

PERFORMING
UNDER PRESSURE

OF Series
Oil Free Compressors

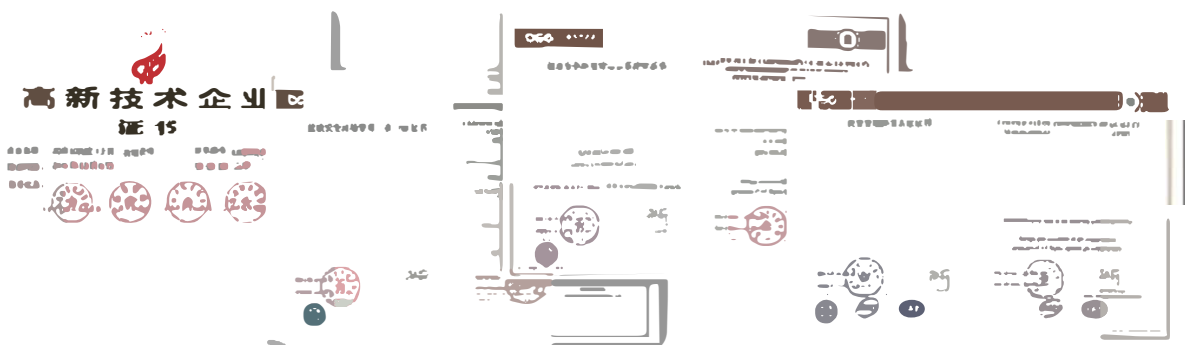
 **Crownwell**



 **Crownwell**



- CROWNWELL is a professional compressor manufacturer in the world, located in Shanghai covering an area of 10000 m² and we have ability to design, manufacture and test high compressors under 400KW
- We specialize in the design, processing and manufacturing of gas compressors. Our business idea is to offer most reliable compressors, professional and economical solutions.
- We have passed ISO9000, GC, HSE audit. We successfully became Certified suppliers of CNPC, CNOOC and SINOPEC and we have a solid reputation for high quality products.



Crownwell Specialists in Medium and **High Pressure Compression**

For different gas applications



Applications

- Nitrogen Booster
- Oil free air Booster
- Helium Recovery
- Argon Recovery
- Mixed gas recovery
- Wellhead Compressor
- Casing head Compressor
- Vapor Recovery
- Flare gas Recovery

Committed to providing high-quality gas compressor products, the production and processing of core components in CROWNWELL compressors are independently completed within CROWNWELL factory.

Sophisticated processing equipment and rigorous inspection methods ensure the consistent quality of each component.

The careful selection of materials and components ensures that each CROWNWELL compressor operates efficiently and reliably under the most demanding operating conditions

From compressor block, compressor package to gas systems, CROWNWELL offers a diverse range of products and services to meet the diverse needs of customers.



OF Series Oil-free Compressors

[Overview Product Range]

The OF series oil-free gas compressors are cylinder oil-free lubrication design to avoid gas pollution caused by lubricating oil and does not require filtration or purification equipment. The OF compressors have higher energy efficiency, lower maintenance costs, and less environmental pollution, and is widely used in various gas compression fields.

- Modular design blocks, with options for single stage compression, two-stage compression, and three-stage compression based on compression ratio, providing strong flexibility.
- Fully air-cooled design, efficient air-cooled cylinder, no need for complex cooling water system, suitable for outdoor use.
- The OF series compressor comes with a true distance piece and packing case design, the crankshaft, connecting rod, and cross head are lubricated with oil, and the compression cylinders and packings are non-lubricated.
- Max. discharge: 15MPa.
- Low maintenance.
- Heavy-duty design suitable for continuous operation.
- Dynamic balance design, low vibration, no special foundation required.



 **Crownwell** offers field

proven Oil free Compressors system in skid-mounted

*configurations that combine ruggedness with simplicity of
design for low maintenance and long life*

[Design Features]

