



Stability · Energy saving · Innovation

Product Roots from Professional
Quality wins Market
Integrity Casts Brand
Service Creates Value

WATER-LUBRICATED SCREW AIR COMPRESSOR



LUOYOU COMPRESSOR (SHANGHAI) CO., LTD.

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WeChat Official
Account QR code



LUOYOU Official
Website QR Code

EXCELLENT QUALITY

PROFILE
COMPANY



Qualifications

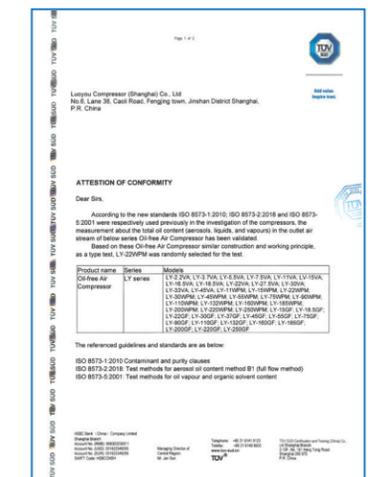
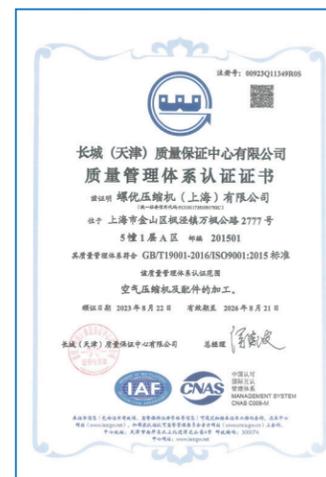


LUOYOU Compressor (Shanghai) Co., Ltd. was established at the beginning of the 21st century, located in the China's financial center - Shanghai, is a professional manufacturer of screw air compressors (oil-free and micro-oil), air blowers, vacuum pumps, scroll machines and large-scale air source equipment such as dryers, refrigerated dryers, filters and tanks. The company adheres to the German industrial advanced design concept and rigorous manufacturing technology, combined with the domestic and international markets, and relying on the company's own strong scientific research strength, constantly updated, and give full play to the advantages of professional design, manufacturing, to ensure that each compressor to reach the international first-class level, reputation and quality has always been in the industry in a leading position.

"LUOYOU" is committed to serving our numerous users around the world, products are widely used in machinery, food, medical, electronics, textiles, automotive, mining, construction, building materials and other industries. With the service tenet of "customer first, credit first, quality first, service first", the business philosophy

of "quality for survival, reputation for development", innovative technology and strong sales and service team, we are dedicated to providing the best solution and service for every customer's compressed air system. LUOYOU is dedicated to providing the best solution and fast quality service for every customer's compressed air system.

"LUOYOU" adheres to the development of technology, continuous innovation, and successively exported products to Asia, Europe, Africa, Oceania and America and other countries and regions. Strictly following the production management under CE and ISO9001 international quality system. LUOYOU ensures every product meets the highest international standards allows the company to continue to maintain its position as an industry leader. With full enthusiasm, sincere cooperative attitude and mutual benefit business philosophy, LUOYOU always warmly welcome customers at home and abroad.



