无论您在什么地理位置 其实我们就在您身边 No matter where you are we are here for you



DESRAN®

无油螺杆空压机

Oil-free Screw Air Compressor 为您提供真正干式全无油压缩空气





德斯兰 一上海名牌产品

- 一高新技术企业
- 一中国机械500强

DESRAN® 德斯兰压缩机(上海)有限公司

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德斯兰压缩机(上海)有限公司

DESRAN COMPRESSOR (SHANGHAI) CO.,LTD.



公司简介Company profile

德斯兰压缩机(上海)有限公司是一家专业从事空气压缩机研发,生产,销售的高新技术企业。公司秉承德国工业先进的设计理念和严谨的制造工艺,并结合国内外用户的使用环境,不断革新,发挥专业设计、制造的优势,生产管理过程严格遵循 ISO9001 国际质量体系,保证了每一台压缩机的技术性能和可靠性都达到国际一流水平,品质在业内一直处于领先地位。

2011 年,德斯兰荣获"上海名牌产品",同时被授予"上海市高新技术企业"和"上海科技小巨人企业";德斯兰的产品获"上海市节能产品"称号,并且有多项产品通过了"国家节能产品认证",自 2011 年起,连续三年被评为"中国机械 500 强"。

Desran Compressor (ShangHai) Co.,Ltd is a high Tech company focusing on the R&D, manufacture, and sales of Air Compressors. We not only inherit advanced design concept and precise manufacturing technology from German industry, but also combine both domestic and overseas users' operation conventions. Through professional design, advanced manufacturing, and strict quality control system, we ensure that the technical performance and reliability of each compressor are best in class and our quality is always in the leading position in the industry.

In 2011, Desran was honored as "Shanghai Famous Brand", "High-tech enterprise", and "Technology Giant Enterprise". Since 2011, Desran was ranked into "China Machinery 500" by "China Machinery Industry Association" for three consecutive years.



真正的全无油压缩空气(根据 ISO 8537-1) Truly Oil Free Compressed Air (According to ISO 8537-1)

等 级 含油量 (悬浮油粒/气态油/液态油 mg/m3) *产生纯净高标准的 Class 0 无油压缩空气 Class Oil Content * 确保压缩空气 100% 不含润滑油 由设备使用者或供应商指定,比class1标准更严格 * 确保各种食品和制药行业所需要的高品质全 0 Designed by user or manufacturer (more strict than Class 1) 无油压缩空气 1 ≤ 0.01 *Provide "Class 0" Oil Free compressed air 2 ≤ 0.1 *Ensuring 100% oil free compressed air 3 ≤ 1 *Ensure the high quality oil free compressed 4 ≤ 5 air for food and pharmacy industries 5



高效的无油压缩系统 — 节能与生产效率的完美组合 High Efficiency Oil Free Compression System—Energy Saving

采用德国技术全新设计的主机,实现大排量,低能耗

By adopting the German technology, our oil free airend is newly designed for large capacity and low energy consumption.

提供真正纯净无油的压缩空气, 杜绝油品带来的安全隐患

Providing the truly Oil Free compressed air, Avoiding the safety issues related to unclean compressed air

易损件少,运行费用低,全新的无油螺杆系统设计使运行过程中基本无润滑油损耗,适用于长时间 连续运转

With the new design, our oil free compressor system reduces the lubricating consumption to minimum and has less wearing parts and low running cost. It's perfect for long time constant running.

全新的防噪音外箱设计,外型更紧凑;配合内置低噪音型线机头,实现低噪音,低振动。 With the new low noise casing design, the machine is more compact and runs more quietly.

占地面积小,易于安装,节约安装成本

With the tight design, the machine is easy to install and saves you on setup cost

由于把先进的螺杆,高能效的电机和节能型的冷却器有机的结合,使得德斯兰无油螺杆机经济节能。 By combining the advanced rotors、high efficiency motor and energy saving cooler, Desran oil free screw compressor runs efficiently and economically.

特殊的轴封设计 Special shaft-sealing design

防止油漏的密封件采用可靠的迷宫式和离心甩油等特殊的设计,不但能避免润滑油和其它杂质进入压缩腔 还能防止漏气,确保您高效的获得洁净无油的压缩空气,真正做到绝对无油。

With the labyrinth and centrifugal shaft seal design, our shaft sealing not only prevents lube oil and other impurities from entering the compression chamber, but also avoids air leakage, ensuring our machines to provide 100% oil free compressed air.

