

股票代码 Stock Code: 301456



总部位于青岛，海外生产制造基地位于泰国，在北京、上海、长沙、德国科隆等地设立子公司，同时在全球五大洲发展设立了众多经销商和合作伙伴，为国内外客户提供迅捷的售后服务与技术支持。

Headquartered in Qingdao, with overseas manufacturing facilities in Thailand, the company has established subsidiaries in Beijing, Shanghai, Changsha, and Cologne, Germany. It has also developed a network of distributors and partners across five continents, providing efficient after-sales service and technical support to customers worldwide.



盘古智能订阅号
WeChat Public



盘古智能服务号
WeChat Service



盘古智能官网
Company Website

<http://www.paguld.com>

青岛盘古智能制造股份有限公司

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E-mail:sales@paguld.com
全国免费电话：400-0532-090

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Add: 77 Kehai Road, High-tech Zone, Qingdao, China
E-mail: sales@paguld.com
National toll free telephone: 400-0532-090

PGRHXT-GCJX202603

盘古智能润滑系统-工程机械

LUBRICATION SYSTEM

Engineering Machinery

盘古致力于提供润滑及液压系统整体解决方案

Paguld is committed to providing overall solution for the lubrication and hydraulic system.





盘古是民族的
更是世界的
For Nation and World

盘古智能
勇攀高峰
Scale New Heights
Bravely

盘古润滑
使命必达
Mission Must
Be Reached

企业使命 CORPORATE MISSION

让生活变得更加美好
Make life better

企业愿景 PAGULD'S VISION

成为世界一流的润滑与液压系统制造商
To be the world-class lubrication,
hydraulic system manufacturer and solution provider

企业价值观 CORPORATE VALUES

诚实、团队、质量、责任
Honesty, teamwork, quality, responsibility

企业品质 CORPORATE QUALITY

拼搏进取、勇于创新
Strive for progress and dare to innovate

企业经营理念 BUSINESS PHILOSOPHY

精心研发、精益生产、精湛品质、精诚合作
Deliberate research and development, Lean manufacturing,
exquisite quality and sincere cooperation

公司介绍

青岛盘古智能制造股份有限公司(股票代码:301456)创建于2012年,是一家集研发、生产、销售为一体的股份制企业。公司致力于发展具有自主知识产权和核心竞争力的集中润滑系统和液压系统技术,为国内外客户提供经济高效的整体解决方案。

盘古智能作为专业的集中润滑系统和液压系统研制企业,已申请多项国家发明专利,产品广泛运用于风电设备、机车润滑、轨道润滑、工程机械、商用车辆、港口设备等领域。

公司已通过ISO9001、IATF 16949、IRIS (ISO/TS 22163)质量管理体系认证,产品通过CE、ETL、PED等认证,获得CNAS L 16139实验室认可证书。

公司本着“精心研发、精益生产、精湛品质、精诚合作”的经营理念,凝聚一流的人才,成为客户值得信赖的合作伙伴。

COMPANY INTRODUCTION

Qingdao Paguld Intelligent Manufacturing Co., Ltd was founded in 2012, (stock code: 301456) is a joint-stock enterprise integrating R&D, manufacturing and sales. Paguld is committed to developing centralized lubrication systems and hydraulic system with independent intellectual property rights and core competitiveness, and provide competitive overall solutions for domestic and oversea customers.

As a professional enterprise, Paguld has obtained for a number of national invention patents. Our products are widely used in wind power equipment, wheel flange, railway, engineering machinery, commercial vehicle, large-scale machinery in mining, ports and other fields.

Paguld has passed ISO9001, IATF 16949, IRIS (ISO/TS 22163) quality management system certification and the certification of CE,ETL,PED etc for products and obtained CNAS L16139 laboratory accreditation certificate.

Upholding the business philosophy of "dedicated research & development, lean production, excellent quality and sincere cooperation", Paguld has brought in the first-class talents and become the customer's trustworthy partner.

100 亩

园区占地

The factory occupies an area of approximately 16.5 acres

44000 m²

一期建筑面积

Phase 1 of the factory: 44000m²

40000 m²

二期建筑面积

Phase 2 of the factory: 40000 m²



工厂鸟瞰图
Aerial view of the factory

发展历程

MILESTONE

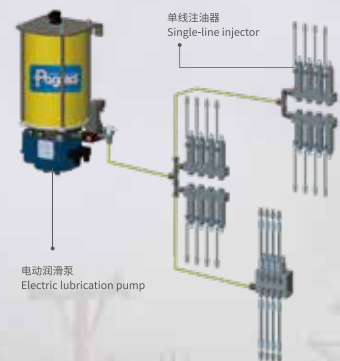
2012

青岛盘古公司成立, 注册
“Paguld”品牌
“Paguld” brand registered

Paguld®

2013

自主研发出第一套风机集中润滑系统
The first set of Paguld wind turbine
centralized lubrication system



2014

样机通过金风科技测试验证, 上海电气、西门子样机验收成功

The prototype of lubrication system has passed the test of Goldwind, Shanghai Electric and Siemens



Goldwind 金风科技
SHANGHAI ELECTRIC 上海电气
SIEMENS 西门子

2015

实现对金风科技批量供货
Begin to bulk supply for Goldwind



Goldwind 金风科技

2016

自主研发的海上机组润滑系统成功
装机测试成为东方电气、联合动力
等国内主流风机厂家供应商

Paguld offshore wind turbine
lubrication system was successfully
installed and tested
Become the supplier of domestic
mainstream wind turbine
manufacturers such as DEC and
United Power



