



400 HP Screw Compressor Package (Custom Unit)

COMPASS MODEL NO: WK400-SS-PDR25

- Application:** Mine Vent Gas Recovery
- Location:** Green River, Wyoming
- Design Challenges:** The customer required removal of explosive mine gas which was previously vented into the atmosphere. The mine gas included a certain percentage of O₂ which needed to be accurately monitored to ensure the compressor operated outside of explosive limits.
- Compass Solution:** Compass Compression custom designed a 400 HP rotary screw compressor package pulling vacuum with a discharge pressure of 70 psig and special O₂ sensing equipment. Once the gas was recovered it was used as plant fuel gas for burners on process equipment.

Major Equipment Specifications

Compressor:

Sullair PDR25X-GD rotary screw compressor

Drive:

Waukesha F18GSI natural gas engine rated 400 HP @ 1800 rpm

Air Cooler:

Air-X-Limited 96AEF forced draft cooler assembly

Control Panel:

Murphy Centurion PLC control panel complete with accessories

Other Features:

Flat plate "plate & frame" compressor lube oil cooler

Phone:
403-262-2487

Toll Free (North America):
1-855-262-2487

Email:
info@compassnrg.com

compassnrg.com