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# **Fuel Gas Conditioning - Membrane Packages**

Integrated Flow Solutions Fuel Gas Conditioning Membrane Packages are designed to optimize natural gas fuel for natural gas engines and natural gas turbines. IFS Membrane Packages are utilized for Natural Gas Dewpoint Control, Natural Gas Processing (H2O/H2S/CO2 Removal), and Enhanced Oil Recovery.

#### **Industries**









#### Applications for IFS Membrane Systems

- Remote Compressor Stations with raw fuel derates and requiring BTU value adjustments
- · Generator sets with fuel quality de-rates
- · Sour Gas Production sites w/o access to clean gas
- N2 & CO2 removal at wellhead
- · Compression sites requiring Emissions reductions

### Features of IFS Membranes Systems

- Hydrocarbon specific separation technology
- Simple Passive, Compact packaged System
- 100 % USA Technology & Manufacture
- On Site Tech/Cmrcl Analysis including
  - Aspen Process Sim & PFD Generation
  - System PAYBACK ANALYSIS
- Process Guarantee
- · Factory Trained/Certified Technicians
- 24/7 USA Customer service (800-527-8724)

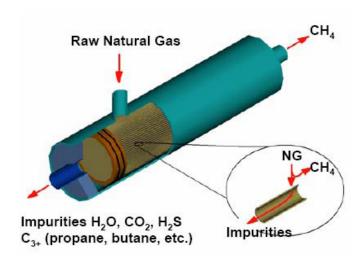
#### Industry Standards

- Membrane & vessels code stamped ASME Section VIII & National Board Registered
- Piping Designed to ANSI B31.1 / B31.3
- Pipe Fab to ASME Section IX
- ISO 9001 : 2008

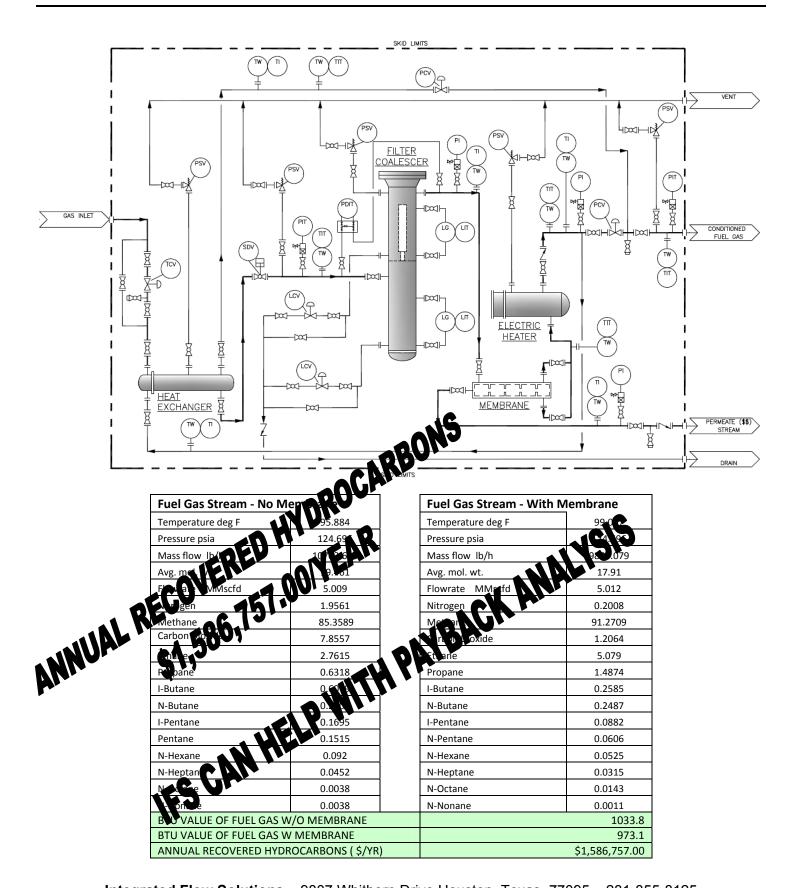


## Benefits of IFS Membrane Systems:

- · Optimize fuel gas heating (BTU) value
  - Reduce Emissions
  - · Increase Engine Life
  - Lower Engine Operating Temp.
  - Increase Available Engine HP
  - Maintain OEM Engine Warranty
- Recover saleable hydrocarbons > \$\$
- · Small footprint, easily transportable
- Low Maintenance no moving parts
- Low Capital & Operating CostsLow Power Consumption
- Principle of Membrane Separation:



# **Fuel Gas Conditioning - Membrane Package**



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