DEC 东方电气

2017

获得美国GE订单
通过Vestas和SGRE供应商体系审核

Get orders from GE
Become qualified supplier for
Vestas and SGRE

Vestas SIEMENS Gamesa
RENEWABLE ENERGY



2018

液压项目部成立
成为远景能源战略供应商

Hydraulic Project Department
established
Become ENVISION's strategic
supplier



Envision

2019

自主研发的盾构机集中润滑系统通
过中铁装备的测试认证
实现对Vestas批量供货

Paguld centralized lubrication system of
shield machine has qualified by CREG
Begin to bulk supply for Vestas



2020

盘古润滑·液压智造中心奠基
实现对三一重能、中国海装、运达
股份的批量供货

Paguld lubrication & hydraulic
Intelligent center laid foundation
Begin to bulk supply for SANY, CSSC
and WINDEY



SANY 三一重能
WINDEY 运达风电
CSSC 中船科技

2021

轮缘润滑系统批量交付中车四方股份,
成功推进国内轨道交通润滑技术国产化
中车风电润滑和液压系统样机试装成功

Paguld wheel flange lubrication system
begin to bulk supply for CRRC
Paguld lubrication and hydraulic prototype
has passed the test of CRRC Wind Power



中国中车
CRRC

2022

盘古智能创业板IPO成功过会
批量供货全球知名起重机制造商
Manitowoc

Paguld's IPO on the GEM
successfully passed the audit of
CSRC
Begin to bulk supply for the world
famous crane manufacturer
Manitowoc



Manitowoc

2023

盘古智能在深交所敲钟, 股票
代码: 301456

矿用机械液压阀组实现产品
验证和批量供货

Listed on the Shenzhen Stock
Exchange, stock code: 301456
The hydraulic valve group of mining
machinery product was qualified
and began to batch supply



2024

盘古智能欧洲全资子公司挂牌投
入使用, 为全球客户提供优质高
效的服务

The wholly-owned subsidiary of
Paguld Europe is put into use to
provide high-quality and efficient
service for global customers



2025

盘古智能泰国智造中心奠基,
锚定全球化布局, 深化区域市
场服务。

Paguld Intelligent Breaks
Ground on Its Thailand Smart
Manufacturing Center,
Anchoring Global Layout and
Deepening Regional Market
Services.



始于客户需求, 终于客户满意
在为客户创造价值的路上, 盘古永远执着

Start with customers' need, succeed with customers' satisfaction
Paguld insist on create values for customers

核心客户

MAIN CUSTOMERS

用品质与服务帮助企业提升自身效率, 实现品牌价值, 使企业走向卓越
Help enterprises improve their efficiency with quality and service, achieve brand value and make to excellence



知识产权/体系认证

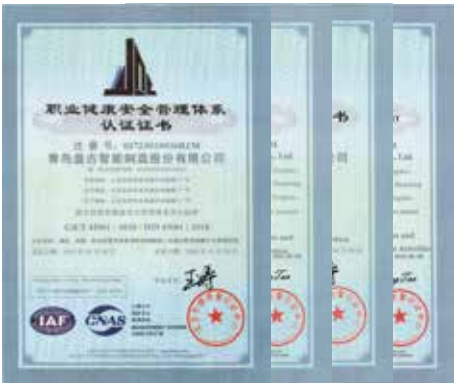
INTELLECTUAL PROPERTY&SYSTEM CERTIFICATES

公司致力于发展具有自主知识产权和核心竞争力的集中润滑技术及液压系统, 取得发明及实用新型专利数十项, 其中多项专利填补国内外空白。
盘古智能全力为客户提供满意的技术与产品, 构建了完善的生产制造、质量控制与经营服务体系。先后通过多项管理体系认证、产品认证。

Paguld is committed to developing centralized lubrication technology and hydraulic system with independent intellectual property rights and core competitiveness. We have obtained dozens of invention and utility model patents, many of which fill the gaps at home and abroad.
Paguld is committed to providing customers with the satisfactory technology and products, and has built a perfect manufacturing, quality control and business service system. Paguld has obtained a number of certificates of products and management systems.



知识产权
Intellectual Property



环境健康安全体系认证
EHS Certificates



CE认证
CE Certificates



CNAS实验室认可证书
CNAS Laboratory Accreditation Certificate



质量体系认证
Quality System Certificates



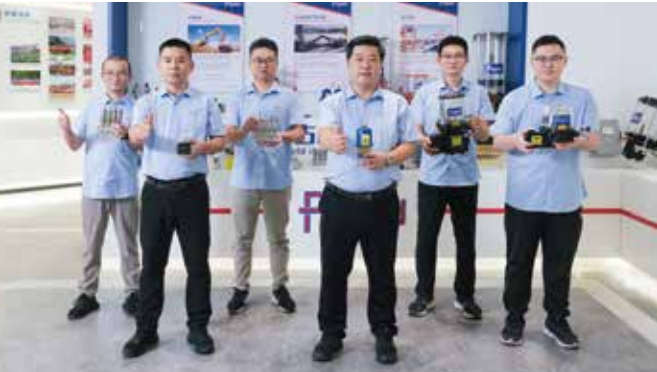
ETL/UL认证(北美安全认证)
ETL Certificates (UL standard)

研发及检测平台

R&D AND TESTING PLATFORM

时刻关注客户的需要,精心开发符合客户需求的产品,时刻关注行业发展趋势,精心研发前沿技术的产品。
盘古智能质量检验检测中心汇集了目前行业先进的检测仪器与设备,定制化的测试平台为盘古智能研发新的系统与产品、为探索未知的应用领域提供了有力保障。

Focus on the needs of customers and the development trend of the industry, to develop the technology and products.
Paguld Quality Inspection and Testing Center collects advanced testing instruments and equipment in the industry. The customized testing platform provides a strong guarantee to develop new systems and products and explore the unknown application fields.



