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
- Discharge pressure
- Compressor discharge temperature
- Hour meter

**Indicators**
- Suction pressure
- Well pressure
- Compressor oil pressure

**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

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<th>Suction</th>
<th>DISCHARGE PRESSURE</th>
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*Performance based on Sea Level, gas density .65, temp 68 ºF
Pressures in PSI
Flow Rates in MSCFD