高性能转子型线

High Performance Rotor Profile

转子采用高强度材质制成,齿面进行高精密研磨加工,不仅减少了内部泄露,同时保证了主机的寿命;转子因受高温排出空气的影响会出现热膨胀,德斯兰采用高性能型线设计,确保转子在运行中维持最合适的间隙。

With the durable material and high accuracy grinding craft, our airend not only prevents the interior air leakage, but also assures the running life. Due to the heated air, there will be thermal expansion for the rotors. Desran adopts the high performance rotor profile to make sure the rotors have the perfect gap.

两级压缩技术

Two Stage Compression Technology

由于采用了两级分段压缩技术,在提高压缩效率的同时,也可以避免过高的排气温度对压缩机主机造成的不利影响,提高主机工作的可靠性并延长主机的使用寿命。

Our machines adopt the two stage compression technology, which not only increases the efficiency of compression, but also avoids the negative influence from the high discharge air temperature and increases the reliability and running life of airend.

无油螺杆机构造图

Oil Free Screw Compressor Structure

1. 空气过滤器 Air Filter

采用较高的容尘能力和较低的流动阻力设计,能 过滤出空气中直径极其微小的固定颗粒。过滤面 积大,吸气阻力小,确保系统的各个零部件的功 能正常运行和经济的使用寿命

By using large dust holding and low flow resistance design, our air filters can filter the micro articles in the air to ensure every component of the system works normally and efficiently

2. 进气阀 Suction Valve

优化的设计使得进气压降和噪音都大大的降低,机械联动装置保证进气阀运转稳定,寿命长 The advanced design lowers the inlet air pressure and noise, while the mechanical connection ensures the stability and longevity of the valve.

3. 二级压缩主机 Two-Stage Airend

采用全新欧洲设计二级压缩技术,极高的加工精度,节能性和噪音控制等各项指标均达到世界一流水平,坚固耐用

By adopting the whole new two-stage compression design and precisely manufacturing accuracy, our airend has a world class quality especially on energy efficiency and noise control



4. 冷却器 Cooler

采用加大热交换面积的设计,提高了热交换效率,在极端的工况条件下也能安心运行 By adopting the larger heat exchange design,

By adopting the larger heat exchange design, this machine can run under extreme condition

5. 先进的控制系统 Advanced Control System

中英文操作界面,能显示压缩机的主要运行参数 和设定参数,能通过显示屏进行各种设定和运行 数据管理,非常容易掌握和操作;30多项自诊断 功能,能显示维修保养,报警和异常停机等画面, 全面掌控压缩机运行状况

With the multi-language control platform, the monitor displays the main running parameters and specifications clearly. With the easy system design, users can set up the main settings through the control system trouble-free. With all kinds of self-detecting functions, the control system will show the maintenance requirements and malfunction conditions.

6. 高效电机 High Efficiency Motor

高防护等级,全球统一制造标准,比同类型的电机效率高 2%-5%

With the high isolation rate and manufacture standard, our motor runs more efficiently

无油螺杆机技术参数

Oil Free Screw Compressor Specification

型 号 (model)	排气量/排气压力 Capacity/Pressure(m³/min/Mpa)	电动机 Motor Power		噪音dB(A)	外型尺寸Size (mm)		
		功率 (KW)	马力 (HP)	Noise	长(L)	宽(W)	高(H)
DSRW-45A/W	6.8/0.75	45	60	67	2100	1500	1790
	5.9/0.86			69			
	5.4/1.0			71			
DSRW-55A/W	8.8/0.75	55	75	68	2100	1500	1790
	8.4/0.86			69			
	6.9/1.0			71			
DSRW-65A/W	10.2/0.75	65	90	69	2100	1500	1790
	8.9/0.86			70			
	8.2/1.0			72			
DSRW-75A/W	12.8/0.75	75	100	69	2100	1500	1790
	10.3/0.86			71			
	9.3/1.0			72			
DSRW-90W	15.8/0.75	90	125	66	2900	1880	1880
	14/0.86			67			
	12.8/1.0			69			
DSRW-110W	19.4/0.75	110	150	67	2900	1880	1880
	17/0.86			68			
	16.0/1.0			70			
DSRW-132W	23.9/0.75	132	180	69	2900	1880	1880
	21.4/0.86			70			
	19.2/1.0			71			
DSRW-160W	28.4/0.75	160	220	69	2900	1880	1880
	26.2/0.86			71			
	23.6/1.0			71			
DSRW-180W	32.8/0.75	180	245	69	2900	1880	1880
	28.2/0.86			71			
	26.3/1.0			71			
DSRW-200W	36.4/0.75	200	270	69	3250	2200	2150
	33/0.86			70			
	29.5/1.0			72			
DSRW-220W	39.0/0.75	220	300	70	3250	2200	2150
	36.1/0.86			71			
	32.3/1.0			72			
DSRW-250W	43.6/0.75	250	340	70	3250	2200	2150
	41.2/0.86			72			
	36.1/1.0			72			