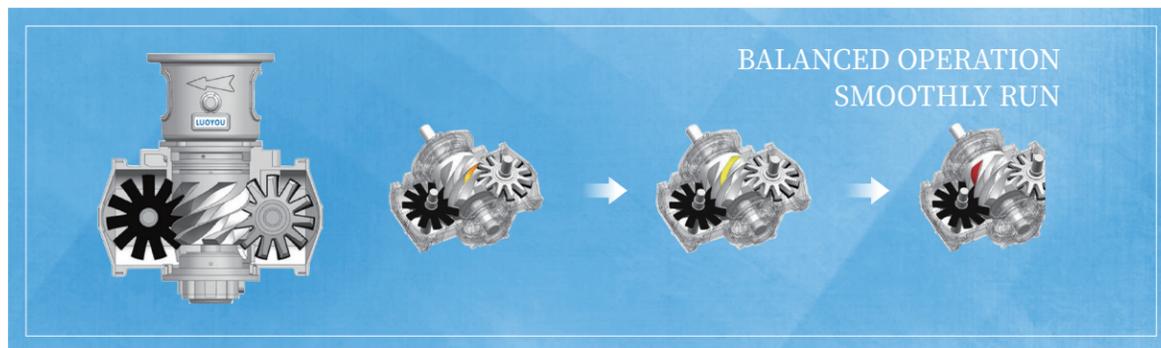
The Technical Advantage of The Luoyou Water Lubricating Oil-free Screw Air Compressors

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- 1 Adopting the fifth generation of oil-free screw compressor technology, the air end and the use of stainless steel alloy, realizing the technology leap from copper air ends to stainless steel ones.
 - 2 Integrated design, no complicated pipelines and lines, fewer failure points, much more stable operation.
 - 3 Fewer maintenance consumables (air filter cores, water filter cores), easy maintenance, no professional operation skill needed, lower maintenance costs.
 - 4 Isothermal compression, higher volumetric efficiency. Compared with the dry oil-free screw compressors, 2-stage compression saves average of more than 15%, and that of sing-stage of more than 25%. The operating temperature stays less than 50°C, there is no risk of being hurt.
 - 5 The compressor system is absolutely oil-free, without any risk of oil contamination, guaranteed 100% oil-free.
 - 6 The compressed air is cleaner after the lubricating water cleaning, and can be used directly for breathing ventilators. Lower dew point of saturated compressed air, and 25% lower water content than ordinary dry screw air compressor.
 - 7 Full CNC intelligent precision machining process to make the air ends running smoothly, lower noise, less vibration and longer service life.
 - 8 10% more FAD flow than dry oil-free screw compressor type compressor on average.
 - 9 Simpler and more convenient operation, with intelligent PLC control, can prompt multiple functions such as automatic fault detection, fault warning, maintenance reminders, fault reminders, automatic protection function, to achieve 24 hours unattended and remote control.
 - 10 Wider working pressure range: 2bar ~ 40bar.
 - 11 Periodic automatic water drainage and automatic system cleaning function can be realized, and keep the compressor interior more tidy and hygienic.
 - 12 Patented mainframe (Patent No.: ZL 201420251586.4) Optimized design, large rotor, low rotational speed (3000r/min or less), no gearbox, direct-driven, lower speed, longer life, compared with those dry oil-free screw compressors (10,000r/min ~ 20,000r/min).

Core Technology, Brand New Upgraded

The Housing, Star wheel and Rotor of the Air Ends are made of stainless steel 304L, which are processed by special CNC machines to ensure that the core components will never scale or rust.

- ▶ The use of water to lubricate is making compressed air with fewer impurities and cleaner;
- ▶ Larger displacement and more energy saving under same circumstance of input power and working pressure compared to dry oil-free screw ones ;
- ▶ The maximum pressure of single-stage compression can reach 16 Bar, and the maximum pressure of two-stage compression can be 40 Bar; Can achieve isothermal compression; Air- cooled compressor air ends' temperature raise will be limited within +22~24 °C above ambient temperature ; Water-cooled compressor air ends temperature raise could be above +14~15 °C;
- ▶ There is no even single drop of oil in the self-lubricating bearing and compression system, to ensure the discharged air is absolutely oil-free and no oil pollution;



Energy Saving, High Efficiency
and Low Cost

Excellent Performance From Top Configuration



- High efficiency host
- Less wear parts of the screw rotor
- Compact structure
- Larger displacement
- Higher stability



- Higher efficiency, stronger performance and excellent motor
- High starting torque
- High insulation grade
- Low noise
- Independent fan cooling safeguards the stable motor running



