



Bay 8, 1820 – 30<sup>th</sup> Avenue NE  
Calgary, Alberta T2E 7M5  
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## CG20 One Stage Sweet Compressor Specifications

### Compressor

- Type Two Cylinder (single stage) Vertical Recip
- Model Quincy QRNG 270

### Driver

- Electric Motor
- Power 20HP @ 1750 rpm
- Type TEFC

### Drive System

- Type V Belt

### Cooling System

- Type Aftercooler

### Capacity Control

- Inlet Valve
- Pulley Sizing
- Low Pressure Recycle

### Controls and Instrumentation

- Start/ Run Switch
- ESD
- Local Instrumentation

### Shutdowns

- Low suction pressure
- High discharge pressure
- High compressor discharge temperature
- Low compressor oil pressure

### Indicators

- Suction pressure
- Well pressure
- Compressor oil pressure
- Discharge pressure
- Compressor discharge temperature
- Hour meter

### Inlet/Outlet

- Inlet flange 1" 150# RFF
- Outlet flange 1" 150# RFF
- Inlet valve 1" FP Ball Valve
- Discharge check 1" swing
- Low pressure inlet control Inlet Regulator

Piping

- Process piping SA-106B threaded piping
- Other piping SA-106B threaded piping
- Flare header Header for PSV's, and blow down
- All process valves accessible for easy adjustment, service and replacement

Enclosure

- Floor Drip tray c/w drains
- Vents Gravity-operated damper
- Heater EXP electric heater

Miscellaneous

- All inspection and fill points accessible from outside
- Easy access to all service points
- All service points reachable at ground level

Compliance

- Class 1, Div 2, Group D
- CSA, Intertek or QPS approved

Options

- Inlet scrubber
  - Design code ASME Sect VIII, Div I
  - Corrosion allowance 1/8"
  - PSV 50 psi
  - Sight glass Glass 8" viewing length
  - CRN AB, BC, SK
  - Inlet scrubber high level shutdown
- Annunciator
- Fire and gas detection
- Tear-away bug screens on cooling air inlets
- Inlet Scrubber Drain Pump
- Electric Heat Trace
- 25' Hose Kit

Compact Compression Inc. CG 20					
Quincy QRNG 270 1 Stage Sweet					
DISCHARGE PRESSURE					
Suction		<b>40</b>	<b>60</b>	<b>80</b>	<b>100</b>
	<b>5</b>	109	99	90	81
	<b>10</b>	143	133	124	115
	<b>20</b>	214	203	192	183
	<b>30</b>		273	262	252
	<b>40</b>			332	321
*Performance based on Sea Level, gas density .65, temp 68 °F					
Pressures in PSI					
Flow Rates in MSCFD					