



专注空压机洁净气体 解决方案

FOCUS ON CLEAN GAS FOR AIR COMPRESSOR
SOLUTION

注重产品细节 提高服务品质

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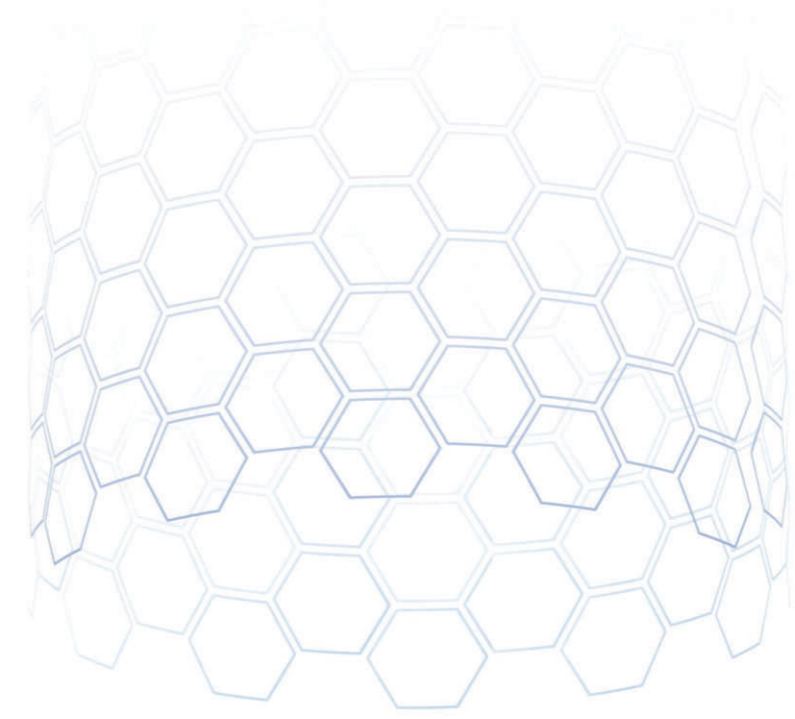
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为您提供全系列压缩气体净化解决方案



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公司简介

Company Profile



玉泉（河南）智能装备制造有限公司，创立于2001年，由辉县市玉泉过滤设备厂、新乡市玉泉滤业有限公司发展而来。公司位于中国工业过滤器生产基地--河南省新乡市。目前拥有空压机三滤制造、除尘装备制造、建造一级能效压缩机空气站等三大核心业务，是集生产、研发、销售、服务为一体的专业化公司。

空压机三滤制造：是公司的核心优势。公司深耕行业数十载，目前已拥有自主研发中心，与郑州大学等高校开展深度合作，拥有多项自主知识产权，自筹自建现代化生产基地，精选优质进口滤材，拥有多条全智能化、数字化生产线，确保生产的三滤具备一致、高效过滤性能。支持定制化服务，能快速响应客户需求，助力客户实现节能环保，

降本增效。已成为众多空压机厂商首选配套生产厂家。

除尘装备领域：公司研发和生产多种类型的除尘设备，特别是公司自主研发的无耗气转鼓式干燥机系列，专用于解决传统吸附式干燥机高能耗问题而设计。通过独特的转鼓吸附+无耗气再生技术，实现真正“零耗气”。广泛应用于电子、医药、食品、精密制造等对压缩空气品质高的行业。

一级能效压缩空气站：顺应国家节能减排的号召，公司积极投身于一级能效压缩空气站的建设。根据客户的实际用气需求，我们提供一站式解决方案。通过采用高效节能的空压机设备、优化系统管路设计、引入先进的智能控制技术，确保建设的压缩空气站达到一级能效标准，为企业大幅降低能耗，实现绿色生产。

目前公司产品畅销国内多省市，合作客户覆盖全球50多个国家和地区，总销量名列前茅。我们将始终秉承着“精益求精，创造卓越”的企业理念，为推动空压机三滤及除尘装备制造行业的发展，以及助力企业实现节能减排和绿色生产目标做出更大的贡献。

Yuquan (Henan) Intelligent Equipment Manufacturing Co., Ltd., founded in 2001, evolved from Huixian Yuquan Filter Equipment Factory and Xinxiang Yuquan Filter Industry Co., Ltd. The company is located in Xinxiang City, Henan Province, known as the industrial filter production base in China. Currently, it boasts three core businesses: manufacturing of air compressor filters, dust removal equipment, and construction of first-level energy-efficient compressor air stations. It is a specialized company integrating production, research and development, sales, and service.

