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

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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
- UL Industrial Control Panels

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