



Bay 8, 1820 – 30<sup>th</sup> Avenue NE  
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## CG30 One Stage Sour Compressor Specifications

### Compressor

- Type Two Cylinder (single stage) Vertical Recip
- Model Blackmer HDS602

### Driver

- Electric Motor
- Power 30HP @ 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 NACE

**Piping**

- Process piping SA-106B welded 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 80 psi
  - Sight glass Glass 8" viewing length
  - CRN AB, BC, SK
  - Inlet scrubber high level shutdown
- Annunciator
- Fire, gas and H2S detection
- Tear-away bug screens on cooling air inlets
- Inlet Scrubber Drain Pump
- Electric Heat Trace

Compact Compression Inc. CG 30 Blackmer HDS602 1 Stage Sour						
DISCHARGE PRESSURE						
Suction		50	75	100	150	200
	10	109	96	85		
	20	166	153	140	116	
	30	224	210	197	172	147
	40	283	269	255	228	203
	50		327	313	285	259
	75			461	431	403
	*Performance based on Sea Level, gas density .65, temp 68 °F Pressures in PSI Flow Rates in MSCFD					