公司研发团队现有专业研发人员数十人,其中包括技术工程师、测试工程师、工艺专家等中高级职称人员。
Paguld's R & D team has dozens of professional R&D personnel, including technical engineers, test engineers, process experts and other senior titles.



零部件检测设备 Parts testing equipment

- ▶ 海克斯康三坐标
Hexagon CMM
- ▶ 日本三丰圆度仪
Mitutoyo roundness meter
- ▶ 日本三丰粗糙度仪
Mitutoyo Roughness Tester
- ▶ 气动量仪(美国)
Pneumatic measuring instrument (USA)
- ▶ 清洁度检测设备
Cleanliness testing equipment
- ▶ X射线涂层厚度测试仪
X-ray coating thickness tester
- ▶ 数显式拉力试验机弹簧检测仪器
Digital display tensile testing machine
- ▶ 精密型盐水喷雾试验机
Precision salt spray test machine
- ▶ 台式直读光谱仪
FOUNDRY-MASTER Smart spectrograph

系统产品检测设备 System product testing equipment

- ▶ 振动试验台
Vibration test bench
- ▶ 胶管耐压测试台
Hose pressure test bench
- ▶ 环境模拟测试平台
Environment simulation test platform
- ▶ 分配器检测、阀芯、安全阀、注油器专用检测设备
Special testing equipment for distributor testing, Pump plunger, safety valve, injector
- ▶ 轮毂试验平台
Hub test platform
- ▶ 液压站综合测试平台
Hydraulic station integrated test platform
- ▶ 液压变桨系统综合测试平台
Hydraulic pitch systems integrated test platform

生产能力

PRODUCTION CAPACITY

精益生产, 持续改善是企业发展的基石
Lean production and continuous improvement
is the foundation of development

一流的品质源于一流的生产设备和一流的检验检测平台, 公司现有加工中心、数控车床、磨床等各类设备100多台, 有效保证了系统部件的制造精度, 所有核心产品的配合精度均达到 μm 级, 高精度的零部件加工保证了产品的高可靠性。

First-class quality comes from first-class production equipment and super first-class inspection and testing platform, Paguld has more than 100 sets of machining centers, CNC lathes, grinding machines and other kinds of equipment, effectively ensure the manufacturing accuracy of system components; The precision of all core products is up to μm level, and the high-precision parts processing ensures the high reliability of products.



► 柔性自动化生产线FMS-5000L/FMS-6000L
Flexible Manufacturing System-5000L/6000L



- MAZAK卧式加工中心 HCH-5000L
MAZAK HCH-5000L
- 日本泷泽数控车 XEX-108
Takisawa XEX-108
- 斗山复合式数控车
Doosan composite CNC lathe
- 津上走心机BO205-III
Tsgami BO205-III
- 西铁城走心机L32-1M9/A20-3F7
Citizen centrifuge L32-1M9/A20-3F7

- MAZAK立式加工中心NM415/DT400/DNM415/DT405
MAZAK NM415/DT400/DNM415/DT405
- 台湾及国产全技能CNC
Full-skill CNC
- 平面磨、无心磨床、外露磨床、内孔珩磨设备
Surface grinder, centerless grinder, cylindrical grinder, inner hole quilting equipment
- 普通车床、立铣、卧铣、双面铣床、六角车床等设备
Ordinary lathes, milling machines, hexagonal lathes, etc.

