



CMM / CBM Compression & Conditioning Systems

THE PRODUCT

Designed expressly for Coal Mine & Coal Bed Methane applications

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

- CH₄, CO₂, O₂ MONITORING & DATALOGGING COMPLIANT WITH GHG & CARBON CREDIT PROJECTS

BENEFITS:

- DESIGNED & PACKAGED FOR SITE SPECIFIC PERFORMANCE REQUIREMENTS

- SINGLE SOURCE FOR DESIGN & MANUFACTURE OF WASTE GAS COMPRESSION & 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

- DESIGNED PER USEPA, CARB, & MSHA GUIDELINES



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

- Windload, Overturn, and Seismic restraint design per ASCE 7-10 & IBC-2012

Applications

PEI GAS COMPRESSION/CONDITIONING SYSTEMS CAN BE PROVIDED FOR:

- Pipeline Transport Systems
- CMM / CBM Fired Boiler Systems
- CMM /CBM Fired Turbine & Micro-Turbine Systems
- CMM / CBM to Energy "CMMTE" Pre-Treatment Systems for CAT and Jenbacher Genets
- May be Integrated with any PEI Combustion System

Specifications & Options Subject To Change Without Notice

Available Features

- 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



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