



Phone: 503-374-9709

Fax: 503-946-3226

Email: [info@methanesys.com](mailto:info@methanesys.com)

## CIS Media



**CIS Media** is Clean Methane Systems' sulfur removal media for use in SulfrPack CIS gas conditioning systems.

### Applications

CIS media is used in CMS's SulfrPack CIS biogas treatment system to remove hydrogen sulfide ( $H_2S$ ) and other sulfur compounds from biogas waste streams.

### How Does CIS Media Work?

CIS media is comprised of wood chips and shavings impregnated with iron oxide. When biogas flows through the media, the  $H_2S$  in the gas reacts with the iron oxide in the media to form iron sulfide and water.

The length of useful life for CIS media depends upon gas flow and the amount of sulfur contaminants present in the biogas. Regular testing of the gas flowing into and out of the SulfrPack CIS vessels will enable CMS to monitor the  $H_2S$  and sulfur levels in the gas and determine when the CIS media is spent and needs to be replaced.

### Advantages of CIS Media

- CIS Media is an effective, low-cost option for removing low to medium levels of  $H_2S$  from biogas.
- CIS Media utilizes a time-tested technology for sulfur removal that has been used for over 100 years.

### Typical Properties

- **Appearance:** Dark brown solid: irregular pieces/particles.
- **Composition:** Iron oxide(29-30%), wood (25-30%), water (40-45%).
- **Density:** 50 lbs. per cubic foot
- **Packaging:** 100 lb. bags or 2100 lb. super sacks

### How Can I Order CIS media?

#### *Request a Quote*

CMS will provide a quote for CIS media upon request. Are you wondering if CIS media is the right choice for your application? Contract CMS for **gas testing** services to determine the type and amount of contaminants present in your unique biogas waste stream. CMS can then use gas testing data to produce an **engineered proposal** with biogas treatment recommendations.

### Handling

CIS media may be stored outdoors, protected from direct sunlight, for up to two weeks. In very dry weather conditions, the media may need to be rehydrated before use, to restore the desired moisture range to approximately 40%.

CIS media is a nonhazardous material and may be disposed of in a landfill or used as a soil amendment.

Source: [connellygpm.com](http://connellygpm.com)