阀块处理设备
Valve block Processing Equipment



热能去毛刺机
Thermal deburring machine



自动超声波清洗设备
Automatic ultrasonic cleaning equipment

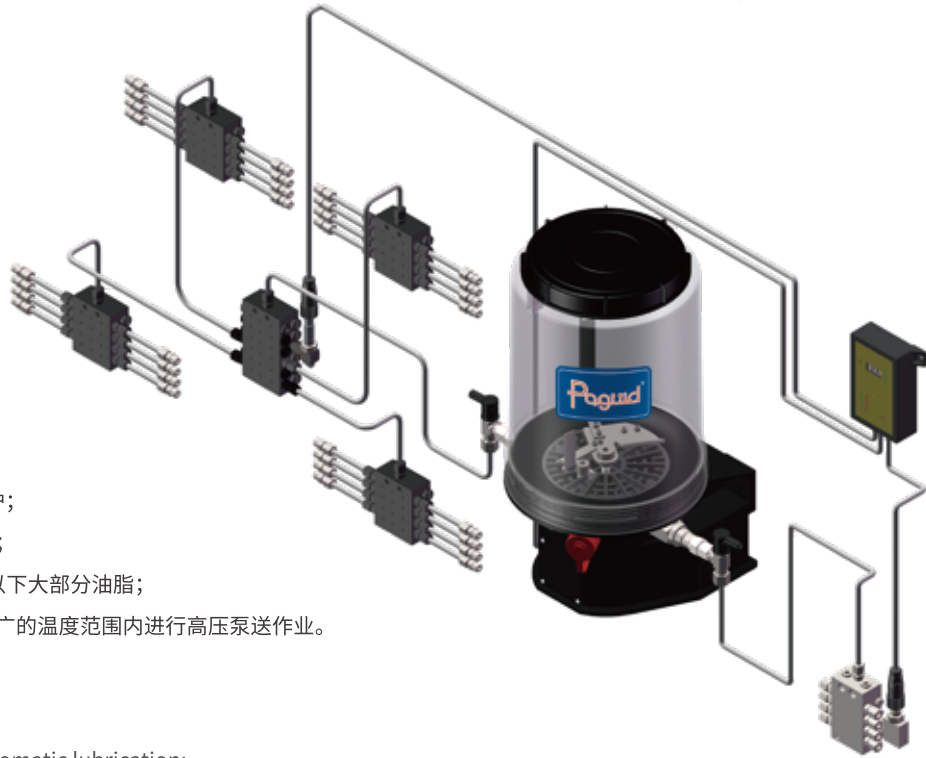


卧式加工中心
Horizontal machining centre

递进式润滑系统
Progressive Lubrication System

递进式集中润滑系统是由供给单元、递进式分配单元、管路附件和控制单元等部分组成。
递进式分配单元在供给单元泵送油压的作用下，按递进的顺序将设定油量的润滑剂供送到各润滑点。
递进式润滑系统通过额外配置监控单元，用于监控润滑系统运行状态。
递进式润滑系统采用计时控制模式或者计数控制模式；计时模式下，润滑时间/间歇时间可调；计数模式下，润滑次数/间歇时间可调。
主要应用于需要连续润滑的小型和中型设备的集中润滑作业工况。

The progressive lubrication system is composed of the supply unit, the progressive distribution unit, pipeline accessories, and the control unit.
Under the pressure from the supply unit, the progressive distribution unit delivers a fixed amount of lubricant to each lubrication point in a progressive order.
The progressive lubrication system monitors the operation status of the whole system through the control unit.
The system adopts a timing control mode or a counting control mode; in the timing mode, the lubrication time or the interval time is adjustable; in the counting mode, the lubrication frequency or the interval time can be adjusted.
It is mainly used by small and medium-sized equipment that requires centralized and continuous lubrication.



- 主要优点：
- ☐ 连续、自动润滑；
 - ☐ 便于安装，调整和维护；
 - ☐ 集成系统控制和监控；
 - ☐ 适用于NLGI 2#及其以下大部分油脂；
 - ☐ 可以在短距离内和极广的温度范围内进行高压泵送作业。

- Advantages:
- ☐ Continuous and automatic lubrication;
 - ☐ Easy to install, adjust and maintain;
 - ☐ Integrated system control and monitoring;
 - ☐ Suitable for most greases up to NLGI 2#;
 - ☐ Able to pump high-pressure lubricant to short distances and within a wide temperature range.

单线式润滑系统

Single-line Lubrication System

单线式集中润滑系统是由供给单元、单线式分配单元、压力监控单元、换向单元、管路附件和控制单元等部分组成。

单线式润滑系统由一根主油路将润滑剂输送到单线式分配单元，每个单线式分配单元仅服务于一个润滑点，可以进行调节排量（部分单线式分配单元为可选定排量规格）以提供所需的精确剂量的润滑剂。

单线式润滑系统与递进式润滑系统在组成部件上的区别是：单线系统需要配置压力监控单元和换向单元，控制单元通过识别主油路的压力信号，完成泄压油路切换，进而完成润滑注脂作业。

主要应用于需要连续润滑的中型设备的集中润滑作业工况。

The single-line lubrication system is composed of the supply unit, the single-line distribution unit, the pressure monitoring unit, a change-over unit, pipeline accessories, and the control unit.

It transports the lubricant to the single-line distribution unit by a main pipeline; each single-line distribution unit serves only one lubrication point; the displacement (the displacement of some single-line distribution units can be pre-set) is adjustable to provide a precise amount of lubricant.

The difference between the single-line lubrication system and the progressive lubrication system is that the single-line system needs to be used in conjunction with the pressure monitoring unit and the change-over unit; the control unit switches the pressure relief pipeline by recognizing the pressure signal of the main pipeline and then completes the lubrication process.

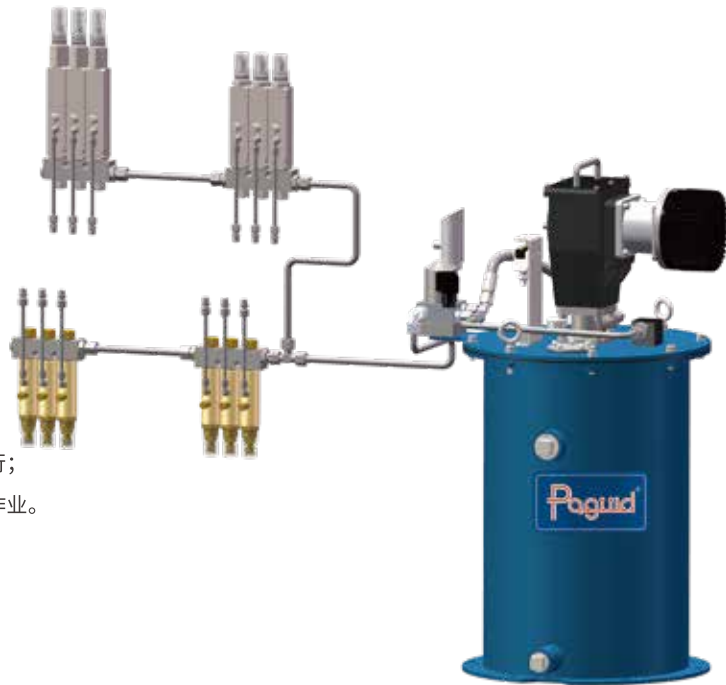
The single-line system is mainly used by medium-sized equipment that requires continuous and centralized lubrication.