本公司对产品不断改进,保有设计变更权。如若参数更改,恕不另行通知 Due to the constant innovation and upgrading, all the specifications are subject to change without notice

变频无油螺杆空压机 Variable Speed Oil Free Screw Compressor

德斯兰变频无油螺杆空压机不仅为您提供全无油的压缩空气解决方案,并且能够利用先进的变频技术使您的运 行费用降到最低,平均节能30%以上。

Desran Variable Speed Oil Free Screw Compressor not only provides you with a totally oil free compressed air solution, but also saves you a lot on the daily running cost with the advanced frequency converter.

普通无油螺杆机与变频无油螺杆机成本对比:

Oil free screw compressor Cost Comparison



普通空压机成本构成

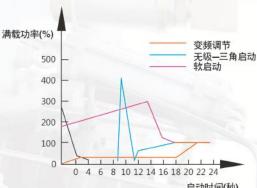
变频空压机成本构成 Normal Compressor Cost Structure Variable Speed Compressor Cost Structure

平顺的变频启动

采用了变频控制系统,减少了启动电流,启 动时无峰值电流,使机器启动更加平稳、顺 畅。

Smooth Start with the frequency converter

By adopting the advanced frequency converter system, the machine starts more smoothly without any peak current.



启动时间(秒)

智能控制系统 Advanced Control System

装配大型LCD显示屏,可简单的通过操作面板进行各种功能的设定及日常运行管理,操作简便。 当空压机需要保养或发生故障时,显示屏会自动发出提示,便于及时保养或排除故障。

With the large LCD monitor, all the daily functions and the running parameters can be displayed and adjusted easily. When the compressor requires service or malfunctions, the LCD will display the notice automatically.



交替运行功能:

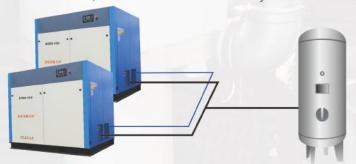
不必使用旧有的交替运行盘,只要在2台压缩机之间进行线路连接,即可进行交替、随动运行

- 根据设定时间转换主机-副机,进行交替运行(交替功能)
- 空气量不足时,副机启动运行(压力随动功能)
- 万一1台发生故障,另1台将启动运行(故障随动运行)

Alternate operation function

By connecting multiple machines with special cable, our machines can run alternatively

- Alternate the main machine and the alternative machines according to preset time
- When the air output is not enough, the alternate machines start automatically
- When one machine fails, the other machines start automatically to ensure the air output



咨询服务 Consulting Service

我们要做的不只是为客户提供一流的产品,我们还必须为一流的产品 配备一流的服务。DSR 拥有一支专业化的团队,他们负责产品的开发 与销售咨询,他们中有产品工程师,安装工程师与销售工程师。他们 完全能满足您各种要求的咨询工作,让您足不出户就能了解您所需要 的空压系统的各种知识。

We not only provide the first class products, but also provide the best-in-class service for our clients. Desran have professional teams for design, sales, and service. They can answer all your consulting questions and provide you the compressed air knowledge you need.



方案设计 Program Design



DSR 专业化的团队有任何行业的压缩空气系统应用经验,每天我们对各行业的新客户的各种要求提供解决方案。所以无论是哪一类行业,您的要求气量太小,您现场的环境有多复杂,我们都会为你提供最佳的压缩空气方案。

Desran Compressor have rich experience in compressed air solutions for a variety of industries. We provide different solutions for different customers needs. No matter which industry you are in, what kind of compressed air you want, or how complex your situation is, we will provide you the best compressed air solutions.

售后服务 After Service

一支专业知识强,拥有解决各种问题经验的工程技术人员组成的服务部,随时随地为您提供售后服务,无论是保修期内,还是保修期外, 德斯兰的专业团队都会以最快的速度为您解决故障。

Desran have a professional and highly experienced after service team to help you solve all the problems with your compressed air system. No matter your system is under warranty or out of warranty, our service team will try their best to solve your issues as soon as possible.

