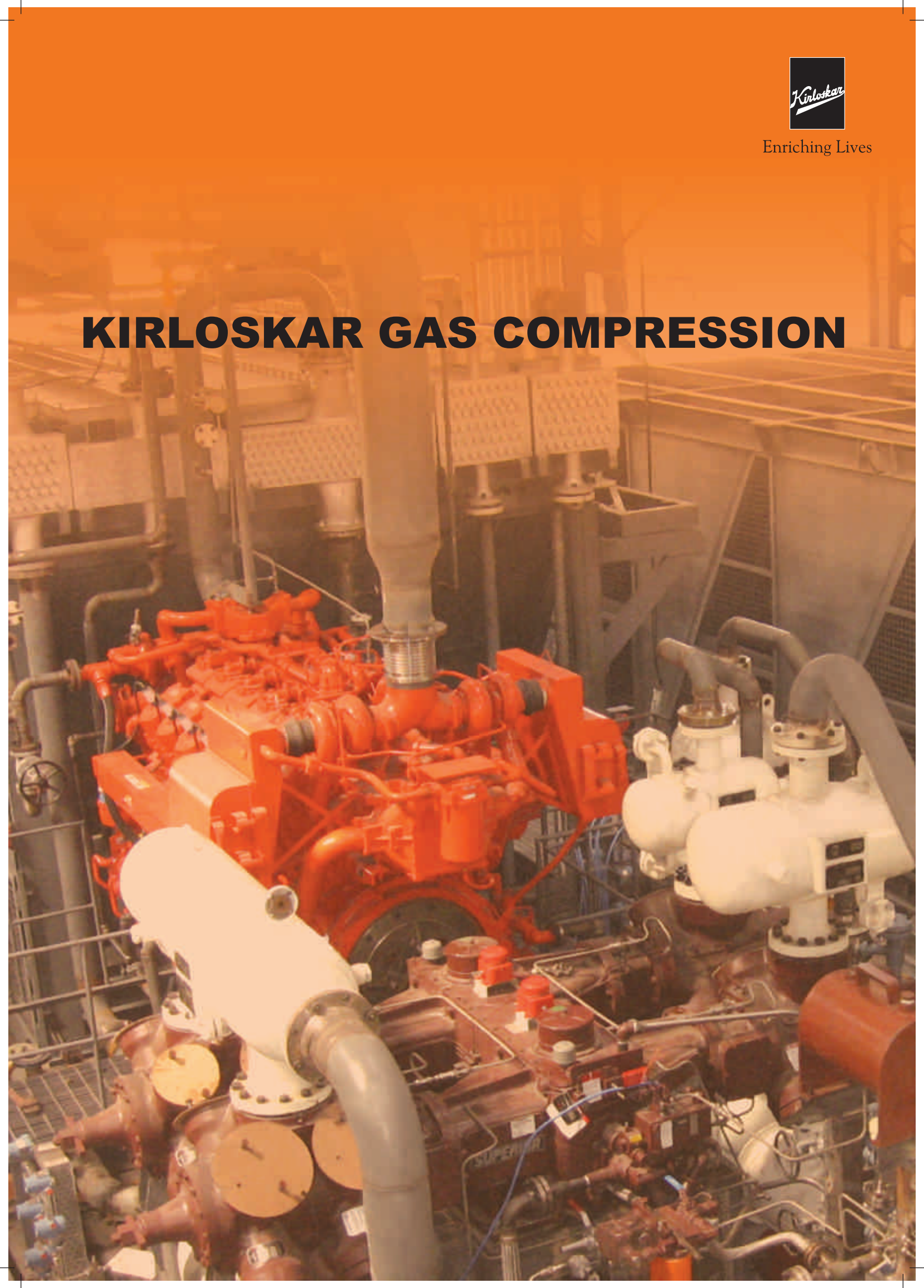




Enriching Lives

# KIRLOSKAR GAS COMPRESSION





## **Kirloskar Pneumatic Co. Ltd.**

Founded in 1958 as a part of Engineering Conglomerate Kirloskar Group, KPCL today is one of the most accomplished name in the compression market.

With its world class products in Refrigeration Systems, Air Compression Systems, Transmission Systems and Gas Compression Systems including NGV filling stations, KPCL is enjoying a major market share.

### **Process Gas Systems**

We are in the field of design, engineering, packaging, testing and supply of various Gas Compressor Packages to cater the growing demands of upstream, midstream, downstream & distribution sectors.

KPCL product profile ranges from Low Speed Reciprocating Compressor Packages (API 618) to High Speed Reciprocating Compressor Packages (API 11P) and a wide range of Screw Compressor Packages (API 619). We are a major player in the CNG market for NGV Filling Stations.