Air compressor three-filter manufacturing: This is the company's core advantage. With decades of deep industry experience, the company now boasts its own research and development center, and has established deep collaborations with universities such as Zhengzhou University. It possesses multiple proprietary intellectual property rights, has self-financed and self-built modern production bases, selects high-quality imported filter materials, and has multiple fully intelligent and digital production lines, ensuring that the produced three filters exhibit consistent and efficient filtration performance. The company supports customized services, can quickly respond to customer needs, and helps customers achieve energy conservation, environmental protection, cost reduction, and efficiency improvement. It has become the preferred supporting manufacturer for numerous air compressor manufacturers.

In the field of dust removal equipment: The company develops and produces various types of dust removal equipment, especially the self-developed series of gas-free rotary drum dryers, specifically designed to address the high energy consumption issues of traditional adsorption dryers. Through the unique rotary drum adsorption + gas-free regeneration technology, it achieves true "zero gas consumption". It is widely used in industries such as electronics, medicine, food, precision manufacturing, and others that require high-quality compressed air.

Level 1 Energy Efficiency Compressed Air Station: In line with the national call for energy conservation and emission reduction, our company actively participates in the construction of Level 1 Energy Efficiency Compressed Air Stations. Based on the actual gas consumption needs of our customers, we provide a one-stop solution. By adopting high-efficiency and energy-saving air compressor equipment, optimizing system pipeline design, and introducing advanced intelligent control technology, we ensure that the constructed compressed air station meets Level 1 Energy Efficiency standards, significantly reducing energy consumption for enterprises and achieving green production.

Currently, our products are sold well in many provinces and cities in China, and our cooperative customers cover more than 50 countries and regions worldwide, with our total sales ranking among the top. We will always adhere to the corporate philosophy of "striving for excellence and creating excellence", and make greater contributions to promoting the development of the air compressor filter and dust removal equipment manufacturing industry, as well as helping enterprises achieve energy conservation, emission reduction, and green production goals.



DEVELOPMENT HISTORY

发展历程

2001

注册“辉县市玉泉过滤设备厂”
In 2001, it registered "Huixian Yuquan Filter Equipment Factory"

2008

注册玉泉“YQ”商标
Registered Yuquan "YQ" trademark in 2008

2005

通过了ISO9001质量体系认证
Passed ISO9001 quality system certification in 2005

2018

自筹资金在工业园建标准化厂房
In 2018, self-raised funds were used to build standardized factories in the industrial park

2019

分别与“郑州大学”“新乡学院”签订了校企合作
同年当选为“辉县市过滤商会”秘书长单位

Signed school-enterprise cooperation agreements with "Zhengzhou University" and "Xinxiang College" respectively
In the same year, it was elected as the Secretary-General unit of the "Huixian City Filter Chamber of Commerce"

2020

被认定为“国家高新技术企业”
被认定为“新乡市空压机过滤器工程技术研究中心”
Recognized as a "National High Tech Enterprise" in 2020
In 2020, it will be recognized as "Xinxiang Air Compressor Filter Engineering Technology Research Center"

2021

干燥机项目被认定为科学技术成果。

The dryer project in 2021 has been recognized as a scientific and technological achievement.

2022

为农业产业化国家重点龙头企业米多奇建立了“智能化空压站”（一级能效压缩空气站）让公司实现高效节能，提升生产效率！

In 2022, "Intelligent Air Compressor Station" (a first-level energy efficiency compressed air station) was established for Midoki, a national key leading enterprise in agricultural industrialization, enabling the company to achieve high efficiency and energy saving, and enhance production efficiency!

2023

被认定为河南省“专精特新”中小企业
被认定为河南省空压机过滤器工程技术研究中心
升级注册“玉泉（河南）智能装备制造有限公司”

Recognized as a "Specialized, Fine, Unique, and Innovative" small and medium-sized enterprise in Henan Province
Recognized as Henan Province Air Compressor Filter Engineering Technology Research Center
Upgrade and register "Yuquan (Henan) Intelligent Equipment Manufacturing Co., Ltd."

2025

为国家级“绿色工厂”孟电集团水泥公司建立了“零碳一号智能空压站”（一级能效压缩空气站）解决集团压缩空气系统能耗高、效率低的问题，并降低了设备故障率，节约电费开支和设备维护成本，最终实现从单机效率最高到总站效率最高的目标。

Mengdian Group, a national "Green Factory" The cement company has established the "Zero Carbon No.1 Smart" "Air compression station" (first-level energy efficiency compressed air station) Addressing the high energy consumption of the group's compressed air system The problem of low efficiency has also led to an increase in equipment malfunctions Barrier rate, electricity cost savings, and equipment maintenance Cost, ultimately achieving the highest efficiency from a single machine. The goal of achieving the highest efficiency at the main station.

