

Instrument Air Packages

Desiccant Air Dryer Technology

Hollow Fiber Membrane Technology



Generon IGS—What we do

GENERON is an industry-leading provider of comprehensive gas separation and compression solutions. We specialize in designing, manufacturing and servicing:

Nitrogen Membrane and PSA Generators

Membrane Dryers and Dehydration Systems

Process Gas Systems

CO2 & H2S/CH4, Hydrogen Purification, NG Dehydration, NGL/LPG and Helium, SF6, H2S, and others

Custom Fabrication of Process Equipment

Custom-Engineered Solutions

Instrument and Utility Air Packages

Air, Nitrogen and Gas Compression Systems

Gas Compression Packaging to include Primary and Post Compression

Rental Equipment through **Global Nitrogen Services**

Custom Vessels, Receivers and Filtration Packages through **Houston Vessel Manufacturing**

Air Compressions through **Houston Compression & Services**

Roots PD Blowers through **ACFM Inc**

GENERON



HOUSTON VESSEL MANUFACTURING, LLC



ROOTS BLOWERS • COMPRESSORS • VACUUM PUMPS

Compressor Packages

GENERON is an authorized custom packager of compression packages to meet the exact requirements of the Oil & Gas and Chemical Industries.

Generon® IGS is an air compressor packager for:

- Sullair
- Ingersoll Rand
- Comp Air / Gardner Denver
- Kaeser Compression
- And others

The following is an example of a compression package that was built for the Jack St Malo Platform in the Gulf of Mexico:

Type:	Feed Air Compressor
Technology:	Oil-Flooded Rotary Screw
Output Pressure:	150 PSIG
Outlet Flow	815 SCFM
Motor HP:	250 HP
Area Class:	Class I, Div II, T3



Instrument Air —Desiccant Air Dryers

Complimentary to our compression packages, GENERON utilizes its unique drying technology for dew point suppression. Standard offerings include pressure dew points of +40°F (4°C) and -40°F (-40°C) and optimal technologies are available to reduce the dew point to less than -100°F (-73°C). High quality components and manufacturing techniques are used to ensure a continuous supply of clean, dry air and reliable operation.

Standard equipment includes:

Solid state controller and sensors,

inlet and discharge filters,

control air filter,

tower pressure gauges,

safety valves,

*high performance switching valves and
check valves,*

ASME coded vessels,

moisture indicator.