## Process Gas Compression Applications

### Upstream

Reinjection  
Gas Lift  
Gas Gathering  
Coal Bed Methane (CBM)  
Power Generation  
Fuel Gas  
LNG



### Midstream

Gas Pipeline Transmission  
Gas Storage / Withdrawal  
Gas Processing



### Downstream

Hydrocracking  
FCC & Alkylation  
Power Generation  
Hydrotreating  
Reforming & H<sub>2</sub> Plants  
PSA System  
Flare Gas Recovery



### Distribution

CNG  
LPG



## Gases Handled

- Methane
- Ethylene
- Carbon dioxide
- Hydrogen
- Helium
- Ammonia







## Kirloskar - High Speed Reciprocating Gas Compression Systems

Kirloskar's century old engineering expertise integrated with Cameron (USA) Gas Compressors has provided the industry with one of the most robust, reliable and efficient products in the High Speed Reciprocating Gas Compression market.

We provide Packaged Reciprocating Compressors for Oil & Gas Production & Services conforming to API11P standards.

We are sole authorized packager of Cameron Compressors in India.



### Salient Features :

- Cameron Reciprocating Gas Compressors
- Wide range of product offerings:
  - Pressure range : 1 bar - 580 bar
  - Flow range : 50 cfm - 6000 cfm
- Driver : Gas Engine / Electric Motor
- Air cooled / Water cooled Heat Exchangers for Interstage cooling
- Pulsation Dampners
- Flame Proof / Purge Type Control Panel
- Piping & Instrumentation as per International Standards







## Kirloskar - Low Speed Reciprocating Gas Compression Systems

Kirloskar - GE (Nuovo Pignone, Italy) offers Low Speed Reciprocating Process Gas Compressor Packages for Petroleum, Chemical & Gas Industry Services conforming to API 618 standards. The bare shaft compressor is manufactured by GE Nuovo Pignone in Italy and packaged by Kirloskar Pneumatic in Pune, India. We are the sole authorized packager of GE-NP Compressors in India.

Modular construction, ease of maintenance and high level of performance, with wide range of products to suit specific applications make our system one of the most preferred choice in the Petroleum, Chemical & Gas Industry Services.



### Salient Features :

- GE (Nuovo Pignone, Italy)  
Reciprocating Gas Compressors  
Upto 5000 KW
- Driver : Synchronous / Induction Motor
- Shell & Tube type Heat Exchangers for  
Interstage cooling
- Flame Proof / Purge Type Control Panel
- Pulsation Dampners
- Piping and instrumentation as per  
International standards
- Skid Mounted Compact Design
- MOC suitable for all applications  
(NACE, HIC etc.)



GE

Partner  
Oil & Gas





## Kirloskar - High Speed Screw Type Gas Compression Systems

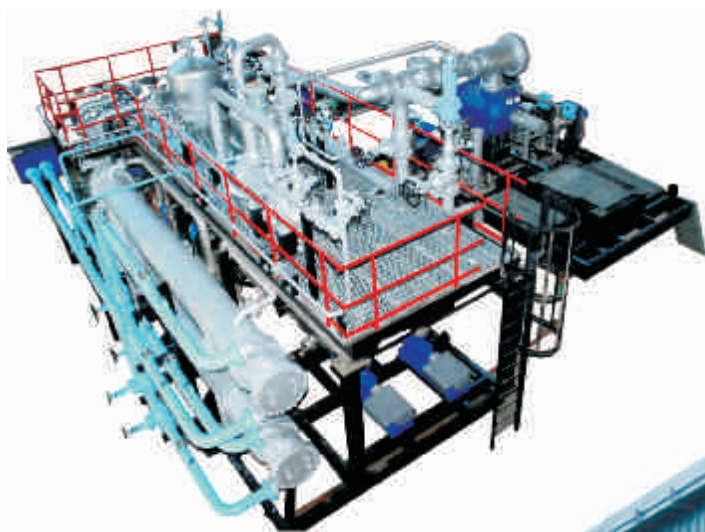
Kirloskar offers Screw Compressors which are used for process gas applications.

We are the sole authorized packager of Howden (U.K.) Screw Compressors in India.

Our Screw type Gas Compressor Packages are tailor made to suit to our client's needs.