2024

为河南聚旺食品有限公司建立了“聚旺数字化空压站”（一级能效压缩空气站）让机器运行过程中消耗的电更少，因此能够帮助企业节省大量能源成本。同时，由于能源消耗的减少，相应的碳排放和其它污染物排放也会降低。

"Established for Henan Juwang Food Co., Ltd." "Juwang Digital and Intelligent Air Compression Station" (Tier 1 Energy Efficiency) "Efficient compressed air station" allows the machine to operate during the process It consumes less electric energy, thus it can help Assist enterprises in saving a significant amount of energy costs. Meanwhile, Due to the reduction in energy consumption, the corresponding carbon Emissions and other pollutant discharges will also decrease.

企业文化

CORPORATE CULTURE

企业愿景

CORPORATE VISION



为用户创造价值
Creating Value For Users



为员工提供获得成功的平台
Provide A Platform For Employees
to Achieve Success



为社会承担责任
Take Responsibility For Society

企业使命

CORPORATE MISSION



打造高端油分第一品牌
Building the top brand of high-end oil
distribution



助力经济发展社会进步
Assisting economic development and
social progress



过滤让地球更美好
Filtering makes the Earth better

企业价值观

Corporate Values



诚信
Good Faith



责任
Responsibility



创新
Innovate



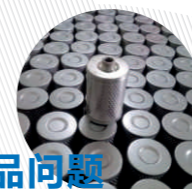
品质
Quality

客户至上

CUSTOMER FIRST

服务第一

SERVICE FIRST



了解产品问题

十二小时内完成问题对接



进行快速处理

故障发生一小时内由专业
工程师与您联系四小时内
完成故障原因判定



及时专业售后

由专业的技术工程师二十
四小时内到达现场协助您
解决技术难题



公司资质 Enterprise Qualification

荣誉,是耕耘的收获、是智慧的结晶、是理想的追求、是拼搏的足迹。

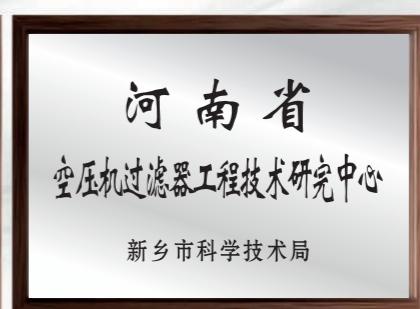
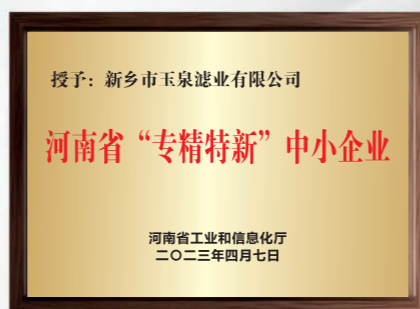
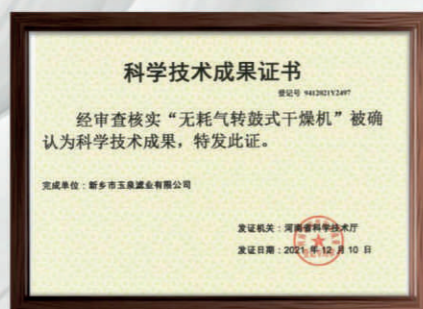
荣誉不是虚荣华丽的外表,而是表里如一的执着。

玉泉装备以坚实可靠的品质和专业周到的服务赢得客户的信任,这是荣誉,更是承诺和信念。

Honor is the harvest of cultivation, the crystallization of wisdom, the pursuit of ideals, and the footprint of hard work.

Honor is not a superficial and luxurious appearance, but a persistent and consistent appearance.

Yuquan Filter Industry has won the trust of customers with solid and reliable quality and professional and thoughtful service, which is not only an honor, but also a commitment and belief.





产品研发

Product Development

公司拥有一批从事压缩空气净化领域研发、销售与服务的高素质专业人才。

公司在引进、吸收国内外先进技术基础之上,结合国内实际工况特点,研制出成功的压缩空气净化设备,技术先进、性能卓越可靠、适用性强,是各类空气压缩机后处理净化设备的最佳选择。

The company has a group of high-quality professional talents engaged in research and development, sales, and service in the field of compressed air purification.

Based on the introduction and absorption of advanced technologies at home and abroad, the company has successfully developed compressed air purification equipment with advanced technology, excellent and reliable performance and strong applicability, which is the best choice for post-treatment purification equipment of various air compressors.



