

Process Gas H₂S Removal GENERON[®] Membrane Technology

Typical Applications

- Pipeline gas applications
- Biogas or digester gas
- Fuel gas conditioning

Hydrogen Sulfide, H₂S, a highly corrosive gas, commonly found in natural gas, can cause corrosion in gas engines or turbines (if used as fuel) and gas transmission lines. H₂S has to be removed before the gas can be used as fuel or sent to the gas pipeline.

H₂S, can be easily removed from methane or light hydrocarbon gas streams by Generon's membrane systems. As an added benefit, the system also removes any water vapor and CO₂

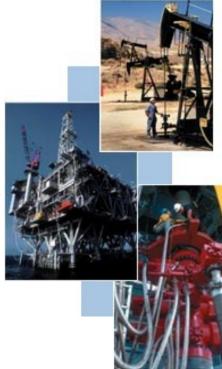
present. GENERON® membrane systems effectively remove the H_2S , no matter how high the H_2S levels are.

GENERON supplies customized H₂S removal systems. GENERON® fabricates its own GENERON® membrane modules and works directly with the client to provide the most cost effective

The GENERON[®] Advantage

- Extensive Experience Custom Designed Skids
- State-of-the-art Membrane -High Recoveries
- H₂O Removal No Additional
- **Remote Operation** Minimal Attention Required Fully

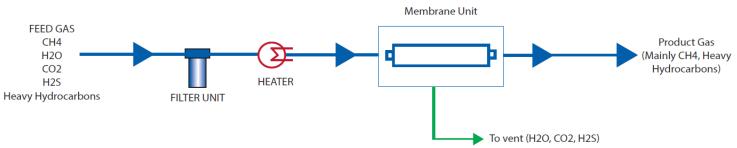
Automated Systems



H₂S Removal GENERON[®] Membrane Technology

In a typical GENERON[®] H₂S removal membrane system the feed gas is first filtered to remove any particles and liquid condensate. The gas then enters the GENERON[®] membrane modules. The H₂S as well as any CO₂ and H₂O also permeate preferably through the membrane. The non-permeated gas, mainly CH₄ and heavy hydrocarbons, remains at pressure and is the product gas.





Advantages of MEMBRANE Systems:

- No moving parts, and designed for remote unmanned operation
- Efficient packaging minimizes space and weight ideal for offshore applications
- Custom designed systems maximize total hydrocarbon recovery
- System flexibility Can operate at wide range of flow rates and H₂S Content
- Quick deployment & quick Installation skidded system can be installed in hours
- Advantages over scavengers- membranes have lower operating cost, lower installation cost and do not require any bed changes every few months

The System Performance:

- Feed gas pressures up to 2,000 psi (138 bar)
- Flow rates from 0.01 to 500 MMscfd

Treat wide range of H₂S in feed

GENERON

16250 Tomball Parkway Houston, Texas 77086 713-937-5200 Sales@Generon.com





Go Direct:GENERON Delivers