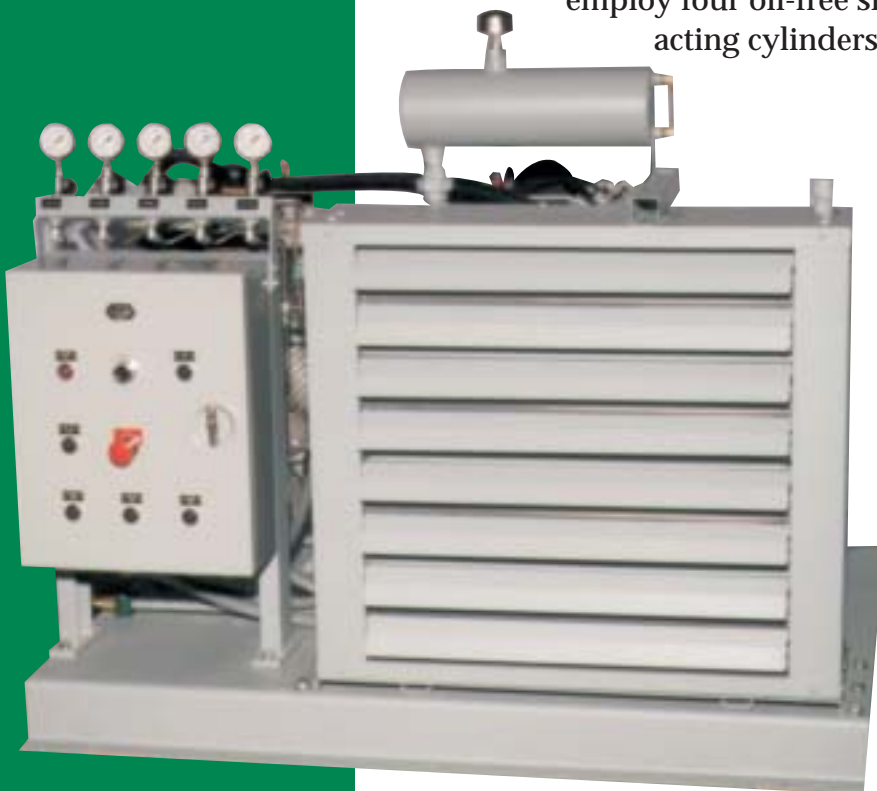


Q2

RIX INDUSTRIES' 4V4BG FEATURES:

- **Oil-Free Design**
- **Proven Safety Features**
- **Low RPM for Long Service Life**
- **Continuous, Around-The-Clock Operation**



RIX 4V4BG

HIGH PRESSURE OXYGEN COMPRESSOR for cylinder filling

Discharge Pressure to 3000 PSIG (207 BarG)

Flow Rate; 10 to 17 SCFM

(600 to 1000 SCFH; 16 to 27 Nm³/H)

RIX Oxygen Compressors have been developed specifically for the exacting requirements of safe, reliable oxygen compression service. The 4V4BG Series incorporates design features developed over several decades for a variety of industrial and military oxygen compressor applications. These compressors are well suited for the compression of oxygen to 3000 psig, and other clean, dry gases to 5000 psig. The 4V4BG high pressure oxygen compressor will fill up to one hundred (100) 240 cu. ft. 2500 psi oxygen cylinders in a 24 hour period.

4V4BG four-stage compressors employ four oil-free single-acting cylinders

on a "V" type crosshead design crankcase. Heat exchangers, crankcase and compression cylinders are fresh water cooled. The crankcase is pressure/splash-lubricated with oxygen compatible oil. The 3rd and 4th stage pistons are free-floating. This allows piston and ring change-out without cylinder or piston rod removal. All heads are air cooled and can be removed without disconnecting the cooling water piping. Replacement of a floating piston assembly typically requires only about 30 minutes.

The proven ring life of the 4th stage, compressing oxygen at 2500 psig, is more than 3000 hours. Service life of the other stages is considerably longer.