Features & Benefits

Clean, dry air all day, every day

*Multi-stage design removes dirt, water and
oil particles down to .01 microns*

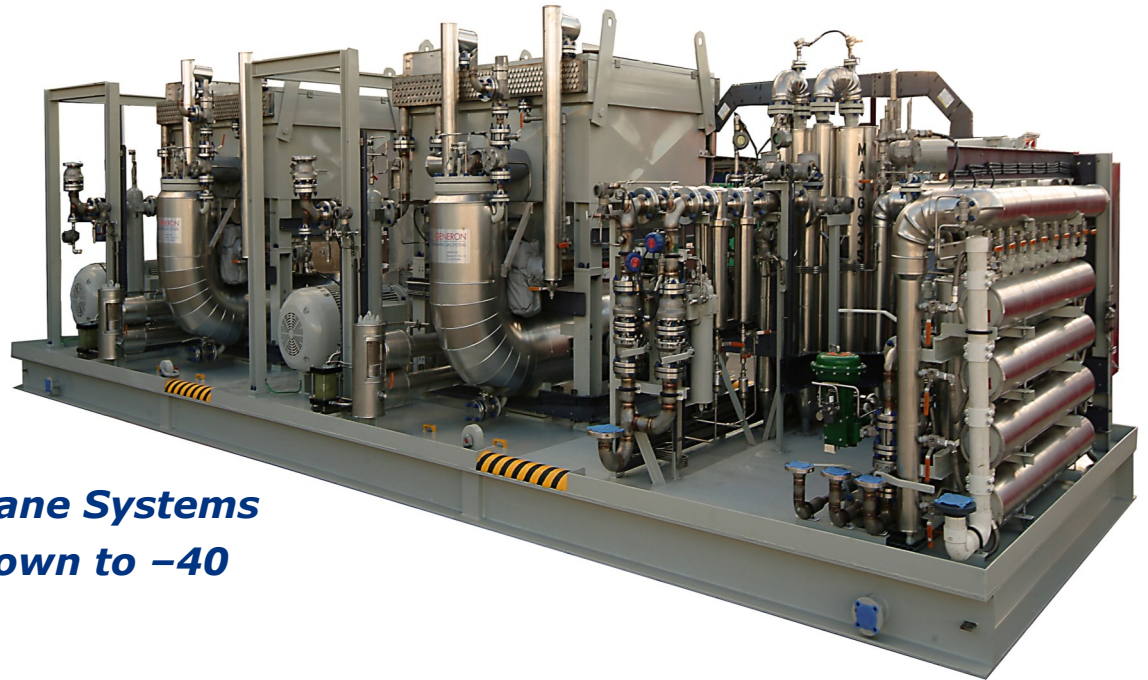
Desiccant can be regenerated for reuse

*System can be packaged to your exact
specifications*



Instrument Air—By Hollow Fiber Membrane Technology

As a world leader in membrane and adsorption technology, GENERON provides to its clients a full range of Instrument Air Packages. These packages can be unitized with Primary Air Compression to reduce the overall package size and installation cost and time. Using our patented Dehydration Membranes, Generon® IGS provides a highly compact and virtually maintenance free Instrument Air Packages. In addition, Generon IGS also offers a full range of standard Twin Tower Desiccant Dryer Instrument Air Packages.



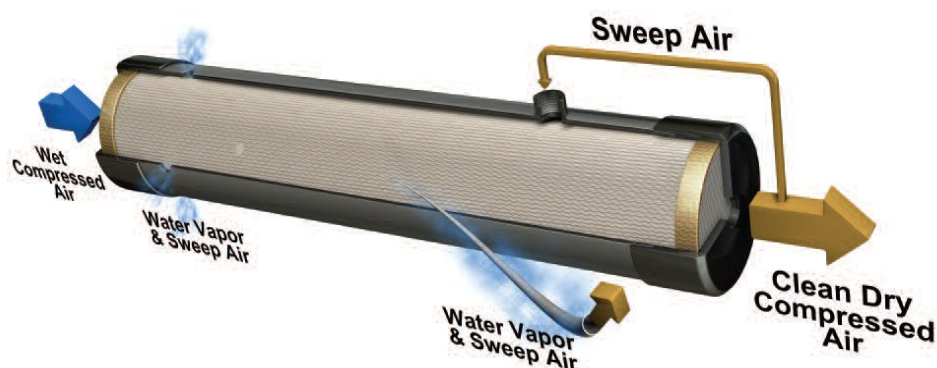
**Customized Membrane Systems
designed for +40 down to -40
degrees F.**

The IGS Skidded Membrane Instrument Air Packages are supplied as standard packages or individually designed to meet our client's requirements. Standard systems are designed for Non-Hazardous applications and can be integrated with our patented Generon Nitrogen Membrane systems for reduced installation requirements and maintainability. Multiple communication software's are available to meet client requirements.

Options Include

Hazardous Areas—Zone II, Class I Div II High / low ambient environments

*Electric and Piping—ANSI B31.3, CE / PED, Designed to customer specifications
CRN*



Total Platform Solutions

Custom Designed Packages to Exact Specifications

- Primary Air Compression Packages
- Process Skids—CH₄/CO₂ Separations, Gas Dehydration, Fuel Conditioning Skids
- Nitrogen Generators from 95 to 99.999% Purity
- Gas Booster Packages—Nitrogen, Natural Gas etc.
- High Pressure Bottle Filling Packages
- Instrument Air Packages
- All Hazardous Area Classifications



Primary Compression

Redundant Desiccant Air Dryer



Nitrogen Generator Membrane System



**Nitrogen Generator
PSA System**



Sales and Service: 713-937-5200
WWW.GENERON.COM

Sample Client List

Engineering Companies

KBR
Amec Paragon
EDG Consultants
DSME
SOME
Mustang Engineers
JR McDermott
Technip
HHI
Fluor
Alliance Engineering
Modec International
Petrofac
SHI
MMHE

Major Oil Companies

Chevron
British Petroleum
Pemex
PTTEP
KNOC
PDVSA
Shell
Saudi Aramco
Statoil
Qatar Gas
Total
Lukoil
Exxon Mobil
Petrobras
Conoco / Phillips
Pakistan Petroleum
Petronas
Rosneftbunker

Service / Drilling Contractors

BJ Services
TransOcean
Schlumberger
Fat Dog Foam
Seadrill
Weatherford
Santa Fe Drilling
Precision Air Drilling
Magna Flo
Tech Foam
Halliburton
Noble Drilling
National Oilwell
Global Nitrogen Services

And more...

Contact Information

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