# CG30 Two Stage Sour Compressor Specifications

## Compressor
- **Type**: Two Cylinder (two stage) Vertical Reciprocating
- **Model**: Blackmer HDS612

## Driver
- **Type**: Electric Motor
- **Power**: 30 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 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, gas and H2S detection
- Tear-away bug screens on cooling air inlets
- Inlet Scrubber Drain Pump
- Electric Heat Trace

<p>| Compact Compression Inc. CG 30 |
| Blackmer HDS612  2 Stage Sour |
| DISCHARGE PRESSURE |</p>
<table>
<thead>
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<th>Suction</th>
<th>150</th>
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*Performance based on Sea Level, gas density .65, temp 68 °F
Pressures in PSI
Flow Rates in MSCFD