- Variable frequency driver (VFD)
- Intuitive contact tightness
- Optimized components



- Water and air separation tank
- The efficiency of water-air separation is above 95%
- Low water content in the outlet air
- 304 food-grade stainless steel
- Equipped with safety valve and pressure gauge

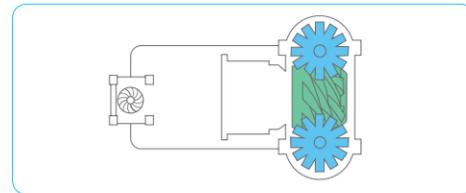
PROMOTE ENERGY-SAVING AIR COMPRESSOR INNOVATION
Brand + Scientific Research + Production Capacity + Full Chain Quality Control

LUOYOU

Rigorous Manufacturing Process Complied with ISO9001 Standard

Strict Manufacturing Processing

Striving for excellence, each part is strictly tested, from raw materials to finished parts, each procedure is well-controlled to ensure the top grade, and optimized for design to ensure more durability.



Ultra-quiet Design of the Whole Machine

The whole machine chassis adopts ultra-quiet design, low speed and large air volume cooling fan, extra-large cooler to reduce air convection friction, resulting excellent cooling effect.



Humanized Structure Design

Human-based structural design, easy to installation, simpler maintenance, low maintenance costs, the user can guided by our maintenance specialist, perform maintenance without professional knowledge.



Ultra Clean Air Compression System and Compressed Air

Stainless steel alloy material is utilized inside the whole system to ensure durability and non-corrosive, prolonged service life, to ensure zero pollution compressed air, more energy-saving, stable operation and environmental-friendly.

