INTRODUCING

LO-KEY™ BIOTRICKLING + CARBON

A space saving, multi stage odor control system. Patent Pending.

The LO-KEY™ Odor Control System combines two separate control vessels into one for a low profile, packaged solution. LO-KEY™ removes high levels of hydrogen sulfide (H₂S) gas and other odors from municipal and industrial processes. The LO-KEY™ system will effectively and efficiently remove >99% of H₂S without the use of dangerous chemicals.

HOW IT WORKS

1st STAGE:

Biotrickling Filters use a synthetic media to support the growth of natural occurring micro-organisms and convert H₂S into a dilute acid solution part of which is discharged via a continuous water make-up or overflow. The Biotrickling Filter uses continuous recirculation of a nutrient rich solution to promote the biological growth. KCH offers a non-proprietary nutrient supplement to feed the micro-organisms, along with fresh water to maintain the optimum pH.

2nd STAGE:

Dry activated media adsorbs remaining odors and select VOC’s from the airstream through physical adsorption. Typically, a three-foot-deep media bed is utilized.
FEATURES & BENEFITS

- Standard sizes from 500 to 5,000 CFM Airflow
- Smaller Footprint than traditional separate vessels
- Lower Capital Cost than traditional systems
- > 99% Hydrogen Sulfide Removal Efficiency and suitable for up to 500 ppm peak loadings
- Low Water Usage
- Non-Proprietary Nutrient System with no hazardous chemicals required
- First Stage Inorganic Media Guaranteed for 10 years.
- Low Maintenance Costs
- Constructed from durable POLYSTRONG® or POLYLAST® corrosion resistant materials.

APPLICATIONS

- Lift Station Odor Control
- Treatment Plant Odor Control
- Industrial Odor Control
- Areas with Limited Space
- Hydrogen Sulfide / Select VOCs

INTEGRATES EASILY WITH KCH’S ADD ON SYSTEMS

- ROMETM - Remote Odor Monitoring Equipment
- ODOCTS™ - On Demand Odor Control System - for Energy Savings & Media Life Extension
- NH and CI Series - Exhaust Fans and Blowers - ACMA RATED