

# Perry Fiberglass Products, Inc. Biotrickling Filters

Highly efficient treatment with a small physical footprint



Perry Fiberglass Biotrickling filters are vertical or horizontal —oriented vapor-phase bioreactors filled with an inorganic media featuring 100% recirculation. The filters' unique design can address high concentration of H<sub>2</sub>S odors in areas where space is at a premium— offering a shorter retention time and treatment of higher air volumes than conventional biofilters. They can also treat high concentrations of VOCs and ammonia, and be chemically augmented when needed.

Line	Models	Media (ft <sup>3</sup> )	CFM	EBRT/seconds (default)
Biotower (BT)	30	120-3500	480-500,000	6-30 (15)

The Perry biotrickling filter towers are available in a dual media chamber version (tall), and a single media chamber version (low profile). They are delivered with lightweight, engineered media with internal irrigation assemblies preinstalled to improve the speed and lower the cost of installation.

## Perry Fiberglass Filter Systems are a very robust, sustainable solution, offering:

- Small physical footprint
- Efficient contaminant destruction
- Eliminate chemical usage/ storage of chemical scrubbers
- Reduced energy use
- Lower carbon footprint than traditional technologies
- Lower overall emissions
- Adaptation to changing odor sources and levels

## Exact Process Control

Perry Fiberglass Biotrickling Filter Systems feature the latest concepts in odor and VOC control system design. Unlike other biofilter tower systems, the recirculation water maintained in the tower allows for optimal control of pH, nutrient levels and biofilm thickness. These highly automated systems use minimal energy; require minimal staff attention and little or no chemicals, cutting operating costs and eliminating the need for chemical storage and handling.

## Features include:

- FRP vessel without metal support structure (no corrosion)
- Single or dual-zone media tailored to air influent
- Ease of installation
- “drop and start up” (i.e., drop unit on pad, pre-loaded media)
- High degree of automation & process control in FRP or stainless steel panel construction



# 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](http://www.PerryFiberglass.com)

## 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. Our emphasis on quality and excellent customer service by trained personnel is paramount to our success.

## 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:

5415 Village Dr. Rockledge, Florida 32955 / Tel: 321-609-9036 / [www.perryfiberglass.com](http://www.perryfiberglass.com)

Visit our website [www.perryfiberglass.com](http://www.perryfiberglass.com) for more information about the Perry Fiberglass Biotrickling Filters.

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