### Salient Features :

- Oil flooded / Oil free Howden Screw Compressors
- Wide range of product offerings:
  - Pressure range: 1 bar - 32 bar
  - Flow range: 100 cfm - 6000 cfm
- Driver: Gas Engine / Electric Motor
- Air Cooled / Water Cooled Heat Exchangers
- Compact size
- Step less capacity control
- Efficient Oil Separation System
- Designed for direct drive
- Single & Dual Shaft Seal System
- Flame Proof / Purge Type Control Panel







## Kirloskar - CNG Systems For NGV Filling Application

Kirloskar is currently one of the leading suppliers of CNG Compressor Packages for NGV filling applications to all the gas companies in India. We have an expertise in providing tailor made packages to meet our customer's needs.

Each package tailored to the customer's requirement is tested in house and subjected to full load test as per contract specification.

### Salient Features :

- Cameron couple free Reciprocating Compressor
- Low vibrations and low power consumption
- Driver : Gas Engine / Electric Motor
- Wide range of product offering :
  - Suction Pressure Range: 0.55 bar - 65 bar
  - Discharge Pressure: 250 bar
  - Flow range : 300 SCMH - 3000 SCMH
- Flame Proof Control Panel
- Air cooled / Water Cooled Heat Exchangers
- Pressure vessel (manufactured as per ASME section VIII, Div I with 100% radiography)
- Priority panel (3 line, 5 line and 9 line)



### Optional Features and Supplies

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>● Vibration Sensing device</li> <li>● Gas Detectors (L.E.L)</li> <li>● Flame Detectors (U.V)</li> <li>● Acoustic Enclosures</li> <li>● Flow Metering Device</li> <li>● Programmable Logic Control</li> </ul> | <ul style="list-style-type: none"> <li>● CO<sub>2</sub> Flooding System</li> <li>● Man Machine Interface for Parameter display &amp; alarm</li> <li>● High pressure cylinder storage cascade</li> <li>● Dispenser for car and bus filling</li> <li>● Station tubing fitting layout</li> </ul> |
|---|---|







## Kirloskar Gas Compression Systems - Our Edge

- Product from World acclaimed business house - Kirloskar
- Low vibrations
- Low power consumption
- Economically viable systems owing to Low Operation & Maintenance cost
- Each machine is subjected to thorough Inspection and Testing to provide the best products in industry
- World class technologies and processes

## Our In-house Capabilities :

- Efficient Project Management System
- System Engineering and Support
- World Class Design Softwares
- Certified Quality Assurance Team with Level 3 for NDT Services
- Dedicated Sourcing Team and Strategic tie-ups
- Expertise in packaging with large packaging and Testing facility.
- Full load test facility for CNG packages upto 1500 SCMH
- No load Mechanical Run Test of all compressor packages upto 6000 KW

### Certification







## Customer Support

Kirloskar, as a group, has been recognized for providing world class products and has maintained its century old legacy of providing the most efficient after sales services & support to its valued customers.

### The Range Of Available Services Includes:

- Installation, Erection & Commissioning
- On site training for reducing downtime
- Operation & Maintenance involving parts, overhaul & repairs
- Spare Parts
- Technical support
- Service Network across the country

Kirloskar is constantly striving to provide innovative solutions with implementation of latest technologies and processes to our customers.

## Some Of Our Esteemed Clients

- |                                      |                                    |                                   |
|--------------------------------------|------------------------------------|-----------------------------------|
| ● Larsen & Toubro Limited            | ● Mangalore Refinery & Petro. Ltd. | ● ICB Technimont                  |
| ● Reliance Industries Limited.       | ● Chennai Petro Corp. Ltd.         | ● Air Liquide                     |
| ● Oil & Natural Gas Corp. Limited.   | ● Numaligarh Refinery Limited.     | ● Jacobs                          |
| ● Indian Oil Corporation Limited.    | ● Gujarat Fluorochemicals Limited  | ● Toyo                            |
| ● Hindustan Petroleum Corp. Ltd.     | ● National Fertilisers Limited.    | ● Tata Consulting Engineers       |
| ● Gas Authority of India Limited     | ● Indraprastha Gas Limited.        | ● UHDE                            |
| ● Engineers India Limited            | ● Mahanagar Gas Ltd. (IM Supply)   | ● Lurgi                           |
| ● Shell Hazira LNG Pvt Ltd           | ● Gujarat Gas Co. Limited.         | ● Germanischer Lloyd              |
| ● Essar Oil Ltd                      | ● Gujarat Adani Energy Limited.    | ● Bureau Varitas                  |
| ● Engineering Projects India Limited | ● L&T Chiyoda Ltd.                 | ● DNV                             |
| ● Bongaigaon Ref. & Petrochem.       | ● Linde                            | ● Projects & Development (I) Ltd. |
| Ltd..                                | ● Bechtel                          | ● Mecon                           |







Enriching Lives

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