



KIRLOSKAR PNEUMATIC CO. LTD.

A Kirloskar Group Company

Enriching Lives

KIRLOSKAR RECIPROCATING GAS COMPRESSORS



- Proven Solutions for Industrial Gas Compression.
- Compliance to International Standards
- Designed for safe operation
- High Performance in low and medium speed applications
- Installation Services
- Assured Post Sales Support



Wide Industrial Applications

Pressure boosting | Gas gathering | PSA | Vapour Recovery Liquid transfer | Gas Re-injection

Industries Served

Petrochemical | Oil Fields | Refineries | Fertilizer | Pulp & Paper | Food Processing | Chemicals

Meeting Your Expectations

KPCL operates from its factory located at Pune, India, with state of the art facilities for Research & Development, Manufacturing and other Business processes. It has an in-house foundry, sophisticated testing labs, CNC machining centres, heat treatment furnaces, an exhaustive testing facility and NABL approved laboratory.



Kirloskar Gas Compressors are modular, economical and reliable providing the most efficient industrial gas solutions to its users. Balanced opposed pistons offer the most robust designs for these applications.

Established in the year 1958, Kirloskar Pneumatic Company (KPCL) Limited is a pioneer in Compressed Air & Gas Solutions. Kirloskar Pneumatic Company Ltd., a flagship company in Kirloskar group, has grown over the past 56 years by serving its customers with different types of air and gas compressor requirement. The multi-product company has transformed with cutting-edge products and processes to meet the innovative demands and applications from the Industry. The company has a strong presence in the global market with customers in more than 40 countries.

Energy Efficient Selection

Compressor selection, on specific customer requirements are done through sophisticated software which offers energy efficient solutions.

The availability of proven cylinder groups ranging from 18mm to 660 mm diameter ensures wide range of flows and pressures.

Compliance to Standards

Kirloskar Gas Compressors can be designed as per API 618, API 11P, ISO 1940, ISO 10816, API 671, API 677, API 661, ASME Section VIII, TEMA, ASME B 31.1 & B31.3, API RP 520, OSHA, IEC 60079, IEC 60529, IS 2148 and IS 4758, to name a few.

Pre-tested for Leak proofing

Oil arrestor rings prevents contamination of gas with oil by isolating the oil in the first compartment of distance piece. Valves, valve seals, interconnecting piping, instrumentation, etc. pass through dual checks before installations. Rigorous testing of these packages ensures proper quality check for gas leak proof operation.

Pre-tested for performance

Each assembly of every Kirloskar Compressor undergoes careful testing in a state of the art In-house Metrology Lab. Completely assembled packages are then tested on specially designed test beds at variable load settings.

Design Infrastructure

Design Kirloskar Compressors includes seismic analysis, shock analysis, pulsation study, torsional analysis, structural design, thermal analysis using HTRI, FEA using Ansys, plant layout using PDMS software, piping & support flexibility and computerised selection of optimum cylinder combination for energy efficient operation.

We also offer engineered solutions to cater specific applications.

Gases Handled

- | | |
|---------------------------------------|-----------------------------|
| ✓ Dry Cracked Ammonia (Hydrogen Rich) | ✓ Tetrafluoroethylene (TFE) |
| ✓ Crude Gas (mixture of C2F4 & R22) | ✓ Hydrogen |
| ✓ Bone Dry Nitrogen | ✓ Acetaldehyde |
| ✓ Bio-Gas | ✓ Vinyl Chloride |
| ✓ Carbon Dioxide (Dry & Wet) | ✓ Feed Gas |
| ✓ Natural Gas | ✓ Methane |
| ✓ Argon | ✓ Propane |
| ✓ LPG | ✓ Inert Gases |
| ✓ Ammonia | ✓ Freon |
| | ✓ Methyl Chloride |

Note: For other gases please contact our nearest office / head office.



