



Bay 8, 1820 – 30th Avenue NE
Calgary, Alberta T2E 7M5
Telephone: (403) 219-3026 Fax: (403) 717-1759

CG30 Two Stage Sour Compressor Specifications

Compressor

- Type Two Cylinder (two stage) Vertical Recip
- Model Blackmer HDS612

Driver

- 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
- 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" 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

Compact Compression Inc. CG 30						
Blackmer HDS612 2 Stage Sour						
DISCHARGE PRESSURE						
Suction		150	200	250	300	350
	10	90	89	87		
	20		127	125	124	122
	30			163	162	160
	40				200	198
*Performance based on Sea Level, gas density .65, temp 68 °F						
Pressures in PSI						
Flow Rates in MSCFD						