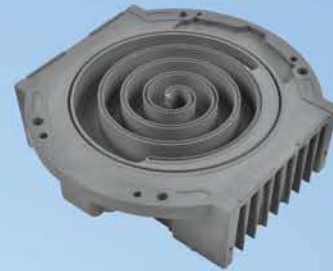


THE FOURTH GENERATION OF 100% OIL-FREE SCROLL COMPRESSOR AIR END



FIXED SCROLL

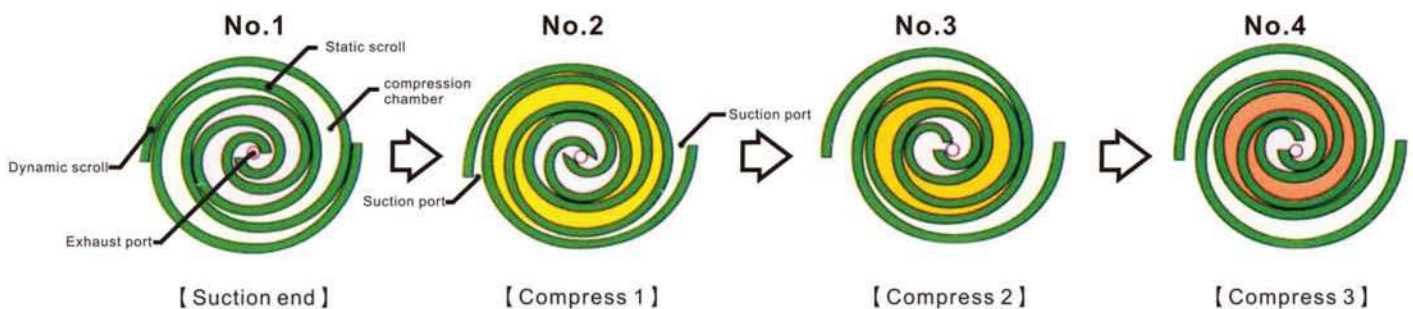


ORBITING SCROLL

Technical parameter

Rated/Max. pressure	0.7/0.8MPa
Air flow	0.6M ³ /min
Drive mode	Belt drive
Exhaust air temperature	170°C
Power	5.5KW
Speed	3300r/min
Weight	28KG
Size	430x410x353mm