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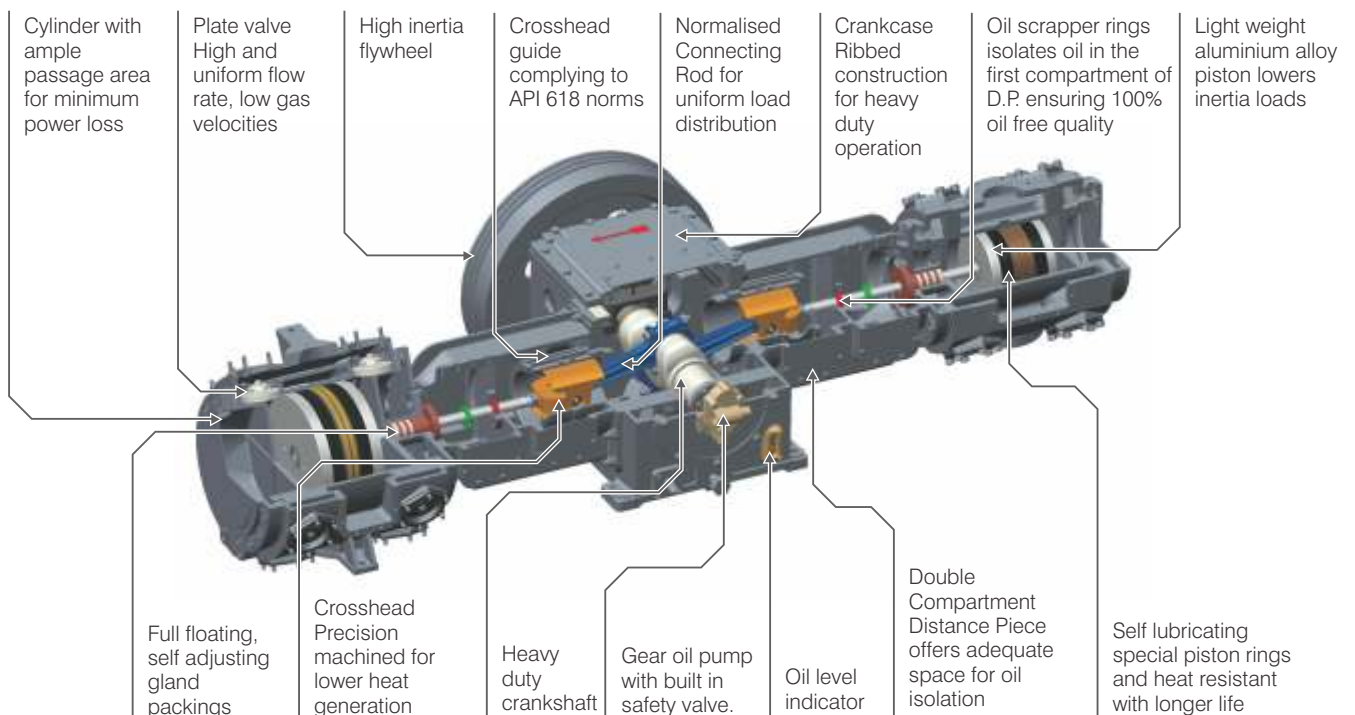


Constructional Features

- Self Lubricating Piston and rider rings: Special rings to ensure longer duty cycle.
- Ribbed Crankcase: For heavy duty operation.
- Heavy-duty Cylinder design: Hydrostatic testing at 1.5 times the rated pressure to ensure maximum strength.
- Perfect Crosshead: Machine finished crosshead ensures perfect guiding.
- Lightweight pistons: Reduced weight results in lesser inertia forces and hence higher energy saving.
- Efficient Plate valves: Valves with greater flow area come with the standard package

Kirloskar Offerings

- Working Pressure: up to 400 kg/cm²g
- Capacity: 11,000 m³/hr
- Power requirement: upto 1200 hp



Service and Support

Our commitment is not restricted to only ensuring maximum uptime of the compressors but also provide solutions to optimise them. Technology upgrades as well as energy audits are carried by our representatives to suggest the best energy conservation practices.

We offer both standard and customer specific service packages as per requirement. State-of-the-art service center, inspection and testing facilities are equipped to completely overhaul and optimise the compressors.



ENDURANCE

✓ Reliability and efficiency in adverse conditions, high altitudes, high temperatures



RELIABLE

✓ Designed for continuous operation
✓ Minimal vibration and noise
✓ Sophisticated latest - μ control system



EASY TO INSTALL

✓ Ready to install
✓ No special foundations or anti-vibration precautions
✓ Small installation space



ENERGY EFFICIENT

✓ Optimum design to deliver maximum Nm^3/kW
✓ Lower total operating cost
✓ Lower life cycle cost



ENVIRONMENT FRIENDLY

✓ Oil-free
✓ Low carbon footprint

Maintenance Contracts

- **Performance Checkup:** Periodic checkup is necessary to analyse health of compressors and to ensure timely service if required.
- **Spare stock:** Adequate spare inventory with KPCL dealerships ensure timely supply at the time of requirement, avoiding delay.
- **Energy audits:** Certified KPCL representatives are equipped with various flowmeters, data loggers and other related audit instruments to carry out these audits. Complete audit of the plant is also carried out and suggestions for energy conservation are shared with the customer.
- **Scheduled Services:** Breakdowns lead to heavy losses which can be prevented by periodic services. Annual contracts indicate regular intervals when services are to be carried out and ensure longer uptime.
- **On call services:** Unexpected breakdowns can cause severe production losses. We make sure every emergency call is addressed with priority.

Training Programs

- **Classroom:** An In house training center caters to requirement of training to customer's user and maintenance staff. These programs give complete information about the principles of operation of the compressors and maintenance procedures.
- **Onsite:** Training staff provides live demonstration in the factory premises and also provides training at customer works, if required.
- **Training Calender:** To participate in training, please contact us for Training Calender.

Note: Catalogue up-gradation is a continuous process, details may change without prior notice.



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An IMS Certified Company

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