PRODUCT DATASHEET

Biogas H_2S Removal Skid

Removes H_2S from biogas





DETAIL – LEAD/LAG ADSORBER VESSELS

OVERVIEW

The Tech Inc. Biogas H_2S Removal Skid removes hydrogen sulphide from biogas before it reaches the upgrading unit, compressor or gas engine. H_2S corrodes equipment and poisons membranes and catalysts, so CBG and biogas plants remove it at the start of the gas train.

MODELS AND CONFIGURATIONS

- **Iron-oxide skid** – for high H_2S levels and low running cost.
- **Activated-carbon skid** – for polishing to low H_2S levels.
- **Two-stage skid** – bulk removal followed by a polishing stage.
- **With online analyser** – continuous H_2S monitoring at the outlet.

TYPICAL DESIGN DATA

Inlet H_2S	To client data
Outlet H_2S	To the limit required by the upgrading unit or engine
Vessels	Carbon steel with internal coating, or stainless steel
Arrangement	Lead/lag twin vessels
Instrumentation	Pressure, temperature and H_2S measurement

APPLICATIONS

Compressed biogas (CBG) plants, biogas-to-power plants, landfill gas and digester gas systems.

KEY ADVANTAGES

- **Protected equipment** – upgrading membranes, compressors and engines stay free of H_2S damage
- **No shutdown for recharges** – lead/lag vessels keep the plant running
- **Right media** – media chosen for the actual H_2S load
- **Fits our CBG trains** – designed to feed our biogas upgrading trains

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

Offices: Chennai · Toronto · Tallinn · Al Khobar

mail@techincresearch.com · +1 (289) 622-1032 · www.techincresearch.com

Disclaimer: All products, designs and content are the property of Tech Inc. Tech Inc. reserves the right to change specifications and details without notice. Images are for representation only; the supplied equipment may differ in appearance. Data are typical; final design to client specification.