



# Landfill Gas Compression Systems

## THE PRODUCT

### FEATURES:

- BEST ENGINEERING SELECTION OF EITHER:  
  
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 INTERCOOLING and/or AFTERCOOLING
- 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 & S.S. DISCS AND TRIM

### BENEFITS:

- DESIGNED & PACKAGED FOR SITE SPECIFIC PERFORMANCE REQUIREMENTS
- SINGLE SOURCE FOR DESIGN & MANUFACTURE OF WASTE GAS COMPRESSION, PROCESSING & COMBUSTION EQUIPMENT
- MECHANICAL, THERMAL, ELECTRICAL & PACKAGING DESIGN BY AN EXPERIENCED FACTORY PROJECT TEAM IN ONE LOCATION
- FULLY PACKAGED SYSTEMS, PRE-ASSEMBLED, PRE-WIRED & 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 SYSTEMS CAN BE PROVIDED FOR:

- Pipeline Transport Systems
- Landfill Gas Fired Boiler Systems
- Landfill Gas Fired Turbine & Micro-Turbine Systems
- Landfill Gas Fueled Internal Combustion Engine Systems
- May be Integrated with any PEI Combustion System

Specifications & Options Subject To Change Without Notice

## Standard Equipment

- Engineered equipment skid systems constructed from ASTM A-36 carbon steel wide flange and/or channel
-  Industrial control panels
- PLC digital and analog control systems w/ touch screen operator interface panels
- 100 mph & seismic zone 4 design

## Optional Equipment

- Data Acquisition and SCADA Systems
- Remote Monitoring Systems
- Remote Control Systems
- Automatic Pressure Control System
- Automatic Pressure Relief System
- Automatic Diversion to Combustor
- Integration to Existing Control System