规格检验台
Specification Test Stand



静电检验
Static electricity test



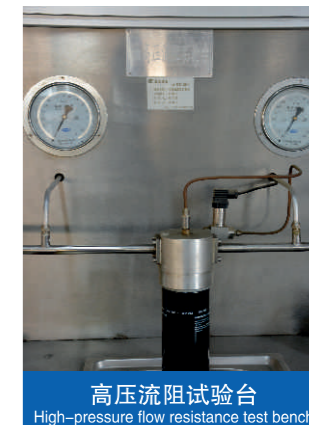
滤材测试台
Filter Material Test Stand



空滤容尘量测试
Air Filter Dust Capacity Test



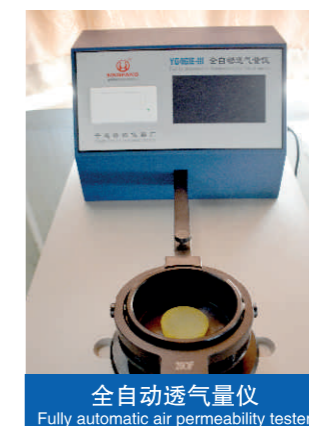
可吸入颗粒物测试仪
Inhalable Particulate Matter Tester



高压流阻试验台
High-pressure flow resistance test bench



压差检测仪
Pressure difference detector



全自动透气量仪
Fully automatic air permeability tester



油分耐压测试台
Oil pressure resistance test bench

为确保每个产品质量,主要零部件均选用国内外知名品牌,并采用国际先进的加工、检测技术,严格按照质量管理体系对整个生产流程进行把关。

To ensure the quality of each product, we select major components from well-known domestic and international brands, adopt internationally advanced processing and testing technologies, and strictly control the entire production process in accordance with the quality management system.

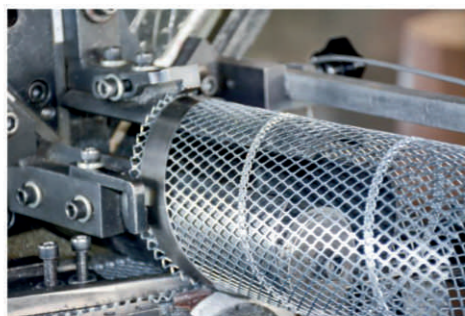
生产工艺

Production Process



超声波焊接 Ultrasonic welding

在提高效率的基础上,去除额外的缝合材料,增加产品的稳定性。
On the basis of improving efficiency, remove additional stitching materials to increase product stability



螺旋骨架结构 Spiral skeleton structure

增加骨架的抗压强度减少滤层的破坏程度。
Increase the compressive strength of the skeleton to reduce the degree of damage to the filter layer.



外骨架的无焊处理

Welding free treatment of outer skeleton

增加产品的美观度。
Increase the aesthetics of the product



自动缠绕机 Automatic winding machine

张力自动调整,满足滤层均匀度,提高聚结分离效果。
The tension is automatically adjusted to meet the uniformity of the filter layer and improve the coalescence and separation effect.



智能化生产线

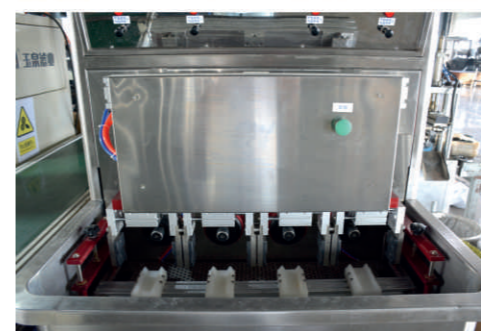
Intelligent production line

智能生产使公差降至最低,降低磨损。
Intelligent production minimizes tolerances and reduces wear.



注胶机 Glue injection machine

胶液温度与注胶量的精准控制,可保证产品具有更高的稳定性。
The precise control of glue temperature and injection amount can ensure higher stability of the product.



气密性检测 Air tightness testing

旋装式过滤器出厂前100%进行气密性试验,满足产品质量要求,有效防止不合格产品流入市场。
Before leaving the factory, the spin on filter undergoes 100% air tightness testing to meet product quality requirements and effectively prevent unqualified products from entering the market.



滤层折波机 Filter layer folding machine

可折不同的滤层波高,成型后滤材波纹均匀蓬松,有张力,有效提高过滤效率。
The filter layer can be folded with different wave heights, and the formed filter material has uniform and fluffy ripples with tension, effectively improving filtration efficiency.

产品介绍

Product Introduction

油气分离器/缠绕式

OIL-GAS SEPARATOR / SPIRAL WOUND TYPE

技术指标 Technical Index

分离后气体含油量
Oil Content Of Gas After Separation
≤3PPM

工作温度
Operation Temperature
< 120°C

使用寿命
Service Life
≥4000H

初始压差
Initial Pressure Difference
<0.02Mpa



型号	法兰	底盖直径	内径	高度
YQ301010001	115	90	40	135
YQ301010002	170	130	75	160
YQ301010003	170	130	75	200
YQ301010004	200	165	109	230
YQ301010005	200	165	109	305
YQ301010007	355	290	220	400
YQ301010008	355	290	220	305
YQ301010013	355	290	220	500

油气分离器是空压机的关键部件,高质量的油气分离器不仅可以保证压缩机的高效率工作,还可以提高空压机压缩空气的质量。它的工作原理是将油雾混合物中的油雾颗粒通过聚结碰撞的作用分离出来,从而使压缩空气更洁净,而油被分离后,经过回油管,使油在压缩机内循环使用。

油分滤芯选用德国HV Lydall公司超细玻璃纤维复合滤材,正常使用寿命达到3000小时以上,适用于各品牌螺杆式空气压缩机,可按照客户要求定制OEM产品。

The oil gas separator is a key component of an air compressor, and high-quality oil gas separators can not only ensure the efficient operation of the compressor, but also improve the quality of compressed air in the air compressor. Its working principle is to separate the oil mist particles in the oil mist mixture through agglomeration and collision, thereby making the compressed air cleaner. After the oil is separated, it passes through the return pipe and circulates the oil in the compressor.