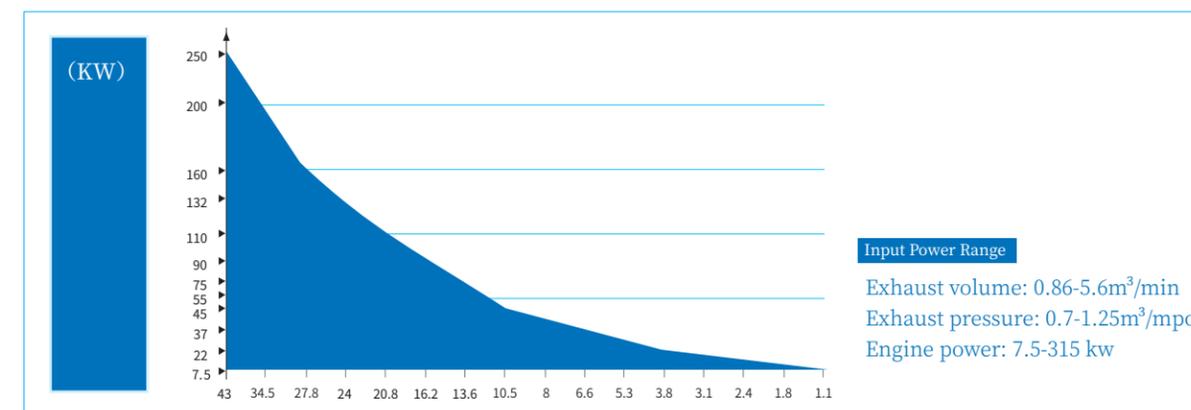
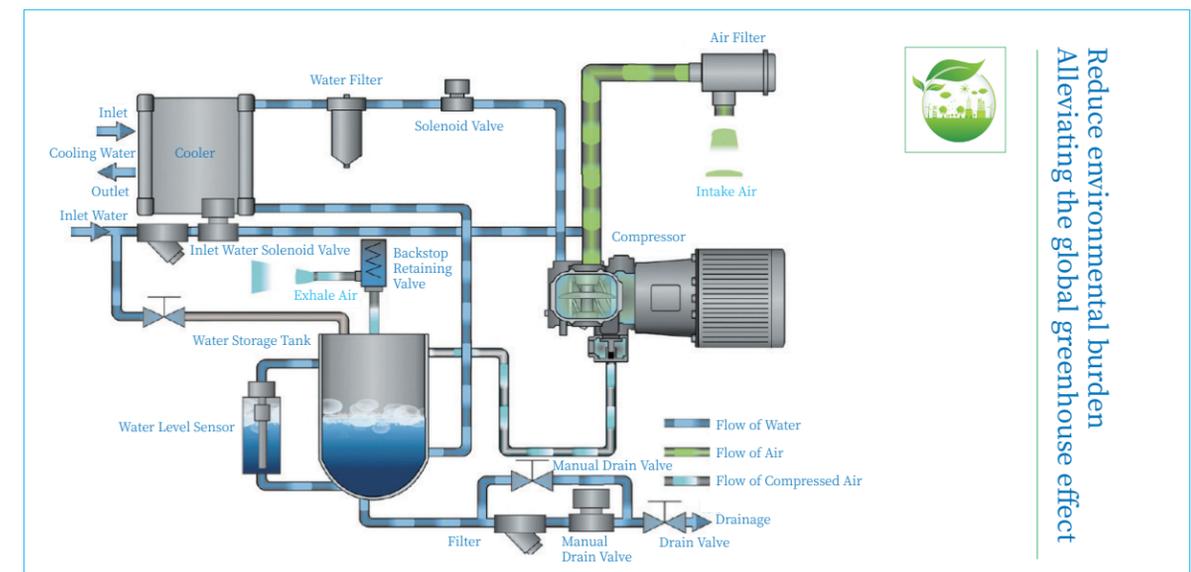
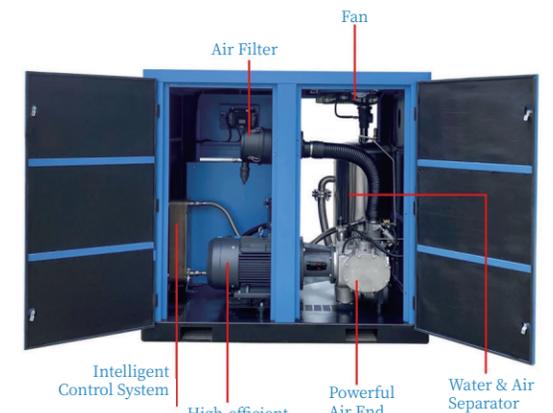


