

CGR50 Casing Gas Recovery Unit

Standard Features

- RotorComp NK60 Twin Screw Compressor
- 25 HP Hydraulic Or Electric Motor
- 8" x 48" Inlet Scrubber c/w Double Diaphragm Pump
- 2 - 4" x 42" Activated Alumina Regenerative Drying Vessels
- Oil/Gas Discharge Cooler, Plate and Bar
- 4" x 42" Discharge Gas Scrubber c/w Auto Drain
- 6' (l) x 4' (w) x 7' (h) Insulated Pre-Painted Building (Cabinet Style)
- 6' (l) x 4' (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 H₂O/mmcft or less
- Up to 55 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	36 mcf/d	36 mcf/d
2 PSIG	43 mcf/d	43 mcf/d
4 PSIG	48 mcf/d	48 mcf/d
5 PSIG	50 mcf/d	50 mcf/d
10 PSIG	65-70 mcf/d (Specific application conditions need to be reviewed.)	

Hydraulic Requirements and Performance

	Minimum	Maximum
Hydraulic Flow	10 GPM	15 GPM
Hydraulic Pressure	1100 psig	2500 psig
Compressor RPM	2000 rpm	5500 rpm
Hydraulic Motor	750 rpm	1800 rpm
Total Horsepower (Compressor & Cooler)	7.5 hp	20 hp
Dry Gas Output	17 mcf/d (0.5 e ³ m ³ /day)	70 mcf/d (2 e ³ m ³ /day)