The oil separation filter material is made of ultra-fine glass fiber composite filter material from HV Lydall Company in the United States with a normal service life of over 3000 hours. It is suitable for various brands of screw air compressors and can be customized with OEM products according to customer requirements.

油气分离器/复合式

OIL-GAS SEPARATOR/COMPOSITE TYPE

技术指标 Technical Index

分离后气体含油量
Oil Content Of Gas After Separation
≤3PPM

工作温度
Operation Temperature
< 120°C

工作压力
Working Pressure
0.7-2.5Mpa

使用寿命
Service Life
≥4000H



型号	法兰	底盖直径	内径	高度
YQ301080046	170	110	62	150
YQ301080075	170	130	60	160
YQ301080074	170	130	60	200
YQ301080051	355	300	220	305
YQ301080025	355	300	220	350
YQ301080016	355	300	220	400
YQ301080027	355	300	220	500
YQ301080030	430	350	265	500
YQ301080017	430	350	265	550
YQ301080018	540	480	385	650

复合油分芯采用复合结构,外层通常采用折叠结构,内层采用平缠结构。外层的折叠结构展开面积是普通平缠结构的4倍,大大降低了流速,更易于将压缩空气中的油凝聚下来;内层的平缠结构则进行二次分离,使得排出的压缩空气中含油量更低。一般可使分离后气体残油量≤3ppm。在同等工况条件下,可以大幅度降低油耗,极大延长油分使用寿命。

The composite oil separator core adopts a composite structure, with the outer layer typically featuring a folded structure and the inner layer employing a flat-wound structure. The expanded area of the folded structure of the outer layer is four times that of the ordinary flat-wound structure, significantly reducing the flow velocity and making it easier to condense the oil from the compressed air. The flat-wound structure of the inner layer performs secondary separation, resulting in lower oil content in the discharged compressed air. Generally, the residual oil content in the separated gas can be ≤3ppm. Under the same operating conditions, it can significantly reduce fuel consumption and greatly extend the service life of the oil separator.

油气分离器/折叠式

OIL-GAS SEPARATOR / FOLDING TYPE

采用高效低阻高分子材料，保证了流阻低，分离效果好，适应性强。可满足低压空气压缩机需求，适用于玻璃、纺织等特定行业需求。提高了相应的过滤面积，有效控制了滤后气体的含油量 < 3ppm，同时延长了产品的使用寿命，初始压差在：0.15bar-0.25bar之间。



The use of high-efficiency, low-resistance polymer materials ensures low flow resistance, excellent separation performance, and strong adaptability. It meets the needs of low-pressure air compressors and is suitable for specific industries such as glass and textiles. The corresponding filtration area has been increased, effectively controlling the oil content of the filtered gas to less than 3ppm, while extending the product's service life. The initial pressure difference is between 0.15bar and 0.25bar.

真空泵总成

VACUUM PUMP ASSEMBLY

全碳钢结构，坚固耐用，采用O型圈密封，最大真空值低于 1pa，高效、低阻、复合滤材滤芯，过滤效率达到99%，有效的防止固体颗粒或粉尘被吸入，提高真空泵的可靠性，延长真空泵的使用寿命。



All carbon steel structure, sturdy and durable, equipped with a O-ring seal, with a maximum vacuum value of less than 1pa. The high-efficiency, low resistance, composite filter element has a filtration efficiency of 99%, effectively preventing solid particles or dust from being sucked in, improving the reliability of the vacuum pump, and extending the service life of the pump.

空气过滤器

AIR FILTER

技术指标 Technical Index

过滤精度
Filtration
< 5µm

使用寿命
Service Life
≥ 2000H

过滤效率
Filtering Efficiency
99.99%



空气过滤器滤材选用德国HV公司及韩国Ahlstrom公司滤纸制作，滤除悬浮在环境空气中的尘埃、沙粒、水分、油雾等杂质。工作环境对其使用寿命有严重影响。

The filter material of the air filter is made of pulp filter paper from Germany's HV Company and South Korea's Ahlstrom Company, which filters out impurities such as dust, sand, moisture, and oil mist suspended in the ambient air. The working environment has a significant impact on its service life.