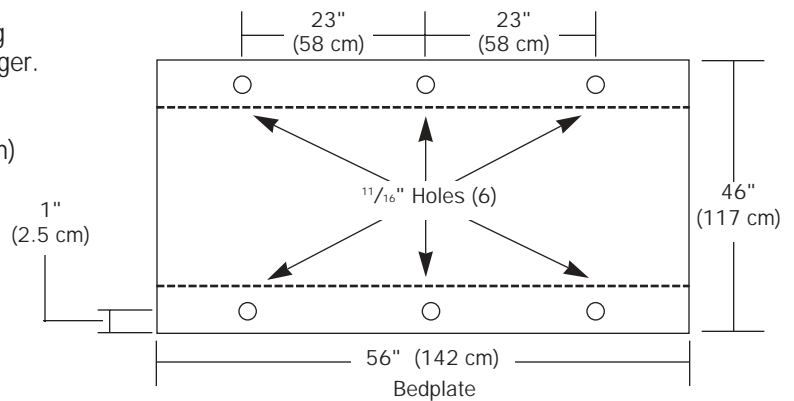
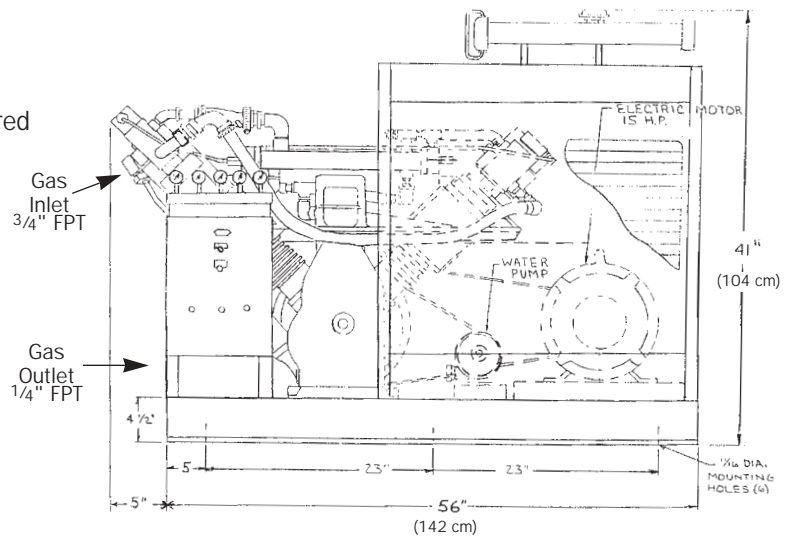
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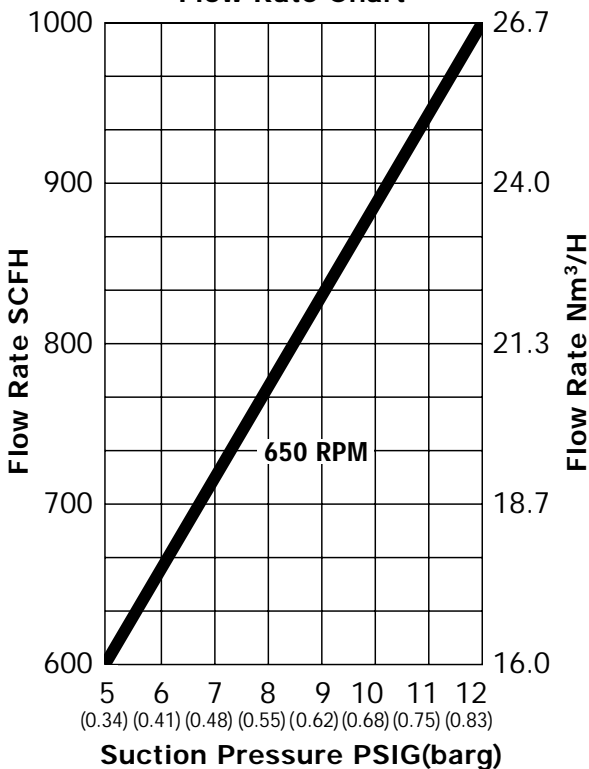
RIX INDUSTRIES
6460 Hollis Street
Oakland, CA 94608 USA
Phone (510) 658-5275
Fax (510) 428-9102

RIX 4V4BG Oxygen Compressor

| | |
|---|---|
| Size, Compressor Pkg. | 36"H x 56"L x 31"W (91Cm x 142Cm x 78Cm) |
| Weight, Compressor Pkg. | 800 lbs. (363 Kg) |
| Power, motor size | 15 HP (11 Kw) 190 to 460 volts as required 50 or 60 Hz as required three phase |
| Compressor RPM | 650 RPM |
| Suction Pressure | 5 - 12 PSIG 0.34 - 0.83 BarG 0.35 - 0.84 Kg/cm ² G |
| Max. Discharge pressure, O ₂ | 3000 PSIG 207 BarG 211 Kg/cm ² G |
| Flow Rate | 600 - 1000 SCFH 16 - 27 Nm ³ /H 268 - 446 Nltr/M |
| Cooling | Closed circuit water cooling with air/water heat exchanger. |
| Shipping weight | 1100 lbs. (500 Kg) |
| Shipping volume | 54"H x 73"L x 60"W (137Cm x 185Cm x 152Cm) |
| Gas inlet | 3/4" FPT |
| Gas outlet | 1/4" FPT |



**4V4BG Oxygen Compressor
Flow Rate Chart**



STANDARD COMPONENTS

Compressor Package:

- 4V4BG Compressor
- Bedplate
- Drive Belt, Belt Guard
- Motor (15 HP; 50/60 cycle; 3 phase)
- Motor Starter, Start/Stop Buttons
- Hour Meter
- Pressure Gauges
- High Temperature Shutdown
- High Pressure Shutdown
- Low Pressure Shutdown
- Pressure Gauges
- Radiator
- Electric Fan and Starter
- Water Pump
- Oxygen Clean

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