



Bay 8, 1820 – 30<sup>th</sup> Avenue NE  
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## CG15 One Stage Sour Compressor Specifications

### Compressor

- Type Two Cylinder (single stage) Vertical Recip
- Model Blackmer HDS362

### Driver

- Electric Motor
- Power 15HP @ 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

<b>Compact Compression Inc. CG 15</b>						
<b>Blackmer HDS362 1 Stage Sour</b>						
<b>DISCHARGE PRESSURE</b>						
<b>Suction</b>		<b>50</b>	<b>75</b>	<b>100</b>	<b>150</b>	<b>200</b>
	<b>10</b>	65	60	56		
	<b>20</b>	96	91	86	77	
	<b>30</b>	128	123	117	108	98
	<b>40</b>	160	154	149	139	129
	<b>50</b>		186	181	170	160
	<b>75</b>			261	250	239
*Performance based on Sea Level, gas density .65, temp 68 °F						
Pressures in PSI						
Flow Rates in MSCFD						