CG15 Two Stage Sour Compressor Specifications

Compressor
- Type: Two Cylinder (two stage) Vertical Recip
- Model: Blackmer HDS372

Driver
- Electric Motor
- Power: 15 HP @ 1750 rpm
- Type: TEFC

Drive System
- Type: V Belt

Cooling System
- Type: Intercooler & 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
- Indicators
  - Suction pressure
  - Well pressure
  - Compressor oil pressure
- High compressor discharge temperature
- Low compressor oil pressure
- Discharge pressure
- Compressor discharge temperature
- Hour meter

Inlet/Outlet
- Inlet flange: 1” 300# RFF
- Outlet flange: 1” 300# 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 approval

Options
- Inlet scrubber
  - Design code  ASME Sect VIII, Div I
  - Corrosion allowance  1/8”
  - PSV  60 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

<table>
<thead>
<tr>
<th>Compact Compression Inc. CG 15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blackmer HDS372  2 Stage Sour</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Suction</th>
<th>DISCHARGE PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>150</td>
</tr>
<tr>
<td>10</td>
<td>42</td>
</tr>
<tr>
<td>20</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
</tr>
<tr>
<td>40</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

*Performance based on Sea Level, gas density .65, temp 68 ºF
Pressures in PSI
Flow Rates in MSCFD