

# RIX 2J SERIES

## OIL-FREE OR OIL-LUBRICATED GAS COMPRESSORS FOR HIGH-PRESSURE SERVICE TO 7,000 PSIG

### RIX INDUSTRIES' STANDARD AND CUSTOM- DESIGNED COMPRESSORS FEATURE:

- *Single or Multi-Stage Compression*
- *Low Piston Speeds*
- *Continuous Duty*
- *Water Cooling*
- *Crosshead Construction*
- *Pressure-Lube Crankcase*
- *Smooth, Quiet Operation*
- *Compact, Easy to Maintain Design*

*RIX 2JS compressors feature heavy-duty crosshead construction with two vertical, in-line cylinders and full water cooling. The guide cylinders are cast into the crankcase for strength and rigidity. RIX 2JJS model is fabricated with heavier components and offers a center main bearing for additional horsepower and rod load capacity.*

### CONSTRUCTION

**Crankcase:** Pressure lubricated with shaft-mounted Gerotor oil pump and full flow oil filter.

**Bearings:** Spherical roller main bearings. Sleeve type center main and connecting rod bearings. Bronze wrist pin bushings; needle bearings optional.

**Distance Pieces:** Extra-long; dual compartment and metallic slingers available.

### COMPRESSION AREA

#### Typical Oil-Free Units

**Cylinders:** Iron or bronze castings with stainless liners as required. Machined steel for high pressure with wet or dry iron or stainless liners.

**Piston Rings and Packings:** A wide selection of designs and materials are available, including Morganite, Aavolyn, France and C. Lee Cook products. High-pressure stages (over 2000 psig) commonly use floating pistons for maximum sealing, long life and quick replacement.

**Packing Boxes:** Vented and/or purged packings available as required.

**Piston Rods:** Stainless steel or Tungsten coated for long life. Extra-long distance pieces.

**Valves:** Stainless steel standard. Hoerbiger or France plate or ring valves used in most applications.

### SPECIFICATIONS

#### Horsepower Range:

2JS to 150 BHP

2JJS to 250 BHP

#### Displacement:

Up to 360 CFM (2-3 Stage)

Up to 180 CFM (4 Stage)

#### Cylinders:

1 to 4 Stages

Diameters from

$\frac{7}{8}$ " to  $10\frac{1}{2}$ "

#### Stroke:

5 inches

#### Speed:

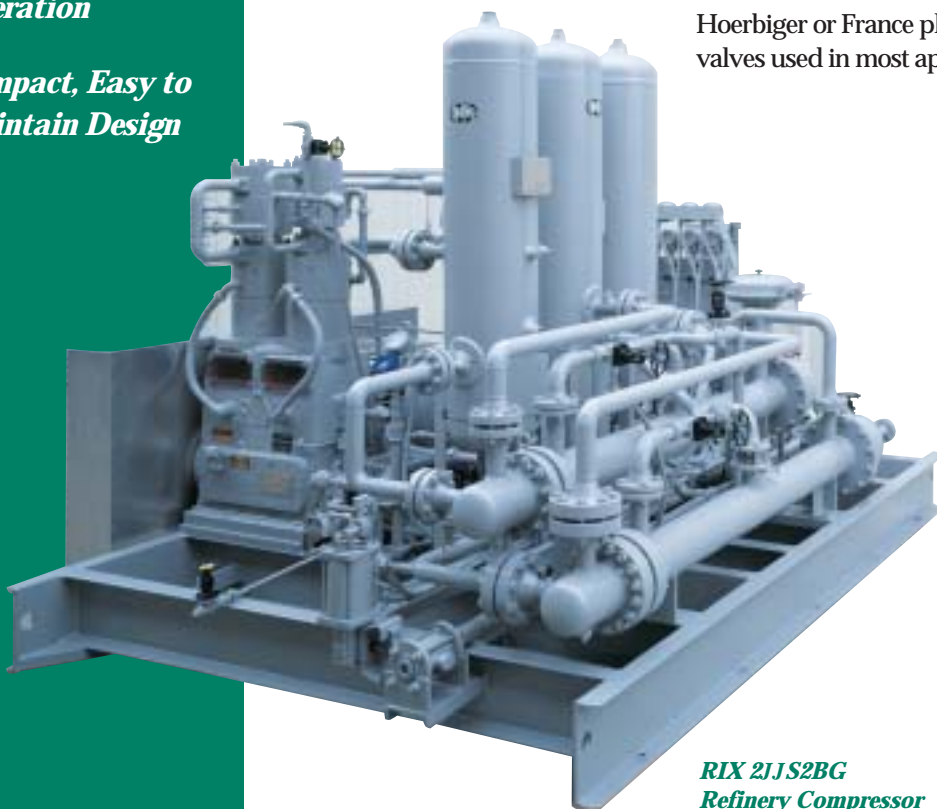
250 – 720 RPM

#### Typical Gases:

Oxygen, Hydrogen,  
Argon, Nitrogen, Helium,  
Natural Gas, Breathing Air

### PACKAGING

Turn-key packaging is a standard practice at RIX Industries. Customer defined heat exchangers, pulsation tanks and control systems are easily incorporated into RIX package designs. RIX welding meets ANSI B31.3. RIX offers API-618 variances for refinery type applications.