Oil-free Water-lubricating Air Compression System

Strict Manufacturing Processing



Internal Structure Display



Parameters of Normal Pressure Water-lubricated Air Compressors

Model	Power (KW)	Pressuer (bar)	Air Flow (m³/min)	Noise Level dB(A)	Outlet Connection	weight (kg)	Lubricating Water(L)	Filter Element (B)-(Z)	Dimension LxWxH (mm)
LY-7.5-WPM-8	7.5	8	1.00	60	RP3/4	300	22	(25cm)1	1000x720x1050
LY-7.5-WPM-10		10	0.80						
LY-11-WPM-8	11	8	1.60	63	RP3/4	350	22	(25cm)1	1156x845x1250
LY-11-WPM-10		10	1.40						
LY-15-WPM-8	15	8	2.50	65	RP1	510	28	(50cm)1	1360x945x1260
LY-18-WPM-8	18	8	3.00	67	RP1	600	33	(50cm)1	1520x1060x1390
LY-18-WPM-10		10	2.50						
LY-22-WPM-8	22	8	3.60	68	RP1	650	33	(50cm)1	1520x1060x1390
LY-22-WPM-10		10	3.20						
LY-30-WPM-8	30	8	5.00	69	RP11/4	800	66	(25cm)5	1760x1160x1490
LY-30-WPM-10		10	4.50						
LY-37-WPM-8	37	8	6.20	71	RP11/4	850	66	(25cm)5	1760x1160x1490
LY-37-WPM-10		10	5.80						
LY-45-WPM-8	45	8	7.30	74	RP11/2	1050	88	(25cm)5	1760x1160x1490
LY-45-WPM-8	45	8	7.30	74	RP11/4	1200	88	(25cm)5	1760x1160x1490
LY-45B-WPM-8	45	8	8.10	74	RP2	1020	110	(50cm)5	1900x1250x1360
LY-45B-WPM-8	45	8	8.10	74	RP2	2000	110	(50cm)5	2350x1250x1880
LY-55-WPM-8	55	8	10.0	74	RP2	1020	110	(50cm)5	1900x1250x1361
LY-55-WPM-10		10	9.00						
LY-55-WPM-8	55	8	10.0	74	RP2	1430	110	(50cm)7	2350x1250x1880
LY-75-WPM-8	75	8	13.0	75	RP2	1330	110	(50cm)5	1900x1250x1361
LY-75-WPM-10		10	10.0						
LY-75-WPM-8	75	8	13.0	75	RP2	1640	110	(50cm)7	2550x1620x1880
LY-90-WPM-8	90	8	15.0	76	RP2	1260	110	(50cm)5	1990x1250x1361
LY-90-WPM-10		10	12.8						
LY-90-WPM-8	90	8	15.0	76	RP2	1620	110	(50cm)7	2550x1620x1880
LY-110-WPM-8	110	8	20.0	78	DN65	1790	130	(50cm)12	2200x1160x1735
LY-110-WPM-10		10	17.8						
LY-110-WPM-8	110	8	20.0	78	DN65	2320	130	(50cm)12	3000x1700x2250
LY-132-WPM-8	132	8	23.0	80	DN65	2070	130	(50cm)12	2200x1600x1735
LY-132-WPM-10		10	19.0						
LY-160-WPM-8	160	8	26.0	82	DN65	2900	165	(50cm)12	2200x1600x1735
LY-185-WPM-8	185	8	30.0	83	DN100	3300	180	(50cm)22	2860x1800x1945
LY-200-WPM-8	200	8	33.0	83	DN100	3000	180	(50cm)22	2860x1800x1945
LY-220-WPM-8	220	8	36.0	85	DN100	4500	180	(50cm)22	2860x2000x2300
LY-250-WPM-8	250	8	40.0	85	DN100	4700	180	(50cm)22	2860x2000x2300
LY-315-WPM-8	315	8	50.0	90	DN100	5000	180	(50cm)22	2860x2000x2300

The volume flow parameter is the maximum volume flow rate that can be generated by this compressor under specified working conditions (JB/T11882-2014 standard requirements: suction absolute pressure 0.1Mpa/ suction temperature 20°C / suction relative humidity 0). Cooling method Air cooling or water cooling. Variable frequency start. Some parameters or requirements can be changed according to actual needs, please refer to the pre-sales technical communication.