主要优点：

- ☐ 连续、自动润滑；
- ☐ 便于安装，调整、扩展和维护；
- ☐ 排量可调，适用性广；
- ☐ 集成系统控制和监控；
- ☐ 适用于NLGI 2#及其以下大部分油脂；
- ☐ 某个润滑点堵塞不会影响整套润滑系统的运行；
- ☐ 可以在长距离和极广的温度范围内进行泵送作业。

Advantages:

- ☐ Continuous and automatic lubrication;
- ☐ Easy to install, adjust, expand and maintain;
- ☐ Adjustable volumetric flow and wide application;
- ☐ Integrated system control and monitoring;
- ☐ Suitable for most greases up to NLGI 2#;
- ☐ System continues to operate if one point becomes blocked;
- ☐ Able to pump long distances and within a wide temperature range.



双线式润滑系统

Dual-line Lubrication System

双线式集中润滑系统是由供给单元、双线式分配单元、压力监控单元、换向单元、管路附件和控制单元等部分组成。

双线式润滑系统由两根主油路将润滑剂输送到双线式分配单元，每个双线式分配单元的出口服务于一个润滑点，可以进行调节排量（部分双线式分配单元为可选定排量规格）以提供所需的精确剂量的润滑剂。

双线式润滑系统与单线式润滑系统在组成部件上的区别是：双线系统需要控制单元通过识别两根主油路的压力信号，完成润滑主油路切换，进而完成润滑注脂作业。

主要应用于大型设备的集中润滑作业工况。

The dual-line lubrication system is composed of the supply unit, the dual-line distribution unit, the pressure monitoring unit, the change-over unit, pipeline accessories and the control unit.

The dual-line lubrication system transports the lubricant to the dual-line distribution unit by two main pipelines; each port of the dual-line distribution unit serves only one lubrication point, and its flow rate is adjustable (the flow rate of some dual-line distribution units can be pre-set) to provide the precise amounts of lubricant.

The difference between the dual-line lubrication system and the single-line lubrication system is that the dual-line system switches the main pipeline by identifying the pressure signals of the two main pipelines through the control unit, and then completes the lubrication process.

It is mainly used by large equipment that requires centralized lubrication.

主要优点：

- ☐ 连续、自动润滑；
- ☐ 便于安装，调整、扩展和维护；
- ☐ 排量可调，适用性广；
- ☐ 集成系统控制和监控；
- ☐ 适用于NLGI 2#及其以下大部分油脂；
- ☐ 某个润滑点堵塞不会影响整套润滑系统的运行；
- ☐ 可以在长距离（最远可达120米）和极广的温度范围内进行泵送作业。

Advantages:

- ☐ Continuous and automatic lubrication;
- ☐ Easy to install, adjust, expand and maintain;
- ☐ Adjustable volumetric flow and wide application;
- ☐ Integrated system control and monitoring;
- ☐ Suitable for most greases up to NLGI 2#;
- ☐ System continues to operate if one point becomes blocked;
- ☐ Able to pump long distances (up to 120 meters) and within a wide temperature range.



电动润滑泵PG203系列

PG203 Electric Lubrication Pump

PG203电动润滑泵是一台性能优良的中央自动集中润滑泵，最多可支持3个泵芯单元，适用于递进式集中润滑系统中，常用于工程机械、客车底盘以及中小型的机械设备上。

通用性强，结构小巧紧凑，工作性能优异，采用一体化泵座主壳，以其极高的经济性使得PG203电动润滑泵得到广泛应用，同时可选配低油位报警、堵塞报警和控制单元，极大扩展了PG203电动润滑泵的行业应用范围。

The PG203 electric lubrication pump is an automatic centralized lubrication pump with excellent performance that supports up to three pump elements. It is suitable for progressive centralized lubrication systems and is commonly used in construction machinery, bus chassis and small and medium-sized mechanical equipment.

Its compact structure and integrated pump base make it highly economical and universal. Besides, its optional low-level alarm, blockage alarm and control unit significantly expand its applications in multiple industries.



技术参数 Technical Parameters

系统压力 System pressure	35MPa						
储油罐容积 Volume of reservoir	1L、2L、4L、8L						
工作电压 Operating voltage	12VDC、24VDC、230VAC						
泵芯单元 mL/分钟 Pump element mL/minute	K5	K6-2.5	K6	K7	K8	KR7	KR8
	2.0	2.5	2.8	4.0	5.0	0.7-3	1.3-5
泵芯数量 Number of pump element	1-3个 1-3 pieces						
出油口螺纹 Grease outlet thread	G1/4内螺纹 G1/4 inner thread						
工作温度 Operating temperature	-40℃ ~ +80℃						
防护等级 Protection class	IP65						
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#						

电动润滑泵PG203（油囊泵）系列

PG203 Electric Lubrication Pump (Grease Capsule)

电动润滑泵PG203（油囊泵）系列是一台性能优良的中央自动集中润滑泵，最多可支持3个泵芯单元，适用于递进式集中润滑系统中，常用于工程机械、客车底盘以及中小型的机械设备上。

通用性强，结构小巧紧凑，工作性能优异，采用一体化泵座主壳，配置可更换油囊，可实现快速补脂，同时可选配堵塞报警和控制单元。

The PG203 electric lubrication pump (grease capsule) is an automatic centralized lubrication pump with excellent performance that can support up to three pump elements. It is suitable for progressive centralized lubrication systems and is commonly used in construction machinery, bus chassis and small and medium-sized mechanical equipment.

It boasts a universal design, including the compact structure and the integrated housing; its replaceable grease capsule allows quick grease filling; besides, the blockage alarm and the control unit are optional.



