Mechanical Recovery Unit

AEREON's Mechanical Vapor Recovery Unit (MeVRU) is a pre-engineered, customizable package that is ideal for nonattainment areas where air quality regulations require vapor recovery. It consists of a direct driven compressor, multiple grades of oil coolers, and a precision operating system, second to none all packaged together into one VRU that is able to operate continuously and with very little need personnel interaction.

The unit can be outfitted with a rotary screw; piston or rotary vane compressor powered with either an electric or EPA-certified natural gas engine. AEREON's standard MeVRU's come in sizes ranging from 15 – 500 MCFD.

Design Features

- Plug and play installation
- Top quality components
- Capable of handling high BTU gas
- Large range of turn down
- Fully welded containment skid with rock sump.
- Small foot print
- Insulated R-18 building
- Explosion Proof Heater
- Explosion Proof Lights
- Wide range of operation
- Extended service intervals
- Oversized knock out vessels

Mechanical Recovery Unit

Principal Applications

- Well pad tank battery
- Central processing facility “CTB”
- Gas blanketing recovery
- Petroleum refining plants
- Flash gas compression
- Heater treater recovery
- Bio-gas recovery / processing
- Coal bed methane and dry gas well for increased production

Standard Features

- Full B31.3 process piping
- Differential pressure monitoring of all filters
- Flanged connections with spiral wound gaskets
- CI DII & CI DI electrical classification skids
- Allen Bradley controls and drives
- Color HMI
- Smartphone / Tablet connectivity

Choose your VRU

- Coolers – aluminum, carbon steel or 316L SS
- With or without ASME U stamp
- Compressors – rotary screw, rotary vane, or reciprocating.
- Liquid removal – electric pump or blow case
- Gas blanketing – patent pending skid mounted gas blanketing system.
- Sweet or sour gas applications
- Standard or fully customized units
- Standard sizes from 15-500 MCFD @ 200 psig
- Rapid deployment on standard products