Parameters of Medium Pressure Series Water Lubricated Air Compressor

Model	Power (KW)	Pressuer (bar)	Air Flow (m³/min)	Noise Level dB(A)	Outlet Connection	weight (kg)	Dimension LxWxH (mm)
LY-52-WPM-6.0/2.0	37+15	20	6.0	70	DN25	1820	3000x1400x1700
LY-52-WPM-6.0/2.0						1400	2900x1400x1700
LY-59-WPM-6.0/2.0	37+22	30	6.0	70	DN25	2000	3000x1400x1700
LY-59-WPM-6.0/2.0						1700	2900x1400x1700
LY-67-WPM-6.0/2.0	37+30	40	6.0	70	DN25	2100	3000x1400x1700
LY-67-WPM-6.0/2.0						1800	2900x1400x1700
LY-77-WPM-6.0/2.0	55+22	20	10.0	73	DN32	3000	3600x1750x2000
LY-77-WPM-6.0/2.0						2200	3500x1500x1730
LY-92-WPM-6.0/2.0	55+37	30	10.0	73	DN32	3000	3600x1750x2000
LY-92-WPM-6.0/2.0						2300	3500x1500x1730
LY-112-WPM-6.0/2.0	75+37	40	10.0	73	DN32	3400	4000x1750x2030
LY-112-WPM-6.0/2.0						2400	3500x1500x1730
LY-105-WPM-6.0/2.0	75+30	20	13.0	75	DN40	3500	4000x1750x2030
LY-105-WPM-6.0/2.0						2700	3500x1500x1730
LY-120-WPM-6.0/2.0	75+45	30	13.0	75	DN40	3500	4000x1750x2030
LY-120-WPM-6.0/2.0						2950	3500x1500x1730
LY-135-WPM-6.0/2.0	90+45	40	13.0	75	DN40	3000	3500x1500x1730
LY-127-WPM-6.0/2.0	90+37	20	16.0	77	DN40	3300	4000x1700x1800
LY-145-WPM-6.0/2.0	90+55	30	16.0	77	DN40	3500	4000x1700x1800
LY-165-WPM-6.0/2.0	110+55	40	16.0	77	DN40	3500	4000x1700x1800
LY-165-WPM-6.0/2.0	110+55	20	20.0	78	DN50	3650	4000x1700x1800
LY-185-WPM-6.0/2.0	110+75	30	20.0	78	DN40	4000	4000x1700x1800
LY-207-WPM-6.0/2.0	132+75	40	20.0	78	DN40	4000	4000x1700x1800
LY-197-WPM-6.0/2.0	132+65	20	24.0	78	DN50	4500	4000x1800x2100
LY-222-WPM-6.0/2.0	132+90	30	24.0	78	DN50	4500	4000x1800x2100
LY-250-WPM-6.0/2.0	160+90	40	24.0	78	DN50	4600	4000x1800x2100
LY-220-WPM-6.0/2.0	185+55	20	28.0	78	DN65	4600	4200x2000x2100
LY-260-WPM-6.0/2.0	185+75	30	28.0	78	DN50	4700	4200x2000x2100
LY-290-WPM-6.0/2.0	200+90	40	28.0	78	DN50	4800	4200x2000x2100
LY-295-WPM-6.0/2.0	185+110	20	36.0	80	DN65	5000	4500x225000x2200
LY-317-WPM-6.0/2.0	185+132	30	36.0	80	DN65	5000	4500x225000x2200
LY-360-WPM-6.0/2.0	200+160	40	36.0	80	DN65	5000	4500x225000x2200
LY-330-WPM-6.0/2.0	220+110	20	40.0	80	DN65	5000	4500x225000x2200
LY-352-WPM-6.0/2.0	220+132	30	40.0	80	DN65	5000	4500x225000x2200
LY-405-WPM-6.0/2.0	220+185	40	40.0	80	DN65	5000	4500x225000x2200

The volume flow parameter is the maximum volume flow rate that can be generated by this compressor under specified working conditions (JB/T11882-2014 standard requirements: suction absolute pressure 0.1Mpa/ suction temperature 20 °C / suction relative humidity 0). Cooling method Air cooling or water cooling. Variable frequency start. Some parameters or requirements can be changed according to actual needs, please refer to the pre-sales technical communication.

