Enerflex has a dedicated engineering and design team, plus the resources and fabrication capabilities to provide complete cryogenic processing facilities for deep-cut liquids extraction. These systems are engineered to dry and recover Natural Gas Liquids (NGLs) for natural gas feedstock flow rates of 30 to 200 mmscf/d utilizing the Recycle-Split-Vapor (RSV) process, or the Gas Subcooled Process (GSP) depending on desired recovery rates. The facilities use turbo-expanders to achieve an ultra-low temperature allowing recovery rates of 95+% of the inlet stream’s ethane, 99.8+% of propane and 100% of the butane.

Enerflex’s core configuration for cryogenic plants includes inlet dehydration using molecular sieve equipment, cryogenic gas processing system, and turbo-expander/re-compressor skid. Additional options such as a hot oil system, pipeline pumps, amine treating, inlet and residue compression, and refrigeration equipment to meet specific application demands are available.
ENERFLEX  
CRYOGENIC GAS PLANTS

When combined with inlet treating, NGL fractionation, TEG dehydration, and residue compression, Enerflex offers a single point of contact to evaluate the integration and design of the entire system.

**CORE CONFIGURATION**
- Molecular sieve dehydration;
- Gas Subcooled Process for moderate ethane recovery;
- Recycle-Split-Vapor process for ultra high ethane and superb propane and heavier hydrocarbons recovery;
- Stainless steel de-methanizer;
- Brazed aluminum heat exchangers;
- Up to 99% ethane recovery*;
- Up to 100% propane recovery*;
- 100% butane recovery;
- Effective recoveries in recovery and rejection mode; and
- Designed for liquids rich shale gas.

**OPTIONAL FEATURES**
- Hot oil system;
- Pipeline pumps;
- Amine treating;
- Inlet and residue compression; and
- Refrigeration equipment.

Enerflex meets or exceeds industry standard specifications including ASME code for piping and vessels, AISC for structural steel, NEC for electrical, and ISA for instrumentation.

*Depending on technology
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**PRODUCT FEATURES**

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**PRODUCT BENEFITS**

- **Efficient** - Custom modular designs result in simplified installation, reduced on-site construction, and easily duplicated designs that speeds up the development of the gas plant. An available inventory of long lead components reduces project lead times.

- **Flexible** - By operating in either ethane rejection or recovery, GSP or RSV technology provides the operator with the ability to maximize plant profits based on economic factors. GSP or RSV offerings operate in either ethane recovery or ethane rejection. We have a wide range of technology solutions to customize a plant to your economic and operational model while maximizing your profits. Enerflex helps you customize recoveries to suit a desired range and offers a process guarantee to mitigate risk.

- **Choice** - We leverage our economies of scale and buying power to source preferred suppliers to provide a greater price advantage and the security of working with vendors you know and trust. This includes the option to integrate controls of choice including Distributed Control Systems (DCS).