

GENERON® SKID MEMBRANE SYSTEMS

Process Skid



GENERON'S® industry leading technologies provide solutions that convert by-products, to high-value commodities that meet the evolving demands of industry and compliance mandates. Traditional processes are applied as well as **new separation processes**, including chemical absorption, desiccant adsorption and refrigeration systems.

GENERON® offers a variety of gas processing skidded products which are uniquely designed and manufactured to meet customer expectations. **GENERON** prides itself in providing complete solutions to its client. We provide detailed engineering and designs, custom manufacturing, as well as process guarantees on all our systems.

GENERON's certified and trained team provides after-sales and service support for maintenance and spare parts. Contact our **service department** for information regarding our maintenance and service programs.

GENERON designs, manufactures, commissions and tests all of our systems and products in one of our two ISO 9000, ASME, PED, GOST and UL/CSA certified facilities in Houston, TX or Pittsburg, CA. Our systems upgrade low or high energy gas streams produced on locations including: industrial and chemical plants, landfills, wastewater treatment plants, and industrial digesters. Our options offer add-on CO-Generation and CO₂ recovery and separation systems.

The GENERON® Advantage

- **Extensive Experience** - custom designed skids
- **State-of-the-art Membrane** - high recoveries
- **Simple Solution** - no moving parts, minimal maintenance
- **Remote Operation** - Minimal attention required, fully automated systems
- **Minimal Losses** - low HC losses
- **No Chemicals** - environmentally friendly
- **Small Footprint** - easily meet footprint

RELATED GENERON PRODUCTS:

- PSA systems
- Instrument air packages
- Air and gas compression packages
- Blowers
- On-site oilfield services—operating personnel and rental equipment
- Custom Integrated Skid Packages



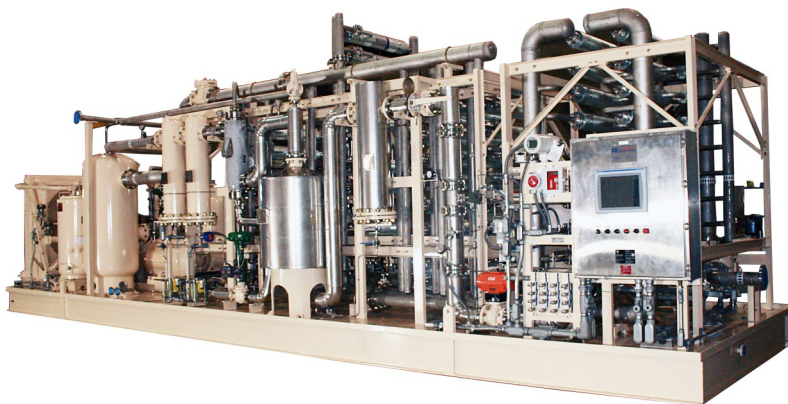
Nitrogen Membrane® Systems

Process Skid

In a typical **GENERON**® flue gas conditioning treatment membrane system the feed gas is first filtered to remove any particles and liquid condensate. The gas is then enters the **GENERON**® membrane modules.

The CO₂ as well as any H₂S, H₂O, heavy hydrocarbons permeate preferably through the membrane. The non-permeated gas, mainly CH₄, remains at pressure and is the product gas.

For more information on Process Systems, please contact our professional engineering team at 713.937.5200 or www.generon.com.



The System Performance:

- > 60 vol% CO₂ in feed
- < 2% CO₂ content in product
- > 98% recovery of hydrocarbon gas
- Delivery pressures from 130 to 180 psig (9.0 up to 12.4 bar g)
- Flow rates from 480scfh up to 170,000scfh

FEATURING:

- **No moving parts.** Designed for **remote** unmanned **operation**
- **Efficient packaging minimizes space & weight –Ideal for OFFSHORE applications**
- **System flexibility** - Can operate at wide range of flow rates and CO₂ Content
- **Quick deployment & Installation** - skidded systems installed in hours
- **C₃ + Recovered = Revenue**

GENERON

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