型号	外径	内径	高	结构
YQC303010096	60	35	68	双通
YQC303010002	100	68	80	双通
YQC303030002	125	78	315	单通
YQC303030001	157	100	370	单通
YQC303030004	195	117	397	单通
YQC303010012	320	220	700	单通
YQC303010192	400	290	700	单通
YQ7303010200	320	220	1000	单通



旋装式油滤

SPIN ON OIL FILTER

技术指标 Technical Index

过滤精度
Filtration
5μm-10μm

初始压差
Initial Pressure
Difference
≤0.03Mpa

最大工作压力
Maximum Working
Pressure
0.7Mpa-1.6Mpa

使用寿命
Service Life
≥2000H



采用韩国AHLSTROM固化滤纸,经高温固化,挺度好,过滤效率高,保证润滑油的通过流量,避免机器产生高温。高精度滤芯保证润滑油的清洁度和润滑油的使用时间,有效延长油气分离的使用时间。

Using Korean AHLSTROM solidified filter paper, which undergoes high-temperature curing, ensures good stiffness and high filtration efficiency, guaranteeing the flow rate of lubricating fluid and preventing high temperatures from occurring in the machine. The high-precision filter element ensures the cleanliness and usage duration of the lubricating fluid, effectively extending the service life of the oil-gas separation.

型号	对应件号	口径	0-内径	0-外径	外径	高度
YQ305010011	WD719	3/4" 16-UNF	62	71	76	126
YQ305010006	WD962	1" 12-UNF	62	71	96	212
YQ305010079	WD11102	1" 1/8-UNF	93	104	108	260
YQ305010005	WD1374	1" 1/2 16-UNF	100	111	135	177
YQ305010014	WD13145	1" 1/2 16-UNF	100	111	135	302



旋装式油分

SPIN ON OIL SEPARATOR

在通常工作压力:0.7MPa~1.3MPa时

初始压差
Initial Pressure Difference
0.15bar-0.25bar

压缩空气含油量
Service Life
≤3PPM

压缩空气油雾颗粒
Filtering Efficiency
≤0.1μm



外置旋装油分通常由油分芯、导管、底座、O型圈等组成。油分芯是核心部件,采用进口滤纸等材料制成,过滤与分离油雾混合物。导管用于连接油分芯和外部管道,底座则起到固定和支撑作用。

外置旋装油分可以直接旋装在空压机的排气管道上,无需像内置油分那样需要拆卸油气桶等部件,安装和更换更加便捷。

The external rotary oil separator is typically composed of an oil separator core, a conduit, a base, and an O-ring. The oil separator core is the core component, made of high-quality materials, and used for filtering oil mist. The conduit is used to connect the oil separator core to the external pipeline, while the base serves as a fixing and supporting function.

The external rotary oil separator can be directly mounted on the exhaust pipe of the air compressor, eliminating the need to disassemble components such as the oil and gas cylinder as required for internal oil separators, making installation and replacement more convenient.

型号	对应件号	口径	0-内径	0-外径	外径	高度
YQ304010007	LB719	M22x1.5	62	71	76	126
YQ304010062	LB962	M24x1.5	62	71	96	212
YQ304010003	LB11102	M32x1.5	93	104	108	260
YQ304010002	LB1374	M39x1.5	100	111	135	170
YQ304010009	LB13145	M39x1.5	100	111	135	302



前置过滤器

PRE-FILTER

技术指标 Technical Index

型号 Model YQZJ系列	空气过滤量m ³ /min (单组) Air Filtration Capacity M ³ /Min (Single Group) 200-10000	空气过滤器面积(单组) Air Filter Area (Single Group) 200m²
过滤精度/效率 Filtering Accuracy/efficiency 1μm/99.99% 2μm/100%	滤筒使用寿命 Service Life Of Filter Cartridge ≥2000H	初阻损 Initial Resistance Loss ≤80pa

离心机运行过程中吸入含有灰尘的空气后，将造成设备的磨损，吸入的灰尘会在风叶片表面上结垢，造成设备中转子的动平衡失衡，精度下降，使其工作寿命大大减短。灰尘中的有害化学成分会使设备生锈，腐蚀，因而离心机必须要配高精度入口进气过滤系统(前置过滤器)。

After inhaling air containing dust during the operation of the centrifuge, it will cause wear and tear of the equipment. The dust inhaled will scale on the fan blade surface, causing imbalance in the dynamic balance of the rotor in the equipment, reducing accuracy, and greatly shortening its working life. The harmful chemical components in the dust can cause rust and corrosion of the equipment. Therefore, the centrifuge must be equipped with a high-precision inlet air filtration system (pre filter).