技术参数 Technical Parameters

系统压力 System pressure	35MPa						
储油罐容积 Volume of reservoir	6L						
工作电压 Operating voltage	12VDC、24VDC、230VAC						
泵芯单元 mL/分钟 Pump element mL/minute	K5	K6-2.5	K6	K7	K8	KR7	KR8
	2.0	2.5	2.8	4.0	5.0	0.7-3	1.3-5
泵芯数量 Number of pump element	1-3个 1-3 pieces						
出油口螺纹 Grease outlet thread	G1/4内螺纹 G1/4 inner thread						
工作温度 Operating temperature	-40℃ ~ +80℃						
防护等级 Protection class	IP65						
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#						

电动润滑泵PG230系列
PG230 Electric Lubrication Pump

PG230电动润滑泵是一台性能优良的中央自动集中润滑泵，最多可支持4个泵芯单元，适用于递进式集中润滑系统中，常用于工程机械、客车底盘以及中小型的机械设备上。

通用性强，结构小巧紧凑，工作性能优异，泵座壳体采用高强度轻质金属，进一步提高产品的抗震性能，同时可选配低油位报警、堵塞报警和控制单元，极大扩展了PG230电动润滑泵的行业应用范围。

The PG230 electric lubrication pump is an automatic centralized lubrication pump with excellent performance that can support up to four pump elements. It is suitable for progressive centralized lubrication systems and is commonly used in construction machinery, bus chassis, and small and medium-sized mechanical equipment. It is universal, compact, and highly functional. Its pump base, which is made of high-strength lightweight metal, further improves its anti-seismic performance. Besides, its optional low-level alarm, blockage alarm and control unit significantly expand its applications in multiple industries.



技术参数 Technical Parameters

系统压力 System pressure	35MPa						
储油罐容积 Volume of reservoir	4L、6L、8L、10L、12L、15L、20L、25L、30L、40L						
工作电压 Operating voltage	12VDC、24VDC、230VAC						
泵芯单元 mL/分钟 Pump element mL/minute	K5 2.0	K6-2.5 2.5	K6 2.8	K7 4.0	K8 5.0	KR7 0.7-3	KR8 1.3-5
泵芯数量 Number of pump element	1-4个 1-4 pieces						
出油口螺纹 Grease outlet thread	G1/4内螺纹 G1/4 inner thread						
工作温度 Operating temperature	-40℃ ~ +80℃						
防护等级 Protection class	IP65						
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#						

电动润滑泵PG230U系列
PG230U Electric Lubrication Pump

电动润滑泵PG230U系列是一台性能优良的中央自动集中润滑泵，最多可支持11个泵芯单元，适用于递进式集中润滑系统或者多线式集中润滑系统中，常用于工程机械、客车底盘以及中小型的机械设备上。

通用性强，结构小巧紧凑，工作性能优异，泵座壳体采用高强度轻质金属，进一步提高产品的抗震性能，同时可选配低油位报警、堵塞报警和控制单元，极大扩展了PG230U电动润滑泵的行业应用范围。

The PG230U electric lubrication pump is an automatic centralized lubrication pump with excellent performance that can support up to 11 pump elements. It is suitable for progressive centralized lubrication systems and is commonly used in construction machinery, bus chassis, and small and medium-sized mechanical equipment. It is universal, compact, and highly functional. Its pump base, which is made of high-strength lightweight metal, further improves its anti-seismic performance. Besides, its optional low-level alarm, blockage alarm and control unit significantly expand its applications in multiple industries.



技术参数 Technical Parameters

系统压力 System pressure	35MPa						
储油罐容积 Volume of reservoir	4L、6L、8L、10L、12L、15L、20L、25L、30L、40L						
工作电压 Operating voltage	12VDC、24VDC、230VAC						
泵芯单元 Pump element	K5: 2.0mL/分钟 K5: 2.0mL/minute						
	K6: 2.8mL/分钟 K6: 2.8mL/minute						
泵芯数量 Number of pump element	1-11个 1-11 pieces						
出油口螺纹 Grease outlet thread	G1/4内螺纹 G1/4 inner thread						
工作温度 Operating temperature	-40℃ ~ +80℃						
防护等级 Protection class	IP65						
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#						

电动润滑泵PG231系列
PG231 Electric Lubrication Pump

PG231电动润滑泵是一台性能优良的中央自动集中润滑泵，最多可支持4个泵芯单元，适用于递进式集中润滑系统中，常用于工程机械、客车底盘以及中小型的机械设备上。

通用性强，结构小巧紧凑，工作性能稳定，泵座壳体采用高强度工程塑料，抗震性能优异，同时可选配低油位报警、堵塞报警和控制单元，极大扩展了PG231电动润滑泵的行业应用范围。

The PG231 electric lubrication pump is an automatic centralized lubrication pump with excellent performance that can support up to four pump elements. It is suitable for progressive centralized lubrication systems and is commonly used in construction machinery, bus chassis, and small and medium-sized mechanical equipment. It is universal, compact, and highly functional. Its pump base, which is made of high-strength lightweight metal, further improves its anti-seismic performance. Besides, its optional low-level alarm, blockage alarm and control unit significantly expand its applications in multiple industries.



