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 H_20/mmcf or less
- Up to 55 mcf/d Through-Put
- Achieve Environmental Compliance

Brahma Compression Ltd.
1310 - 43rd Avenue SE, Calgary, Alberta, Canada T2G 2A2
t. (403) 287-6990 | f. (403) 243-4085 | Toll Free. 1-800-230-6056 | www.gascompressors.ca

CGR50 Casing Gas Recovery Unit

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^3m^3/day)	70 mcf/d (2 e^3m^3/day)

Brahma Compression Ltd.
1310 - 43rd Avenue SE, Calgary, Alberta, Canada T2G 2A2
t. (403) 287-6990 | f. (403) 243-4085 | Toll Free. 1-800-230-6056 | www.gascompressors.ca

CGR140 Casing Gas Recovery Unit

Standard Features

- RotorComp NK100 Twin Screw Compressor
- 40 HP Hydraulic or Electric Motor w/ Optional Speed Control
- 12" x 48" Inlet Scrubber c/w Double Diaphragm Pump
- 2 - 8" x 42" Activated Alumina Regenerative Drying Vessels
- Oil/Gas Discharge Cooler, Plate and Bar
- 8" x 48" Discharge Gas Scrubber c/w Auto Drain
- 8' (l) x 8' (w) x 9' (h) Insulated Pre-Painted Building
- 8' (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

- l 2V 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_20/mmcf or less
- Up to 151 mcf/d Through-Put
- Achieve Environmental Compliance

Brahma Compression Ltd.
1310 - 43rd Avenue SE, Calgary, Alberta, Canada T2G 2A2
t. (403) 287-6990 | f. (403) 243-4085 | Toll Free. 1-800-230-6056 | www.gascompressors.ca

CGR140 Casing Gas Recovery Unit

General Performance - Dry "Spec" Gas Output

Suction	Discharge Pressure	
	125 PSIG	150 PSIG
0 PSIG	116 mcf/d	115 mcf/d
2 PSIG	125 mcf/d	124 mcf/d
4 PSIG	143 mcf/d	142 mcf/d
5 PSIG	151 mcf/d	151 mcf/d
10 PSIG	Specific application conditions need to be reviewed.	

Hydraulic Requirements and Performance

	Minimum	Maximum
Hydraulic Flow	20 GPM	35 GPM
Hydraulic Pressure	1100 psig	3200 psig
Compressor RPM	2000 rpm	6000 rpm
Hydraulic Motor	750 rpm	1800 rpm
Total Horsepower (Compressor & Cooler)	7.5 hp	20 hp

Brahma Compression Ltd.
1310 - 43rd Avenue SE, Calgary, Alberta, Canada T2G 2A2
t. (403) 287-6990 | f. (403) 243-4085 | Toll Free. 1-800-230-6056 | www.gascompressors.ca

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_20/mmcf or less
- Up to 265 mcf/d Through-Put
- Achieve Environmental Compliance

Brahma Compression Ltd.
1310 - 43rd Avenue SE, Calgary, Alberta, Canada T2G 2A2
t. (403) 287-6990 | f. (403) 243-4085 | Toll Free. 1-800-230-6056 | www.gascompressors.ca

CGR200 Casing Gas Recovery Unit

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 (Compressor & Cooler)	30 hp	60 hp

Brahma Compression Ltd.
1310 - 43rd Avenue SE, Calgary, Alberta, Canada T2G 2A2
t. (403) 287-6990 | f. (403) 243-4085 | Toll Free. 1-800-230-6056 | www.gascompressors.ca

CGR400 Casing Gas Recovery Unit

Standard Features

- RotorComp NK200 Twin Screw Compressor (125 BHP)
- 125 HP Hydraulic or Electric Motor w/ Optional Speed Control
- 12" x 48" Inlet Scrubber c/w Double Diaphragm Pump (16" x 60" optional depending on operation conditions)
- 2 - 12" x 60" Activated Alumina Regenerative Drying Vessels
- 8" x 48" Discharge Gas Scrubber c/w Auto Drain
- 12' (l) x8' (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_20/mmcf or less
- Up to 450 mcf/d Through-Put
- Achieve Environmental Compliance

Brahma Compression Ltd.
1310 - 43rd Avenue SE, Calgary, Alberta, Canada T2G 2A2
t. (403) 287-6990 | f. (403) 243-4085 | Toll Free. 1-800-230-6056 | www.gascompressors.ca

CGR400 Casing Gas Recovery Unit

General Performance - Dry "Spec" Gas Output

Suction	Discharge Pressure	
	125 PSIG	150 PSIG
0 PSIG	330 mcf/d	321 mcf/d
2 PSIG	380 mcf/d	370 mcf/d
4 PSIG	430 mcf/d	425 mcf/d
5 PSIG	460 mcf/d	450 mcf/d
10 PSIG	590 mcf/d	580 mcf/d

Brahma Compression Ltd.
1310 - 43rd Avenue SE, Calgary, Alberta, Canada T2G 2A2
t. (403) 287-6990 | f. (403) 243-4085 | Toll Free. 1-800-230-6056 | www.gascompressors.ca