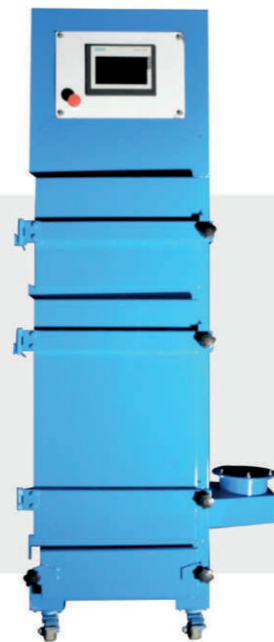
激光机专用处理系统

LASER MACHINE DEDICATED PROCESSING SYSTEM

YQCJ系列 激光切割机专用除尘器

YQCJ series
Special dust collector for laser cutting machine

- 用心制造
- 专品专用
- 高效防爆
- 节能环保



YQFL系列 激光切割机专用油水分离器

YQFL series
Special oil-water separator for laser cutting machine

产品特点

吸水分离效果好 特殊工艺定制	Good water absorption and separation effect, customized with special processes	零损耗动力	Zero loss power
不锈钢外壳 环保型设计	Stainless steel shell, environmentally friendly design	设备轻便 适用性强	Lightweight equipment with strong applicability

可供选型

型号	处理量(m ³ /min)	进出口径	最高工作压力(Mpa)	最高工作温度(°C)
YQFL-1P	1.5	DN20	1.9	150
YQFL-2P	2	DN20	1.9	150
YQFL-3P	3.2	DN20	1.9	150
YQFL-4P	4.5	DN20	1.9	150

无耗气转鼓式干燥机

NON CONSUMPTION ROTARY DRUM DRYER



产品型号	处理量 (Nm ³ /min)	处形尺寸 (LxWxHmm)	出口管径	驱动电机 (KW)	辅助加热功率 (KW)	出口露点	重量 (Kg)
HZ-60	80	850x480x1780	DN125	380V(0.12KW)	380V(10KW)	-20~-40	600
HZ-100	120	850x480x1780	DN150	380V(0.12KW)	380V(20KW)	-20~-40	800
HZ-120	150	2900x1525x2280	DN200	380V(0.12KW)	380V(30KW)	-20~-40	3500
HZ-200	200	3500x2200x2800	DN200	380V(0.12KW)	380V(30KW+30KW)	-20~-40	6500
HZ-400	400	7000x4400x5600	Dn300	380V(0.12KW)	380V(30KW+30KW)	-20~-40	13000

产品分布

PRODUCT DISTRIBUTION

公司产品主要销往上海、深圳、广州、浙江等一线城市

"公司拥有专业的研发团队、严谨的质量管理"

完善的售前、售中、售后服务

产品远销海外

50 多个国家

总销量遥遥领先

二十年匠工之心，全球

30000 家

用户共同见证





常规保养

Routine Maintenance



油气分离器

使用与常规保养

USE AND ROUTINE MAINTENANCE OF OIL-GAS SEPARATOR



空压机停机，关闭空压机出口，打开泄压阀，确认系统无压力。



将油气桶上方的管路拆开，拆除回油管及最小压力阀出口至冷却器的管路。



清除旧油分芯垫，换上新油分芯后，依照拆除的反顺序安装。



启动后检查有无异响或漏气现象，检查端盖螺栓的松紧度。如有异常，必须卸下新油分芯，再次检查油分芯垫清除是否彻底。



更换油分芯时，要严格把控细节，经开机测试后，确认空压机安全运行。

1 Stop the air compressor, close the outlet of the air compressor, open the pressure relief valve, and confirm that there is no pressure in the system.

2 Disassemble the pipeline above the oil and gas barrel, remove the return pipeline and the pipeline from the minimum pressure valve outlet to the cooler.

3 Remove the old oil separator paper pad, replace it with a new oil separator, and install it in the reverse order of removal.

4 After starting, check for any abnormal noise or air leakage, and check the tightness of the end cover bolts. If there are any abnormalities, the new oil separator must be removed and the oil separator paper pad must be rechecked for complete removal.

5 When replacing the oil separator, it is necessary to strictly control the details and confirm the safe operation of the air compressor after startup testing.

旋装式油滤

使用与常规保养



OIL FILTER USAGE AND MAINTENANCE ROUTINE

每**2000-2500**小时更换机油滤
Replace the oil filter every 2000-2500 hours

安装新旋装式油滤时，先在密封圈表面抹上一层薄油，用手拧紧滤清器，然后再转3/4圈，无把握时，也可启动一下发动机，运转2~3分钟，看有无漏油。

1 When installing a new spin on oil filter, first apply a thin layer of oil on the surface of the sealing ring, tighten the filter by hand, and then turn it 3/4 of a turn. If unsure, you can also start the engine and run it for 2-3 minutes to check for any oil leaks.

发动机运行时，需经常注意机油压力及机油报警灯，如油压过低时，更换一个新的旋装式油滤清器。

2 When the engine is running, it is necessary to pay attention to the oil pressure and the oil alarm light frequently. If the oil pressure is too low, replace it with a new spin on oil filter.