技术参数 Technical Parameters

系统压力 System pressure	35MPa						
储油罐容积 Volume of reservoir	1L、2L、4L、6L、8L、10L、12L、15L、20L						
工作电压 Operating voltage	12VDC、24VDC、230VAC						
泵芯单元 mL/分钟 Pump element mL/minute	K5 2.0	K6-2.5 2.5	K6 2.8	K7 4.0	K8 5.0	KR7 0.7-3	KR8 1.3-5
泵芯数量 Number of pump element	1-4个 1-4 pieces						
出油口螺纹 Grease outlet thread	G1/4内螺纹 G1/4 inner thread						
工作温度 Operating temperature	-40℃ ~ +80℃						
防护等级 Protection class	IP65						
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#						

电动润滑泵PG230-PLUS系列
PG230-PLUS Electric Lubrication Pump

PG230-PLUS电动润滑泵是一台性能优良的中央自动集中润滑泵，最多可支持4个泵芯单元，适用于单线式集中润滑系统中，常用于工程机械、矿山设备以及中型的机械设备上。

PG230-PLUS电动润滑泵采用分段式设计，采用高强度轻质合金加工，整体结构抗震性能优异。泵芯单元通过泵座内部油路贯通，外部布置简洁美观，便于更换和维护。电动润滑泵油路出口设置压力监控单元和泄压单元，用于润滑系统建压控制，从而有助于确保润滑系统的正常润滑作业。

The PG230-PLUS electric lubrication pump is an automatic centralized lubrication pump with excellent performance that can support up to four pump elements. It is suitable for single-line centralized lubrication systems and is commonly used in construction machinery, mining equipment, and medium-sized mechanical devices. PG230-PLUS electric lubrication pump adopts a segmented design and high-strength light alloy, which give the whole structure excellent anti-seismic performance. The pump elements are connected to each other through an internal circuit in the pump base; the simple exterior layout makes it easy to replace and maintain. The outlet of the electric lubrication pump is provided with a pressure monitoring unit and a pressure relief unit for pressure control, ensuring the normal lubrication of the whole system.



技术参数 Technical Parameters

系统压力 System pressure	35MPa	
储油罐容积 Volume of reservoir	4L、6L、8L、10L、12L、15L、20L、25L、30L、40L	
工作电压 Operating voltage	12VDC、24VDC、230VAC	
泵芯单元 Pump element	3K7、3K8（常规配置） 3K7、3K8（General configuration）	
	12mL/分钟、15mL/分钟 12mL/minute、15mL/minute	
泵芯数量 Number of pump element	3-4个 3-4 pieces	
出油口螺纹 Grease outlet thread	G1/4内螺纹 G1/4 inner thread	
工作温度 Operating temperature	-40℃ ~ +80℃	
防护等级 Protection class	IP65	
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#	

电动润滑泵PG230-SLP系列
PG230-SLP Electric Lubrication Pump

电动润滑泵PG230-SLP系列是一台性能优良的中央自动集中润滑泵，最多可支持3个泵芯单元，适用于单线式集中润滑系统中，常用于工程机械、矿山设备以及中型的机械设备上。

PG230-SLP电动润滑泵采用分段式设计，采用高强度轻质合金加工，整体结构抗震性能优异。泵芯单元通过泵座内部油路贯通，外部布置简洁美观，便于更换和维护。电动润滑泵油路出口为1个，油路出口设置压力监控单元，用于润滑系统主油路的建压控制。通过润滑泵内部的机械换向阀，实现单线润滑系统的主管路泄压，从而有助于确保润滑系统的正常润滑作业。

The PG230-SLP electric lubrication pump is an automatic centralized lubrication pump with excellent performance that can support up to three pump elements. It is suitable for single-line centralized lubrication systems and is commonly used in construction machinery, mining equipment and medium-sized mechanical devices.

The PG230-SLP pump adopts a segmented design and high-strength light alloy, which give the whole structure outstanding anti-seismic performance. The pump elements are connected to each other through the internal circuit in the pump base; its simple exterior structure makes it easy to replace and maintain. The pump has one outlet that is in conjunction with a pressure monitoring unit used for controlling the pressure of the whole lubrication system. By using a mechanical change-over valve inside the lubrication pump, the main pipeline in the single-line system can be depressurized to ensure the normal operation of the lubrication system.



技术参数 Technical Parameters

系统压力 System pressure	35MPa
储油罐容积 Volume of reservoir	4L、6L、8L、10L、12L、15L、20L、25L、30L、40L
工作电压 Operating voltage	12VDC、24VDC、230VAC
泵芯单元 Pump element	3K7、3K8（常规配置） 3K7, 3K8 (Regular configuration)
	12mL/分钟、15mL/分钟 12 mL/minute, 15 mL/minute
泵芯数量 Number of pump element	3个 3 pieces
出油口螺纹 Grease outlet thread	G1/4内螺纹 G1/4 inner thread
工作温度 Operating temperature	-40°C~ +80°C
防护等级 Protection class	IP65
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#

电动润滑泵PG230-PLUS（油囊泵）系列
PG230-PLUS Electric Lubrication Pump (Grease Capsule)

电动润滑泵PG230-PLUS (油囊泵) 是一台性能优良的中央自动集中润滑泵，最多可支持4个泵芯单元，适用于单线式集中润滑系统中，常用于工程机械、矿山设备以及中型的机械设备上。

PG230-PLUS (油囊泵) 采用分段式设计，采用高强度轻质合金加工，整体结构抗震性能优异。泵芯单元通过泵座内部油路贯通，外部布置简洁美观，便于更换和维护。电动润滑泵油路出口为1个，油路出口设置压力监控单元，用于润滑系统主油路的压力控制。润滑泵采用可更换油囊设计，可实现快速补脂。

The PG230-PLUS electric lubrication pump (grease capsule) is an automatic centralized lubrication pump with excellent performance that can support up to four pump elements. It is suitable for single-line centralized lubrication systems and is commonly used in construction machinery, mining equipment and medium-sized mechanical devices.

The PG230-PLUS pump (grease capsule) adopts a segmented design and high-strength light alloy, which give the whole structure outstanding anti-seismic performance. The pump elements are connected to each other through the internal circuit in the pump base; its simple exterior structure makes it easy to replace and maintain. The pump has one outlet that is in conjunction with a pressure monitoring unit used for controlling the pressure of the whole lubrication system. The replaceable grease capsule allows rapid grease filling.