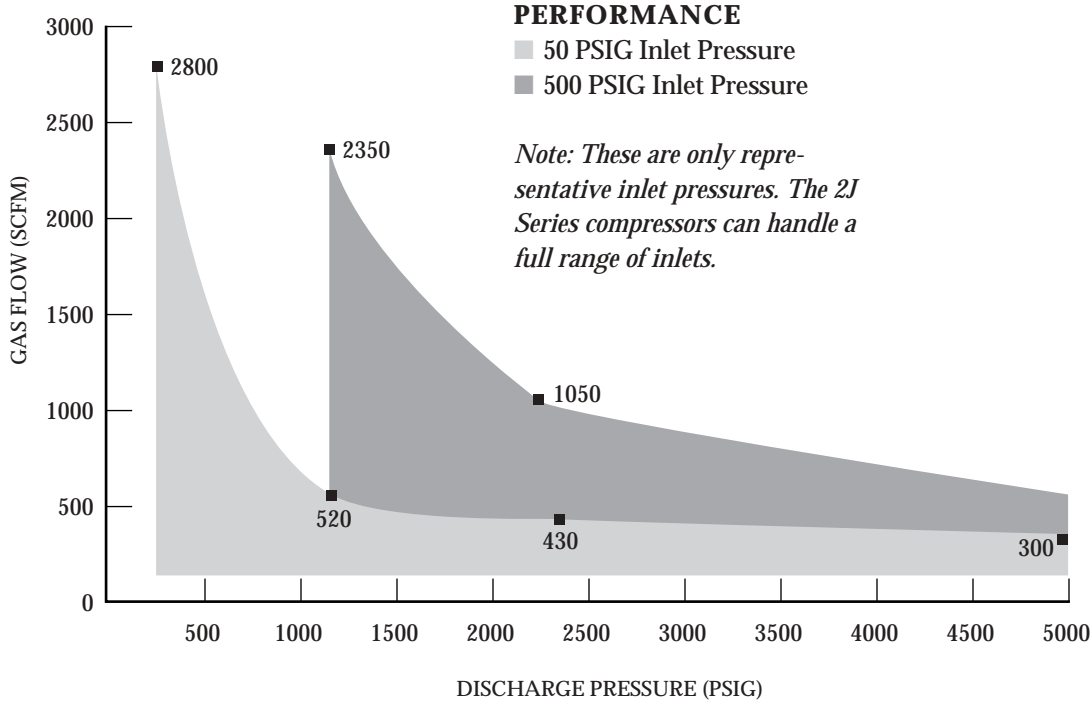


**RIX 2JJS2BG**  
Refinery Compressor



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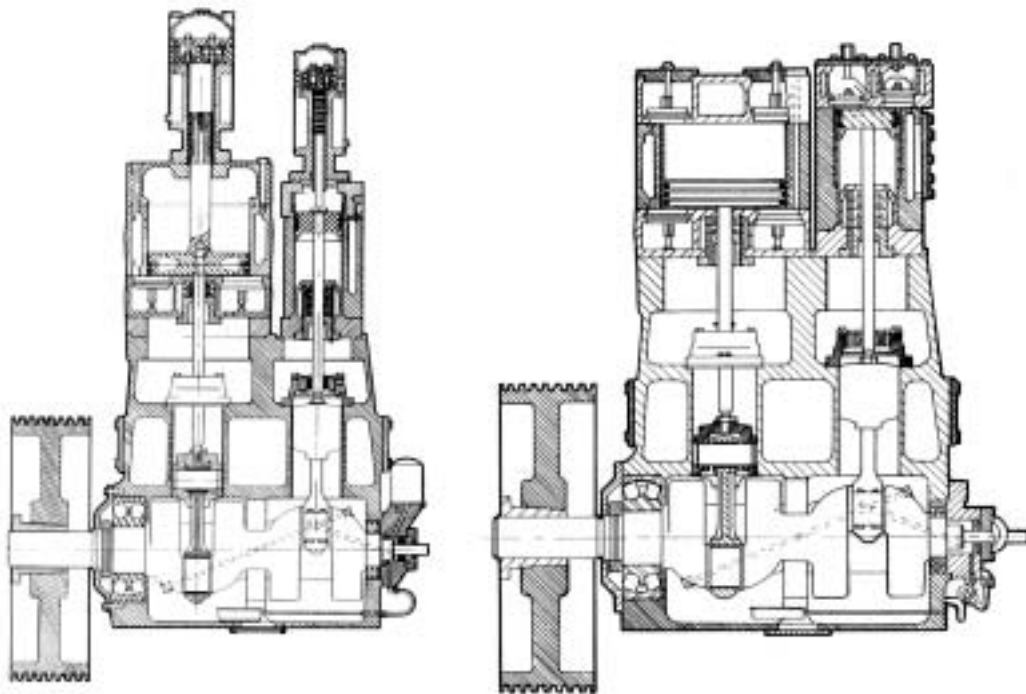
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## CUSTOM DESIGNS

RIX can provide custom engineering services to produce compressors that exactly meet your specifications. RIX's engineers are experienced with a wide variety of materials, manufacturing processes, and alternative configurations. We can help you develop the optimum system design for your application.

Please call us to discuss any compressor or compression system questions you might have.



2JS4  
Four-Stage Compressor

2JS2  
Two-Stage Compressor

Please call for typical layout drawings with motor, controls and accessories.

AVAILABLE FROM:



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