空气过滤器

使用与常规保养

USE AND ROUTINE MAINTENANCE OF AIR FILTERS

整个空气滤系统承受的是负压。外界空气会自动进入系统，因此除空滤进风口外，所有连接处(管道、法兰)都不允许漏。

1 The entire air filtration system is subjected to negative pressure. External air will automatically enter the system, so except for the air filter inlet, all connections (pipes, flanges) are not allowed to leak.

每天都应该对空滤进行检查，是否集积有大量尘土，及时清理干净，正确安装。

2 Every day, the air filter should be checked to see if there is a large amount of dust accumulation, cleaned in a timely manner, and installed correctly.

检查发现空气滤芯有变形或无法清除尘土时，需要在修理师傅指导下更换空气滤芯。

3 If the inspection reveals that the air filter element is deformed or unable to remove dust, it is necessary to replace the air filter element under the guidance of a repair technician.





常见故障分析

Common Fault Analysis

压缩机在日常的使用中，会出现各种各样的故障，有些故障直接表现在油分芯上，比如排气含油高、油分芯压差过大等原因。解决这些故障的同时，必须查找导致机器故障的原因所在。使用劣质的油分芯是导致这些现象的原因之一，在实践中我们发现，有很多的故障并非油分芯的质量问题造成的，在此，对其他常见的故障原因简单的说明一下。



Compressors may encounter various malfunctions in daily use, some of which are directly manifested on the oil separator core, such as high oil content in the exhaust gas and excessive pressure difference across the oil separator core. While addressing these malfunctions, it is essential to identify the root cause of the machine failure. The use of inferior oil separator cores is one of the reasons for these phenomena. In practice, we have found that many malfunctions are not caused by quality issues with the oil separator core. Here, we briefly explain other common causes of malfunctions.

油气分离器排气含油量高的原因

OIL-GAS SEPARATOR / SPIRAL WOUND TYPE

- | | |
|---|--|
| <ol style="list-style-type: none"> 1、油气分离罐设计或选型不合理。 2、加油量过多或油温过高。 3、用气量大，超负荷低压使用或降压使用。 4、回油系统堵塞。 5、回油管安装不到位。 6、最小压力阀故障。 7、使用了不合格的机油。 | <ol style="list-style-type: none"> 1. The design or selection of the oil-gas separation tank is unreasonable. 2. Too much oil added or excessively high oil temperature. 3. Large gas consumption, overload use at low pressure or use with reduced pressure. 4. The oil return system is blocked. 5. The oil return pipe is not installed properly. 6. Minimum pressure valve malfunction. 7. Unqualified engine oil was used. |
|---|--|

油气分离器压差大的原因

Reasons For High Pressure Difference In Oil-gas Separator

- | | |
|--|--|
| <ol style="list-style-type: none"> 1、压差传感器故障或压力表损坏不准确。 2、空压机周围环境差，空气中污染物多。 3、空滤、油滤或油的质量低劣。 4、长期未更换机油，机油脏。 5、空气芯与进气口之间的管路上密封不良。 6、机器运行温度低，水汽无法及时排出，过多的水汽导致油分芯阻力增大。 7、油分芯搁置时间太长滤材受潮。 8、使用了不匹配的油分芯。 | <ol style="list-style-type: none"> 1. The differential pressure sensor is faulty or the pressure gauge is damaged and inaccurate. 2. The environment surrounding the air compressor is poor, with high levels of pollutants in the air. 3. Poor quality of air filter, oil filter, or oil. 4. The engine oil has not been changed for a long time, resulting in dirty oil. 5. The pipeline between the air core and the air inlet is poorly sealed. 6. When the machine operates at low temperature, water vapor cannot be discharged in a timely manner, and excessive water vapor leads to increased resistance in the oil separator core. 7. The filter material becomes damp due to the oil core being left for too long. 8. A mismatched oil separator core was used. |
|--|--|

油过滤器压差大的原因

Reasons for high pressure difference in oil filter

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. 润滑油品质差。 2. 压差表未复位。 3. 润滑油脏。 4. 油过滤器寿命到了。 | <ol style="list-style-type: none"> 1. Poor quality of lubricating oil. 2. The differential pressure gauge has not been reset. 3. Dirty lubricating oil. 4. The oil filter has reached the end of its lifespan. |
|--|--|

空气过滤器压差大的原因

Reasons for high pressure difference in air filters

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. 外部环境差。 2. 压差表未复位。 3. 空气过滤器在潮湿环境中长期存放使用。 4. 空气过滤器寿命到了。 | <ol style="list-style-type: none"> 1. Poor external environment. 2. The differential pressure gauge has not been reset. 3. The air filter is stored and used for a long time in a humid environment. 4. The air filter has reached the end of its lifespan. |
|---|---|