Low Pressure Water-lubricated Air Compressor Parameters

Application Scenario

LUOYOU Water-lubricated Screw Air Compressor

Meet the Higher Demand of the Industries

Model	Power (KW)	Pressuer (bar)	Air Flow (m³/min)	Noise Level dB(A)	Outlet Connection	weight (kg)	Dimension LxWxH(mm)
LY-15-WPM-4	11	4	2.5	58	RP1	600	1360x945x1260
LY-22-WPM-4	15	4	3.6	60	RP1	800	1520x1060x1390
LY-37-WPM-4	22	4	5.0	61	RP11/4	1050	1760x1060x1490
LY-45-WPM-4	37	4	8.1	65	RP2	1950	2350x1250x1880
LY-45-WPM-4						1150	1900x1250x1361
LY-55-WPM-4	45	4	10.0	70	RP2	2050	2350x1250x1880
LY-55-WPM-4						1200	1900x1250x1361
LY-75-WPM-4	55	4	13.0	71	RP2	2400	2550x1620x1880
LY-75-WPM-4						1550	1900x1250x1361
LY-90-WPM-4	75	4	15.0	75	RP2	2550	2550x1620x1880
LY-90-WPM-4						2000	1900x1250x1361
LY-110-WPM-4	90	4	20.0	77	PR65	3350	3000x1700x2250
LY-110-WPM-4						2550	2200x1600x1735
LY-160-WPM-4	110	4	26.0	77	PR65	2750	2200x1600x1735
LY-185-WPM-4	132	4	30.0	78	RP100	3100	2860x1800x1945
LY-200-WPM-4	160	4	33.0	78	RP100	3300	2860x1800x1945
LY-250-WPM-4	185	4	40.0	79	RP100	4400	2860x1800x1945
LY-315-WPM-4	200	4	45.0	80	RP100	4500	2860x1800x1945
LY-355-WPM-4	220	4	50.0	80	RP100	4600	2860x1800x1945

The volume flow parameter is the maximum volume flow rate that can be generated by this compressor under specified working conditions (JB/T11882-2014 standard requirements: suction absolute pressure 0.1Mpa/ suction temperature 20 °C / suction relative humidity 0). Cooling method Air cooling or water cooling. Variable frequency start. Some parameters or requirements can be changed according to actual needs, please refer to the pre-sales technical communication.



Livery

Compressed air extracts the paint, mixes it, and then sprays it on the workpiece through the spray gun.

- Quality requirements: oil-free, atmospheric dew point -23° C
- Post-processing equipment: Refrigeration dryer, Precision filters
- Applicable industries: General industry, Automotive, and Electronics industry



Dry

Drying takes advantage of the water absorption capacity of the compressed air release process

- Quality requirements: compressed air without oil, atmospheric dew point -40°C
- Post-processing equipment: Adsorption Dryer, Precision Filters
- Applicable industries: Food, Pharmaceutical, and Electronics Industry



Fermentation

Compressed air is fed into the reactor for stirring and bacterial cultivation.

- Quality requirements: no oil in compressed air
- Peripheral equipment: Precision Filter + Activated Carbon
- Applicable industries: Pharmaceutical, and Food Industry



WATER-LUBRICATED SCREW AIR COMPRESSOR



Refrigerated Dryer



Environmental-friendly



High-tech



Low Cost



Low Noise

Biofermentation

All processes and industries involved in fermentation require close monitoring of the air used in the fermentation process.

The various indexes of air have strict standards, such as sterility, oil-free, temperature, pressure, humidity and so on.

LUOYOU Water-lubricated Screw Air Compressor

Achieving High Energy Efficiency
Solutions for Industrial Upgrading



CONSIDERATE SERVICE

Secure after sale

LUOYOU values great importance to after-sales service, we pay maximum attention to all customer requirements for service and spare parts, all spare parts will be delivered to the location specified by the customer in the shortest possible time, in addition, according to the customer's needs, we will send service engineers to the site of the operation and provide assistance!



**CHOOSE LUOYOU,
NO WORRIES AFTER SALE!**

Fast and professional after-sales service

LUOYOU has a professional after-sales service team with after-sales service points in major cities all over the country to provide timely and professional service support and genuine original parts.

- Provide professional start-up and commissioning services, as well as user training guidance;
- Promised 4-hour rapid response, 24-hour on-site service;
- Professional personnel, professional tools to provide fault diagnosis and maintenance services;
- Regular door-to-door inspection, provide planned maintenance advice;
- Original genuine spare parts, worry-free after sale;
- Provide proactive consulting services to optimize equipment operation and management and improve energy efficiency;
- Provide energy-saving renovation and optimization services.