



# COMPRESSOR REPLACEMENT PARTS



**Valve assemblies**  
**Valve Components i.e:**

- **Seat Plates**
- **Channels**
- **Channel Springs**
- **Wear Springs**
- **Guide & Guide Inserts**
- **Valve Plates**  
**( Metallic & Non-metallic )**
- **Spring Plates & Springs**
- **Lift Washers**
- **Unloaders**
- Piston Rings**
- Sealing Rings**
- Rider Rings**
- Gland Packing Rings**
- Oil Scraper Rings**
- Valve Covers**
- Cylinder Liners**
- Main Bearings**
- Big End Bearings**
- Small End Bushes**
- Inter / After Coolers**
- Crank Shafts**
- Pistons**
- Piston Rods**
- Cross Heads**
- Pins**
- Gaskets**
- Oil Seals**
- 'O' Rings etc.**

## **TRUST THE 'ORIENTAL' RANGE OF SPARES FOR THE FOLLOWING**

### **EQUIPMENT**

#### **(RECIPROCATING):**

Compressors, Pumps, Expansion Engines  
 (Lubricated as well as non-lubricated).

#### **SERVICE:**

Air, Acetylene, Argon, Carbon Di-Oxide,  
 CNG, Hydrogen, L.P.G., Nitrogen, Oxygen,  
 Sulphur Di-Oxide and other gases as well as  
 Cryogenic liquids.

#### **MAKE (INDIAN):**

B.P.C.L., B.O.C. (INDIAN OXYGEN),  
 CHICAGO PNEUMATIC TOOLS (CPT), ELGI,  
 HOLMAN-CLIMAX, INGERSOLL-RAND,  
 INDIAN COMPRESSORS (DIDWANIA), K.G.  
 KHOSLA, KIRLOSKAR PNEUMATIC etc.

#### **MAKE (INTERNATIONAL):**

ABC, ARIEL, ATLAS COPCO, BELLISS &  
 MORCOM, BLACKMER, BORSIG,  
 BURCKHARDT, BURTON CORBLIN, CHICAGO  
 PNEUMATIC, CLARK, CORKEN, CREPPELLE,  
 COOPER-BESSEMER, COMPAIR REAVELL,  
 DEMAG, DRESSER-RAND, HAMWORTHY, IHI  
 (JAPAN), INGERSOLL-RAND, JOY, KAJI, KOBE,  
 KWANGSHIN, LINDE, MAN-GHH, MEHRER,  
 NEUMAN & ESSER, NORWALK, NUOVO  
 PIGNONE, PETER BROTHERHOOD, RUSSIAN,  
 SIAD, SULZER, THOMASSEN, WHITE  
 SUPERIOR, WORTHINGTON,  
 WURZEN (GDR) etc.

#### **MATERIAL OF CONSTRUCTION:**

CAST IRON, CARBON STEEL, STAINLESS  
 STEEL, BRONZE, BRASS, COPPER (SOLID  
 & FILLED), ALUMINIUM ALLOY, PTFE  
 (CARBON, GLASS OR BRONZE-FILLED),  
 PEEK, SOFT IRON, BABBITT,  
 GRAPHITE, etc.

**'ORIENTAL'** group was established in 1965 and was one of the first Indian ventures for manufacture of replacement parts for mainly imported compressors. Due to excellent quality of its products, **'ORIENTAL'** soon became a trusted name among actual users. Over the years, **'ORIENTAL'** group grew in strength and started manufacturing spares for indigenous compressors also. To meet the growing need from users, it also diversified into replacement parts of other equipment like screw compressor, reciprocating pumps, expansion engines etc. Today, **'ORIENTAL'** is a multi-dimensional group of companies manufacturing whole range of replacement parts for compressors of all models and services. Its fully equipped manufacturing facility is geared to develop and manufacture spares exactly as per the requirements of its valued customers, big and small alike. Its team of highly experienced and skilled engineers are ready to assist customers in development of components for critical applications. Today, the satisfied users of **'ORIENTAL'** make spares are not only limited to India but also located abroad.



## VALVES AND VALVE COMPONENTS

Compressor Valves are referred as the 'heart' of compressors and the success of even the best designed Valve depends on good manufacturing. The first consideration of good manufacturing is to start with good quality material and **'ORIENTAL'** ensures that material used for every component is of best quality and free from any defect. The material of composition includes Cast Iron, Carbon Steel, Stainless Steel, Alloy Steel, Bronze, Peek etc. depending on operating parameters. All components are precision-engineered and tested at every stage. **'ORIENTAL'** manufactures a complete range of Compressor valves including all types in common use (ported plate, channel, concentric ring, feather strip etc.) **'ORIENTAL'** valves are successfully performing at different operating



pressures from vacuum to 8000 psig and for Compressors upto a speed as high as 1500 RPM. Careful selection of material enables **'ORIENTAL'** to manufacture Valves for all applications from bone-dry to wet and corrosive gases. Complete valve assemblies are tested for leakages before despatch. All Valve Assemblies and Components are not only physically interchangeable with original equipment, they are also equal in performance, efficiency and service life.