Scroll compression principle



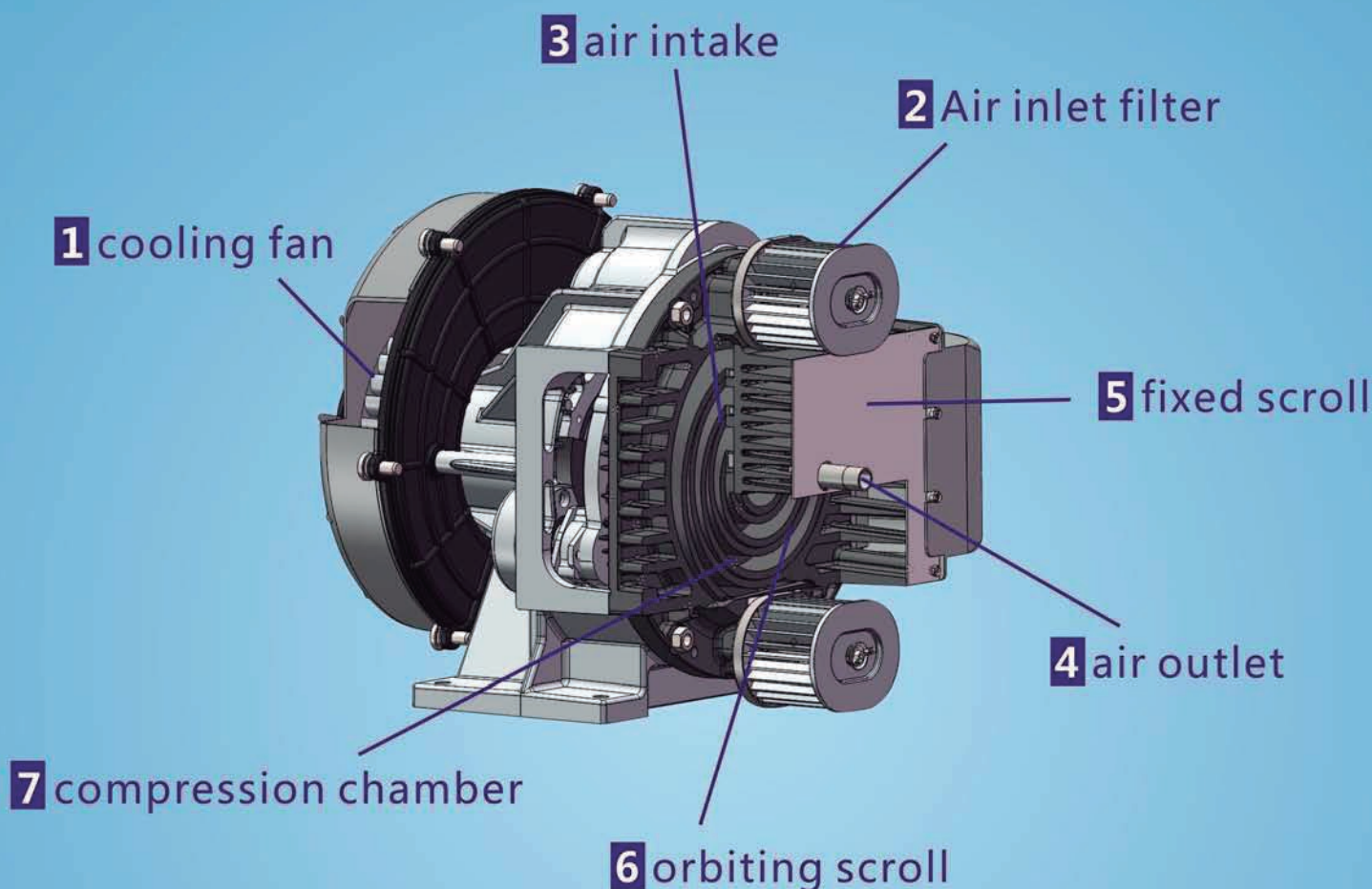
Compressing mechanism

Dynamic scroll in accordance with the above order No.1 → No.2 → No.3 → No.4 rotation, so crescent-shaped compression chamber capacity of the location with point symmetry will gradually decrease, gas after compressing discharge from the central exhaust port.

Oil-free scroll air compressor

Lead to revolution for air compressor

罗德康普®
LUO DE KANG PU
ROTORCOMP (Shanghai)



8

Major Advantages

- Smaller footprint, save more space in compressor room
- Fewer components, higher reliability
- Lower sound level, healthy work environment
- Perfectly applicable to all industries
- Less consumables, longer service life
- No metal friction, less maintenance
- Oil-free compression, no pollution
- Zero emission, green and environmental-friendly

Rotorcomp Scroll Compressor-small

THE FOURTH GENERATION OF 100% OIL-FREE SCROLL AIR COMPRESSOR

Features of oil-free scroll air compressor:

- 1. Air system no oil, no carbon pollution, more cleaner
- 2. Fewer parts, simple structure, high reliability, long life
- 3. No need to replace the lubricating oil and oil filter, no waste disposal problems, and more environmentally friendly
- 4. When working, the orbiting and fixed scroll no contact, small vibration, low noise.
- 5. Operating costs is very low, per year it can save tens of thousands of dollars of electricity for you.
- 6. Almost no wearing parts, maintenance workload is very few, lower maintenance cost.
- 7. Multi drive control : Depending on the air requirement, the PC board controls the running of the number of scroll heads. This function not only saves energy but also optimizes the operation by keeping to the required pressure.
- 8. Scroll design optimization and ultra-precision machining guarantees high efficiency



Product name	oil free scroll air compressor	
Model	RC-O24/08-S1	RC-O36/08-S1
Operation control mode	Pressure start and stop	
Rated discharge pressure (MPa)	0.7	
Maximum discharge pressure (MPa)	0.8	
Air flow(M ³ /min)	2.4	3.6
Start running speed(r/min)	3300	
Drive mode	Belt drive	
Exhaust air temperature (°C)	≤ambient temperature + 10 °C	
Exhaust outlet diameter (Inch)	1" ball valve	1" 1/2 ball valve
Volume of the air tank (L)	/	/
Noise dB(A)	70	75
Supporting type of motor	Three-phase asynchronous motors	
Motor rated output (KW)	22KW/30HP	33KW/45HP
Motor frequency (HZ)	50	
Motor voltage (V)	380	
Motor rated current(A)	45.6	68.4
Outline dimension (mm)	1300x1300x1260	1370x1500x1650
Weight(kg)	1160	1300

