

Abstract

Example embodiments include systems for use in a wellhead platform. The system may comprise a separator subsystem, a scrubber subsystem, a first stage compressor subsystem, and a second stage compressor subsystem. The separator subsystem may comprise a separator inlet section for receiving multi-phase raw mixtures, a separator container body for housing the received multi-phase raw mixture, and a separator gas outlet section for separating gas. The scrubber subsystem may comprise a scrubber inlet section connected to the separator gas outlet section, a scrubber container body, and a scrubber gas outlet section for separating gas. The first stage compressor subsystem may be operable to receive gas separated from the scrubber subsystem, compress the received gas, and output the compressed gas. The second stage compressor subsystem may be operable to receive compressed gas from the first stage compressor subsystem, further compress the received compressed gas, and output the further compressed gas.