

# SulfaCHAR™

CATALYTIC DESULFURIZATION

A GAS CLEANING SOLUTION FOR ALL RENEWABLE NATURAL GAS APPLICATIONS



Distributed by CharTech Solutions, **SulfaCHAR™** is a cost-effective, convenient system with two options: a High-Capacity and a Zero-Waste. Both options are targeted gas cleaning solutions for hydrogen sulfide in renewable natural gas. The **SulfaCHAR™** system efficiently filters H<sub>2</sub>S out, greatly reducing maintenance costs.

## COST-EFFECTIVE

- The most cost-effective H<sub>2</sub>S removal product based on dollars per kilogram of H<sub>2</sub>S removed
- A simple system requiring little capital infrastructure and low operator attendance at any scale

## CONVENIENT

- Higher capacity than similar systems, **SulfaCHAR™** lasts longer and requires fewer change-outs
- Non-toxic and does not solidify into large pieces, making it easier to change out

## SULFACHAR™ HIGH-CAPACITY

- Extremely high capacity of 65-85%
- Industry leading value of cost per unit for sulfur removed

## SULFACHAR™ ZERO-WASTE

- Made from organic material, such as anaerobic digestate
- Converting hydrogen sulfide to elemental sulfur and sulfates, the spent material is a sulfur-rich biochar, which is a valuable by-product

## ◀ Passive FRP SulfaCHAR™ Vessel

## TARGETED GAS CLEANING SOLUTIONS

Simple and easy to operate, these passive systems direct untreated gas through a vessel containing **SulfaCHAR™** media that adsorbs H<sub>2</sub>S onto its surface as clean gas exits the system, ready for use.

### BIOGAS

- An ideal solution for on-farm anaerobic digesters of any scale
- Low capital cost of installation
- Low operational burdens with reduced downtime and maintenance
- No need to store or handle toxic chemicals

### LANDFILL GAS

- Reduced siloxanes in LFG avoid the formation of abrasive microcrystalline silica in engines
- The **SulfaCHAR™** system is easy to implement and has a small environmental footprint
- It is non-toxic with simple change-out and end-of-life processes

### CharTech Solutions Inc.

12 Banigan Drive, Toronto, Ontario, Canada M4H 1E9  
416.467.5555 • 1.800.323.4937 • info@CharTechSolutions.com

[CharTechSolutions.com](http://CharTechSolutions.com)