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- Zero emission, green and environmental-friendly



RC-Y06/08-Y1



RC-Y06/08-S1



Stainless steel air tank

RC-Y06/08-Y1-B



Stainless steel air tank

RC-Y06/08-S1-B

Product name	Movable oil free scroll air compressor	
Model	RC-Y06/08-S1	RC-Y06/08-Y1
Operation control mode	Pressure start and stop	
Rated discharge pressure (MPa)	0.7	
Maximum discharge pressure (MPa)	0.8	
Air flow(M ³ /min)	0.6	0.6
Start running speed(r/min)	3300	
Drive mode	Belt drive	
Exhaust air temperature (°C)	≤ambient temperature + 15 °C	
Exhaust outlet diameter (Inch)	3/4 " ball valve	3/4 " ball valve
Volume of the air tank (L)	210	110
Noise dB(A)	65	75
Supporting type of motor	Three-phase asynchronous motors	
Motor rated output (KW)	5.5KW/7.5HP	5.5KW/7.5HP
Motor frequency (HZ)	50	
Motor voltage (V)	380	
Motor rated current(A)	11.4	11.4
Outline dimension (mm)	1280x570x1020	1200x500x910
Weight(kg)	220	170

THE FOURTH GENERATION OF 100% OIL-FREE SCROLL AIR COMPRESSOR

罗德康普
LUO DE KANG PU
ROTORCOMP (Shanghai)



Zero emissions
Green
environmental
protection

Low noise
Mute
environmental
protection

Low power
consumption
Energy saving and
environmental
protection

Maintenance
free
Lower cost

Food-grade
ventilation
pipe fittings

OIL-FREE SCROLL AIR COMPRESSOR

1. Multi-functional intelligent automatic controller, Simple operation, in Daily work just need to press START-STOP switch, mechanical working state such as current, pressure and temperature etc. full information display.
2. The compression chamber of the machine does not contain any oil, compressed gas is clean without pollution.
3. Low noise, can be close to supply gas directly, save pipe installation, reduce the loss of transmission of energy consumption.
4. No touch in the operation, no wearing parts, exhaust continuously and stable.
5. The maintenance cost is very low, only need to do the normal maintenance and cleaning filter
6. Energy utilization rate is above 90%, compared with the same power to other types, its energy efficiency save more than 15%.



Model	RC-O06/08-S1	RC-O12/08-S1	RC-O18/08-S1	RC-O24/08-S1	RC-O30/08-S1	RC-O36/08-S1
Operation control mode	pressure start and stop					
Rated discharge pressure Mpa	0.75					
The maximum discharge pressure Mpa	0.8					
Exhaust volume M ³ /min	0.6	1.2	1.8	2.4	3	3.6
Startup running speed r/min	3300					
Drive mode	Belt drive					
Exhaust air temperature °C	≤80°C					
Exhaust outlet diameter Inch	3/8 Ball valve	1/2 Ball valve	3/4 Ball valve	1 Ball valve	1 1/2 Ball valve	1 1/2 Ball valve
Volume of the gas tank L	24	24	/	/	/	/
Noise dB(A)	60	65	68	70	72	75
Supporting type of motor	Three-phase asynchronous motors					
Motor rated output KW	5.5	11	16.5	22	27.5	33
Motor frequency Hz	50					
Motor voltage V	380					
Motor rated current A	11.4	22.8	34.2	45.6	57	68.4
Outline dimension mm	720×760×1150	1250×760×1090	1250×760×1560	1250×1360×1090	1250×1360×1560	1250×1360×1560
Weight kg	250	440	630	820	1010	1200

APPLICATION FIELD



4S AUTOMOBILE DEALER



Precision equipment (air track, grating gas seal etc. oil-free dry gas source)



Medical equipment (dentists, medical gas source such as oxygen)



Electronics industry (clean gas for assembly)



Pharmaceutical industry (The mixing of the pharmaceutical industry)



Food industry (The mixing of the brewing industry)



Textile industry (air-jet loom)

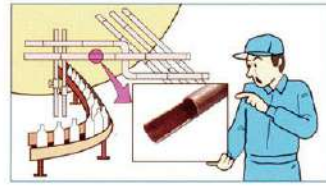


Gas separation equipment (adsorption and membrane separation of oxygen and nitrogen)

Whether your company's equipment had such situation ?

