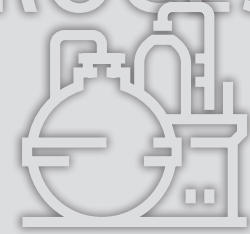


G2R-Flex™



BUILDING
A BETTER
PROCESS



Premium Propane Recovery with Next-Generation Technology

BCCK offers exclusive options for improving recoveries on existing GSP facilities.

Our patent-pending G2R-Flex™ technology is a non-complex retrofit to improve NGL recoveries in currently operating GSP cryogenic gas plants. Using a skidded design, G2R-Flex™ is added on to existing gas subcooled process (GSP) plants to reduce ethane and increase propane recovery. The technology improves current 200 MMSCFD GSP facilities propane recoveries to greater than 99 percent in ethane rejection and can also be applied to improve performance in ethane recovery.

Proven Process for Improving NGL Recoveries in Existing GSP Cryo Plants

- 99 percent propane recovery; 12 percent ethane recovery
- 50 percent reduction in facility propane refrigeration requirements
- G2R-Flex™ does not mix GSP stream with demeth tower overheads to accomplish heat and mass transfer
- Reflux refrigeration flows upwards with tower overhead flowing down.

G2R-Flex™ offers maximum profitability through enhanced plant performance and increased recoveries. The easy-to-use technology utilizes existing equipment with no additional compression or power required. The natural gas liquids extraction process provides a turnkey solution through full EPC services. Customers can maximize profits through valued propane recoveries.

www.bcck.com



CASE HISTORY

In 2022, BCCK trademarked, constructed, and commissioned the first patent pending G2R-Flex™ retrofit of an operating 200 MMSCFD GSP plant. The retrofit improved propane recovery to >99%, increased ethane rejection, and reduced propane compression power consumption in a facility operating in ethane rejection mode. This required minimal downtime for tie-ins to existing equipment. The retrofit design includes a small set of pumps and the residue compression increased from the improved ethane rejection, but no RSV type residue recycle was required.