

# BioCoir<sup>®</sup>

Coconut Fiber Biofilter

Virginia TL-3 with  
Nitrogen Reduction



BioCoir is a modular system for residential and commercial applications. BioCoir is prepackaged in a pod housing featuring natural media. BioCoir protects sensitive watersheds through removal of nitrogen and other constituents.



# BioCoir

BioCoir utilizes coconut fiber (coir) media housed in an engineered pod. Coir are the fibers that constitute the thick mesocarp, or husk, of the coconut fruit. Coconut fiber is low-cost and a renewable resource. The short-to-medium length fibers are a ligno cellulosic material and by-product of coconut harvesting in many developing nations. The high lignin content of these fibers results in a durable material. Pretreated effluent is sprayed over the media using specially designed helical spray nozzles that provide uniform distribution over the entire surface area within the pod. Treated effluent is recirculated through the media multiple times, which optimizes treatment.



## Why Choose BioCoir?

- Produces high quality effluent
- Proven results for over 15 years
- Spray nozzles maximize effluent distribution over coir media surface
- Simple to use and suitable for wide range of applications
- Prepackaged, lightweight pod for easy installation
- 80%/20% split pods simplify design and installation
- No gravity recirculation valve needed
- Natural media:
  - Allows free air flow and water movement
  - Provides large, open surface area
  - Renewable and sustainable
  - Low cost and easy to ship

## Applications

Residential

Commercial or community

Intermittent or seasonal use

Space constrained sites

All climate conditions

Nitrogen sensitive areas