Air piping is dirty?

Once mixed with bacteria and other substances, also can cause health problems. Please check the inside of air piping. Dirty degree in Piping inside is beyond expected. In the "gas" like dirt formed by rust, oil, water and so on, you can see there are bacteria mixed.



Are there smell in the factory?

May be the smell emitted by the compressor oil. Including cylinders, solenoid valves, a lot of pneumatic devices are used in the production equipment. The compressed air for such pneumatic device power source is mainly through the solenoid valves to the production site exhaust. The air compressed by refueling compressor contains the odor emitted by the compressor oil.



You worry for drainage?

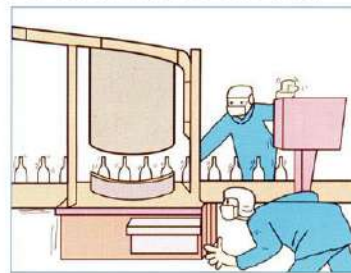
This is a closely related to cost control and environmental protection issues. The water discharged by refueling compressor containing oil, for this kind of liquid containing oil must be treated properly.

- Properly handle**
- Remove oil with the help of drainage treatment tank
 - Treat as an industrial waste
- The relevant laws and regulations**
- 《Water pollution prevention law》
 - 《Marine Pollution Prevention Law》
 - 《Soil contamination countermeasures Law》
 - 《Sewer Law》
 - The law relevant with waste disposal, cleaning.



Whether the equipment failure occurred frequently?

For example, in winter mornings production equipment operation is not smooth and so on. Your company had this situation? In winter mornings production equipment operation is not smooth. This is caused by compressor oil that flow into the solenoid valves, cylinders and other pneumatic devices, at night under the action of low temperature, produced the solidification phenomena. With the temperature increasing inside the factory and production equipment, production equipment will start again. "Morning" the most valuable time in one day is occupied by troubleshooting. I do not know if this case had happened in your company?



