

BIOGAS COMPRESSION/CONDITIONING SYSTEMS

FEATURES:

- Best Engineering Selection Of:
 - Multi-Stage Centrifugal Blowers (Single, Series, Parallel or Series-Parallel)
 - or-
 - Rotary Lobe or Sliding Vane Compressors
 - or-
 - Rotary Screw Compressors
- Gas-to-Air Exchangers for Inter-cooling and/or After-cooling
- Chilling & Re-Heating Systems
- ASTM A-249 304L/316L Low Carbon Stainless Steel Piping w/ Stainless Steel Weld Hub Assemblies & Painted Cast Iron or Galvanized Flanges
- Cast Iron Valves with Viton, Teflon or EPDM Elastomerics & Stainless Steel Discs and Trim

BENEFITS:

- Designed & Packaged for Site-Specific Performance Requirements
- Single Source for Design & Manufacture of Waste Gas Compression, Processing & Combusting Equipment
- Mechanical, Thermal, Electrical & Packaging Design by an Experienced Factory Project Team in One Location
- Fully Packaged Systems, Pre-Assembled, Pre-Wired and & Pre-Tested at the Factory
- All Systems & Sub-Systems Fully Integrated to a Single MCC/ Control Panel System
- Value Engineered for Lowest Possible Parasitics, Highest Possible Performance



APPLICATIONS

PEI GAS COMPRESSION/CONDITIONING SYSTEMS CAN BE PROVIDED FOR:

- High Btu Plants and Pipeline Transport Systems
- Biogas-Fired Boiler Systems
- Biogas-Fired Turbine & Micro-Turbine Systems
- Biogas-To-Energy "LFGTE" **Pre-Treatment Systems** for CAT and Jenbacher Genets
- May Be Integrated with any PEI Combustion System

Phone: (417) 256-2002
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STANDARD EQUIPMENT

- Engineered Equipment Skid Systems Constructed From ASTM A-36 Carbon Steel Wide Flange and/ or Channel
- PLC Digital and Analog Control Systems w/Touch Screen Operator Interface Panels
- 100 MPH & Seismic Zone 4 Design



- Industrial Control Panels



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AVAILABLE FEATURES

- Easy Integration with Site SCADA Systems
- Remote Monitoring Systems
- Automatic Temperature Control
- Automatic Pressure Control System
- Automatic Pressure Relief System
- Automatic Diversion to Combustor
- Integration to Existing Control System

**PERENNIAL
ENERGY**
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Specifications & Options Subject to Change Without Notice