

# **CGR200** Casing Gas Recovery Unit

## **Standard Features**

- RotorComp NK160 Twin Screw Compressor
- 60 HP Hydraulic or Electric Motor w/ Optional Speed Control
- 12" x 48" Inlet Scrubber c/w Double Diaphragm Pump
- 2 - 12" x 60" Activated Alumina Regenerative Drying Vessels
- Oil/Gas Discharge Cooler, Plate and Bar
- 8" x 48" Discharge Gas Scrubber c/w Auto Drain
- 12' (l) x 8' (w) x 10' (h) Insulated Pre-Painted Building
- 12' (l) x 8' (w) Heavy Duty Skid with 3/16" Checker Plate Floor, c/w Lift Lugs
- Back Pressure Control Valve
- Pre & Post 1 Micron Filtration c/w Auto Drain & Differential Pressure Indicator
- Zelio (On/Off) Panel / Horner PLC Panel
- 1 - 12" x 24" Catalytic Natural Gas Heaters
- Meet the Industry Standards, CSA, ABSA, ASME and CRN

## **Control System Features**

- 12V DC Proportional Valve, Allows for "soft start" on Compressor
- Suction Pressure Low
- Discharge Pressure High
- Low Suction Pressure Recycle
- Suction Scrubber - Level High
- Back Pressure Controller
- Discharge Temperature High
- Skid Edge Connections
- Class I Division 2 Area Classification

## **Applications**

- Heavy Oil "Vent" Gas Recovery
- Reduce or Eliminate On-Site Propane or Fuel Gas Costs
- Sell Excess Dry "Spec" Gas Off-Site
- 4 lbs H<sub>2</sub>O/mmcft or less
- Up to 265 mcf/d Through-Put
- Achieve Environmental Compliance

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## General Performance - Dry "Spec" Gas Output

| Suction | Discharge Pressure |           |
|---------|--------------------|-----------|
|         | 125 PSIG           | 150 PSIG  |
| 0 PSIG  | 195 mcf/d          | 195 mcf/d |
| 1 PSIG  | 209 mcf/d          | 209 mcf/d |
| 2 PSIG  | 223 mcf/d          | 223 mcf/d |
| 3 PSIG  | 237 mcf/d          | 237 mcf/d |
| 4 PSIG  | 251 mcf/d          | 251 mcf/d |
| 5 PSIG  | 265 mcf/d          | 265 mcf/d |

## Hydraulic Requirements and Performance

|   | Minimum   | Maximum   |
|---|-----------|-----------|
| Hydraulic Flow                            | 25 GPM    | 45 GPM    |
| Hydraulic Pressure                        | 1800 psig | 3500 psig |
| Compressor RPM                            | 2000 rpm  | 5500 rpm  |
| Hydraulic Motor                           | 700 rpm   | 1800 rpm  |
| Total Horsepower<br>(Compressor & Cooler) | 30 hp     | 60 hp     |