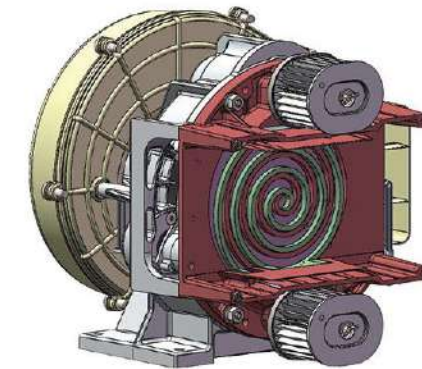
VORTEX COMPRESSION PRINCIPLE



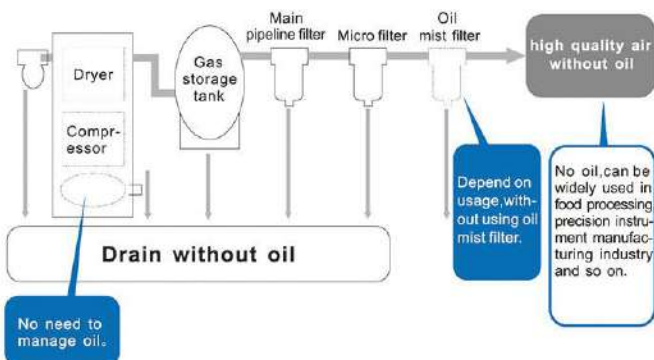
Fixed scroll



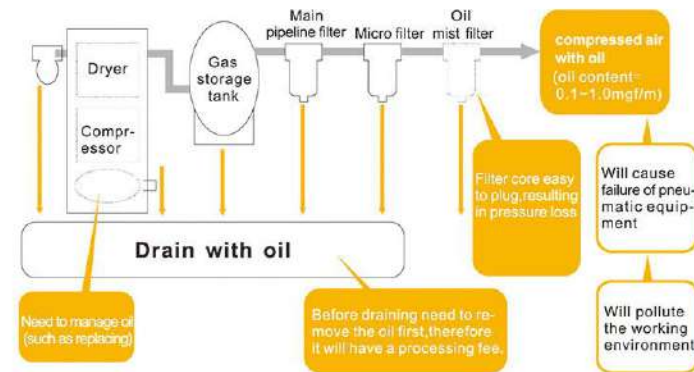
Dynamic scroll



Oil-free compressors pipeline

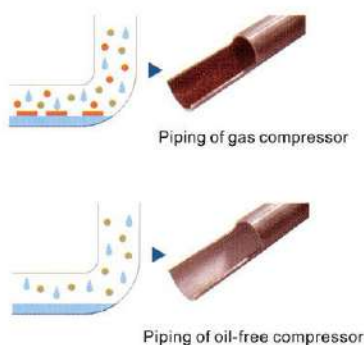


Refueling compressors pipeline



Use oil-free design, ensuring clean air

Gas compressor discharge air containing oil, water and dust. Oil free compressor can supply clean air without oil.



Use oil-free design, will not produce drainage treatment cost.

Drained water from the gas compressors contains oil, so it is necessary for proper discharge of water treatment. If use oil-free compressors, you can drain directly, it will not produce drainage treatment costs, both environmental and economic.

16000 Yuan per year

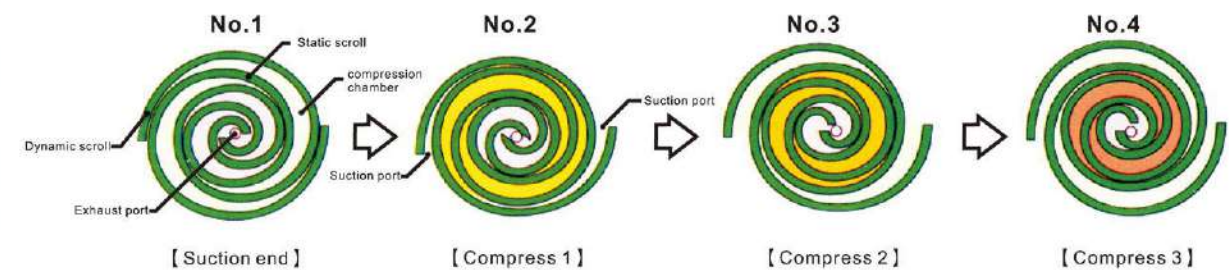


When do the drainage treatment of containing oil, will have larger costs.

<Conditions>

- Air temperature ● 30°C, Relative humidity: 70%
- The amount of air ejection ● 1600L/min
- Ejection pressure ● 0.78MPa
- Dryer pressure dew point ● 12°C
- Load ratio ● 80%
- Running time ● 15hour/day, 300days/year
- Drainage treatment fee ● 2.3Yuan/day

Vortex compression principle



Compressing mechanism

Dynamic scroll in accordance with the above order No.1 → No.2 → No.3 → No.4 rotation, so crescent-shaped compression chamber capacity of the location with point symmetry will gradually decrease, gas after compressing discharge from the central exhaust port.



It's more than just "gas", it's the flow of science and technology.

Research and development leads innovation
innovation casts specialty
specialty achieves quality

ABOUT US

Shanghai rotorcomp screw compressor co., Ltd., headquartered in Shanghai City, China, is a manufacturing enterprise engaged in R&D and design, manufacturing, sales and specialized in scroll air compressor. We are science and technology at the beginning of establishment it was cooperation with Lanzhou University's Institute of modern product design. Completely adhering to the independent intellectual property rights and core technology to research and develop and innovate, and the use of the world's advanced scroll disc compression structure developed oil-free scroll air compressor, products with the advantage of low energy consumption, low noise, zero fuel consumption, supplying gas fast, simple structure, low failure rate, maintenance-free etc.

We have advanced production equipment. Original imported Germany DMG scroll processing machine, special equipment for vortex measurement, special equipment for eccentricity measurement, host testing line, to ensure the stability of production process and the consistency of each index.

It's more than just "gas", it's the flow of science and technology. We are insisted: independent research and development and design, surviving with high quality, developing with scientific and technological innovation, contract and keeping promises. We will create "from industrial manufacturing to high technology industry, you can see the we are technology products everywhere." We will provide high quality products and perfect after-sales service to sincerely cooperate with the customers from all circles to carry out extensive cooperation and work together to create a better future!