrickling/Biofilter Systems are some of the most technically advanced solutions available today. The result of 20 years of research, design and operating experience, Integrated Biotrickling/Biofilter Systems combine the high performance of a biotrickling filter in removing hydrogen sulfide (H₂S), with the VOC and reduced sulfur compound efficiencies of a biofilter. Both of these technologies are housed in a single, pre-fabricated fiberglass system that offers ease of installation and a small system footprint.

One of the design advantages of the Integrated Biotrickling/Biofilter System is that it can be configured to offer multiple zones of treatment for efficient and cost-effective management of complex air streams. Integrated Biotrickling/Biofilter Systems can feature up to three different 'ecozones' employing different media, pH humidity and flow design. This allows the growth of micro-organisms that can target specific contaminants in the air stream more effectively and efficiently than a single media system can allow. It also allows for optimization of media life—leading to lower long-term operating costs for both energy and media. Integrated Biotrickling/Biofilter Systems consistently remove H₂S to 99+% levels and can remove other compounds in the over 95+% range.

For the control of odors and VOCs, Perry Integrated Biotrickling/Biofilter Systems are a very robust sustainable solution, offering:

- Reduced chemical usage/storage
- Contaminant destruction
- Reduced energy usage
- Reduced carbon footprint
- Lower overall emissions
- Adaptation to changing odor sources and levels

Advanced System Design & Construction

Perry Integrated Biotrickling/Biofilter Systems feature the latest concepts in odor and VOC control system design – based on our experience of installing over 125 biofilter systems in over 90 locations.

Features include:

- External irrigation piping for easy maintenance and inspection of nozzles
- FRP construction (no corrosion)
- Zonal irrigation control
- Ease of installation (modular)
- "Drop and Load" (i.e., drop unit on pad, then load media)
- Overall "box" profile is sleek and clean (as option, exterior shell can be color-matched to WWTP/site architecture)

Integrated Biotrickling/Biofilter Systems Configurations

Model	BTF-550	BTF-860	BTF-1110	BTF-1400	BTF-1800	BTF-2000
CFM	800-1,100	1,200-1,700	1,800-2200	1,534-2,812	1,960-3,593	2,215-4,061

Model	BTF-2400	BTF-2650	BTF-3000	BTF-3600	BTF-4500
CFM	2,641-4,842	2,641-4,842	4,090-7,498	4,899-8,982	4,899-8,982

About Perry Fiberglass Products, Inc.

Perry Fiberglass Products, Inc. was established in 1984 by Thomas Pulliam. Thomas Pulliam sold the company to his son Chad Pulliam in 2005. Perry Fiberglass is headquartered in Rockledge, Florida and manufactures all of its FRP products in Elyria, Ohio. We develop, design and manufacture equipment for the treatment of odorous compounds in air-streams.

We remain set apart from other odor control companies by providing a complete turn-key system. Perry Fiberglass is in the business of supporting owners and engineers by providing technologically developed and improved odor control and air pollution control equipment.

Our mission is to provide quality engineered products at a competitive price and in compliance with recognized codes and standards.

The Perry Portfolio

- Biofilters (Built in Place and Modular)
- Biotrickling Filters (Round and Rectangular)
- Multi-Stage Systems (Round and Rectangular)
- Biogas
- Air Strippers
- Carbon Adsorbers
- Chemical Scrubbers
- FRP Ductwork
- FRP Dampers
- FRP Fans



Perry's Engineered Media's

- BIO-CUBE (Synthetic Structural Randomly Packed)
 - BIO-CLEAN (Inorganic, Scoria Lava)
 - BIO-FILL (Aged Bark, Engineered)
 - BIO-SORB (Porous and Engineered)
- Up to 10 year warranty



Corporate Headquarters:

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Visit our website www.perryfiberglass.com for more information about the Perry multi-stage biotrickling filter/biofilter.

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