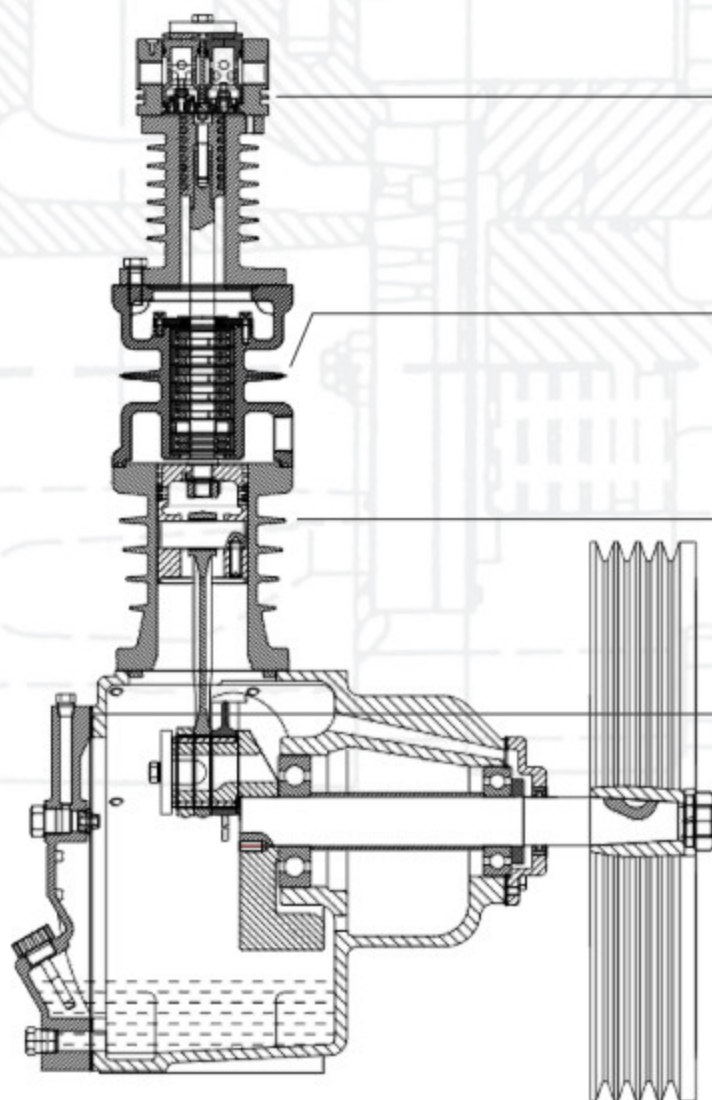
Our universal module design brings more flexibility and simplicity to adjusting the combination of pistons, cylinders, and valves, enabling us to provide customers with the most efficient and economical system.



- Oil free lubrication block ensures that no lubricating oil enters the back-end system.
- Modular design blocks, flexible and diverse cylinder configurations.
- Overall packaged design, single point connection, and convenient installation.
- No special foundation requirement, low installation costs
- Aircooled cylinders and coolers eliminate the need for cooling water to avoid scaling.
- Easy maintenance and minimal workload.
- Heavy duty design, sturdy and durable.
- Multiple driving methods are available for selection.
- Fully automatic PLC control system, monitoring various parameters of the compressor, automatically controlling the start, stop, loading and unloading of the compressor.

OF Series Oil-free Compressors

[Modular design Oil-Free compressor]



- **Cylinders**

The cylinders adopt an oil-free lubrication method, and the piston rings are made of self-lubricating materials.

- **Packing case**

The packing adopts an oil-free lubrication design to separate cylinders and crankcase

- **Crosshead**

The crosshead is a component that converts the rotary motion of the crankshaft into reciprocating motion.

- **Crankcase**

The heavy-duty crankcase and crankshaft design ensures the high reliability of the system for continuous and heavy-duty operation.

Oil free Compressors system with a Reputation for
Innovation, Quality and Reliability

[Medium]

- Air
- Nitrogen
- Helium
- Argon
- Ne
- Carbon dioxide
- Natural gas
- Associated gas
- others



OF series compressors

Stages: 1, 2, 3

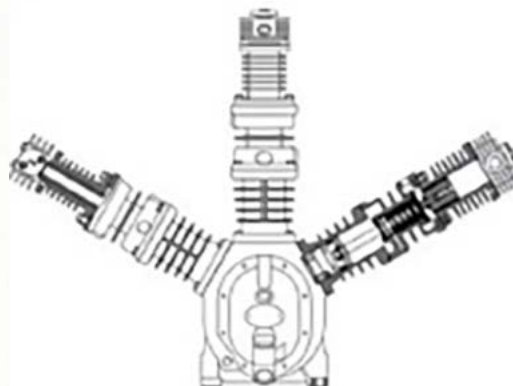
RPM: 600-1000RPM

Suction pressure: 0-40Bar

Discharge pressure: 2-150Bar

Max. HP: 15KW

Cooling: air



**Whether you require atmospheric intake or boost compression,
please contact High Air for appropriate selection.**

FOR MORE THAN 30 YEARS
WE'VE BEEN FINDING BETTER WAYS
TO COMPRESS AIR & GAS

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HIGH PRESSURE

HIGH QUALITY

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