## PISTON RINGS & RIDER RINGS GLAND PACKING RINGS OIL SCRAPER RINGS

**'ORIENTAL'** offers rings for a wide variety of service applications, operating pressures and temperatures etc., for both lubricated and non-lubricated service. Rings are made from Cast Iron, Bronze, Babbitt, filled-PTFE Compound, PEEK etc., to perfectly suit the equipment. Adjustments in dimensions are made from the original as required to ensure optimum performance even with an old machine. Careful selection of material and precision engineering by **'ORIENTAL'** ensure better sealing and higher compressor efficiency.







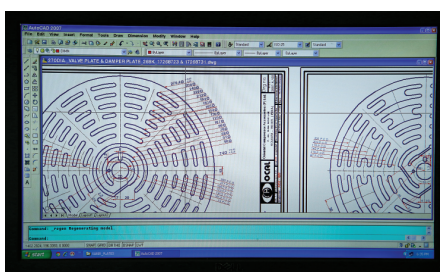
## GASKETS, BEARINGS, O-RINGS AND SPECIAL ITEMS

'ORIENTAL' manufactures a wide range of gaskets, made from compressed asbestos, soft iron, solid copper, asbestos-filled copper, aluminium etc. 'O' Rings of silicon rubber, neoprene rubber, viton rubber etc. are also developed to withstand severe operating conditions. Bearings made from graded bronze, babbitt or aluminium alloy are manufactured to perfect dimensional tolerance. 'ORIENTAL' also undertakes development and manufacture of special items like Piston Rods, Gudgeon Pins, Cylinder Liners etc., as per the requirement of actual users. ORIENTAL can take up Piston & Piston Rod assembly by shrink fitting which involves sophisticated technology.



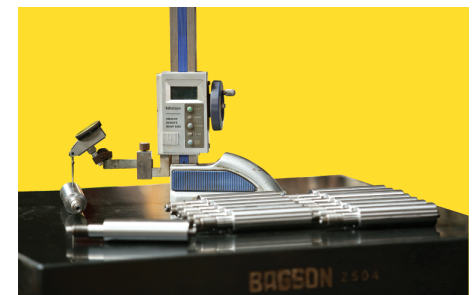
## DESIGN AND DEVELOPMENT

'ORIENTAL' is well-known among actual users for its capability of design and development. 50 years of experience is backed by in-house design and drawing facilities. Several critical valve problems have been solved by 'ORIENTAL' by using superior material and improved design. ORIENTAL has the proud record of developing oversized or undersized parts as per customer requirement.



## MANUFACTURING AND TESTING

'ORIENTAL' is an ISO 9001:2008 organisation. It has in-house facilities for precision engineering including heat-treatment furnace, grinding, lapping, deburring machines, precision lathe and milling machines etc. Arrangement is available for testing chemical composition, flaw detection by ultrasonic method, optical flatness testing, hardness testing etc, to ensure products free from defects. Quality of all raw material is tested even at procurement stage and only zero-defect material is allowed for processing. 'ORIENTAL' can provide its own material, test certificates, fitment certificates, hardness test certificates, guarantee certificates etc.



## CUSTOMER SERVICE

The computerised Data Bank of 'ORIENTAL' memorises details of requirement for every individual customer to ensure prompt delivery. All regular components can be supplied directly as per original part numbers. Stock is maintained for all fast moving items to meet emergency requirements of customers. Modern communication facilities including Fax, Voice-mail, E-mail bring 'ORIENTAL' at the doorstep of customers all over the world.



We welcome your enquiry indicating Make, Model, Part Nos. (where available), descriptions and quantity. We also develop spares exactly as per your requirement on the basis of drawing and sample.

**Oriental** is an independent manufacturer.  
OEM names are for reference only.



# ORIENTAL CUSTOMERS GLOBALLY



**Exporting to 70+ Countries**

## SALES & SERVICES TO INDUSTRY

- COMPRESSOR MANUFACTURER (OEM)
- CEMENT & CERAMIC
- CHEMICAL & FERTILIZER
- DAIRY, FOOD & BEVERAGE
- DEFENCE & ATOMIC ENERGY
- ENGINEERING & AUTOMOBILE
- GARMENT & KNITTING
- GLASS & POLYMER
- INDUSTRIAL GAS, L.P.G. & C.N.G.
- IRON & STEEL
- METALS & ALLOYS
- OIL & GAS
- PAPER & BOARD
- PETROCHEMICAL & REFINERY
- PHARMACEUTICAL & HOSPITAL
- POWER & ENERGY
- SHIPPING & RAILWAYS



### **Oriental Compressor Accessories Pvt. Ltd.**

**Manufacturer, Exporter & Importer of Compressor Spares. Servicing & Troubleshooting of Compressors**

(An ISO 9001:2015 Certified Company)

Products from MSME Registered Organisation

Regd. Office: P-46A, Radha Bazar Lane, Kolkata 700001, INDIA

p # +91 33 4005 4700, 2225 4461 ☎ +91 9831619992

e: [oriental@compressor.in](mailto:oriental@compressor.in), w: [www.compressor.in](http://www.compressor.in)

#### **Representative in India**

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Sloan Lubricators - USA [www.sloanlubrication.com](http://www.sloanlubrication.com)

FLEXWARE Inc. USA (Centrifugal Compressor & Turbine Engineers) [www.flexwareinc.com](http://www.flexwareinc.com)