

Expander Skid

Model G1

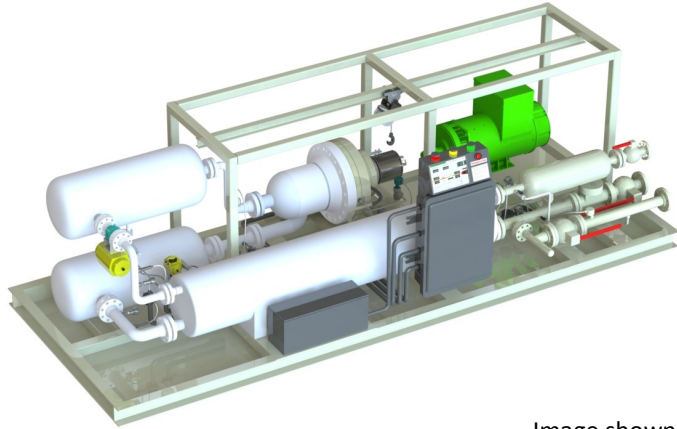


Image shown as CAD rendering

- High Pressure
- Self-Cleaning
- Planetary Rotor

Power Rating

30 kWe

1,200 - 4,500 rpm

24 Volts DC

FEATURES

OPERATION

- Gas pressure driven, non-combustive, and emission free
- Engineered for wellhead operation
- “Wet” gas acceptable at expander inlet
- Electric pipe heating for “freeze-up” prevention

PLANETARY ROTOR EXPANDER

- Model 4200 expander
- Rotary positive displacement
- Self-cleaning, helical 4-rotor design
- High pressure rating of 1,440 psi, -50F
- Oil-free rotors for total flow operation
- Oil lube bearings for greater longevity
- Rugged and durable design using solid steel rotors
- Expander housed within certified pressure vessel

GENERATOR

- Variable speed to match source flow rate
- 24 VDC Alternator –30kW rating
- UL Listed, ISO 9001, Class H insulation
- Factory pass along warranty

SINGLE-SOURCE SUPPLIER

- Packaged for “plug and play” installation
- Fully tested prior to delivery

BENEFITS

- .5—3mmscfd flow rate (6:1 turn down ratio)
- Outperform JT skids and more efficient than MRU

CONTROL PANEL

- Automated controls for unmanned operation
- Rockwell Automation /Allen Bradley PLC
- Stand alone power generation with black start capability
- “Touch screen HMI
- Remote monitoring

SAFETY FEATURES

- Auto shut down with fast acting isolation valves
- Pressure Safety Valve (PSV)
- Over speed protection