技术参数 Technical Parameters

系统压力 System pressure	35MPa
储油罐容积 Volume of reservoir	6L
工作电压 Operating voltage	12VDC、24VDC、230VAC
泵芯单元 Pump element	3K7、3K8（常规配置） (Regular configuration)
	12mL/分钟、15mL/分钟 12mL/minute、15mL/minute
泵芯数量 Number of pump element	1-4个 1-4 pieces
出油口螺纹 Grease outlet thread	G1/4内螺纹 G1/4 inner thread
工作温度 Operating temperature	-40°C~ +80°C
防护等级 Protection class	IP65
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#

电动润滑泵PG230-DLP系列
PG230-DLP Electric Lubrication Pump

PG230-DLP电动润滑泵是一台性能优良的中央自动集中润滑泵，最多可支持3个泵芯单元，适用于双线式集中润滑系统中，常用于工程机械、矿山设备以及中、大型的机械设备上。

PG230-DLP电动润滑泵采用分段式设计，采用高强度轻质合金加工，整体结构抗震性能优异。泵芯单元通过泵座内部油路贯通，外部布置简洁美观，便于更换和维护。电动润滑泵油路出口分为两个，分别通向润滑系统的两根主油路，油路出口设置压力监控单元，用于润滑系统两根主油路的建压控制，通过润滑泵内部的机械换向阀，从而有助于确保润滑系统的正常润滑作业。

The PG230-DLP electric lubrication pump is an automatic centralized lubrication pump with excellent performance that can support up to three pump elements. It is suitable for double-line centralized lubrication systems and is commonly used in construction machinery, mining equipment, and medium and large-sized mechanical devices. The PG230-DLP electric lubrication pump adopts a segmented design and high-strength light alloy, which give it outstanding anti-seismic performance. The pump elements are connected to each other through the internal circuit in the pump base. Its simple exterior structure makes it easy to replace and maintain. There are two grease outputs that connect the two main pipelines of the lubrication system, respectively. A pressure monitoring unit is installed at the outlets for the pressure control of the two main pipelines. The mechanical change-over valve inside the pump helps to ensure the normal operation of the system.



技术参数 Technical Parameters

系统压力 System pressure	35MPa
储油罐容积 Volume of reservoir	4L、6L、8L、10L、12L、15L、20L、25L、30L、40L
工作电压 Operating voltage	12VDC、24VDC、230VAC
泵芯单元 Pump element	3K7、3K8（常规配置） 3K7、3K8（General configuration）
	12mL/分钟、15mL/分钟 12mL/minute、15mL/minute
泵芯数量 Number of pump element	3个 3 pieces
出油口螺纹 Grease outlet thread	G1/4内螺纹 G1/4 inner thread
工作温度 Operating temperature	-40℃ ~ +80℃
防护等级 Protection class	IP65
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#

电动润滑泵EPG系列
EPG Electric Lubrication Pump

EPG系列电动润滑泵是一款采用直流电机驱动控制的润滑泵。润滑泵的排量与电机转速成线性关系，常适用于复杂多变的工况中。

润滑泵由直流无刷电机进行驱动，与控制系统配合使用，主要设计用于单线式集中润滑系统。当润滑部位需要加注润滑脂时，电机和电磁阀得电，润滑泵开始进行工作。当注油器完成充脂作业，系统主管路压力上升到设定压力时，压力开关向控制系统反馈信号，控制系统切断电机和电磁阀供电，系统泄压，进入下一个润滑周期。

The EPG electric lubrication pump is controlled by a DC motor. Its metering quantity is linearly related to the motor speed, making it suitable for demanding and variable working conditions. Driven by a brushless DC motor and used in conjunction with a control unit, the lubrication pump is designed for single-line centralized lubrication systems. When lubricant should be delivered to lubrication parts, the motor and solenoid valve are energized and the pump begins to work. After the injector completes its work and the required system oil pressure is built up, the pressure switch transmits the signal to the control unit, which cuts off the power supply of the motor and the solenoid valve, and the whole system relieves pressure and enters the next lubrication cycle.



技术参数 Technical Parameters

最大系统压力 Maximum system pressure	35MPa
产品规格 Product specification	18Kg、27Kg、41Kg、54Kg、180Kg
电机工作电压 Motor operating voltage	24VDC
电机功率 Motor power	200W
电机转速 Motor speed	1500RPM
减速比 Reduction ratio	8:1、20:1、40:1
每循环排量 Displacement of each cycle	1.15cc
出油口螺纹 Grease outlet thread	1/4NPTF 内螺纹（泵管）、3/4NPTF内螺纹（润滑泵） 1/4NPTF inner thread(Pump tube), 3/4NPTF inner thread(Lubrication Pump)
工作温度 Operating temperature	-40℃ ~ +65℃
防护等级 Protection class	IP65
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#

液压润滑泵HPG系列
 HPG Hydraulic Lubrication Pump

HPG系列液压润滑泵是一款采用液压马达驱动控制的润滑泵。润滑泵的排量与液压马达转速成线性关系，常适用于复杂多变的工况中。
 润滑泵由液压马达进行驱动，与控制系统配合使用，主要设计用于单线式集中润滑系统。当润滑部位需要加注润滑脂时，液压马达前端电磁阀得电，润滑泵开始进行工作。当注油器完成充脂作业，系统主管路压力上升到设定压力时，压力开关向控制系统反馈信号，控制系统切断液压马达前端电磁阀供电，系统泄压，进入下一个润滑周期。

The HPG hydraulic lubrication pump is controlled by a hydraulic motor. Its metering quantity is linearly related to the hydraulic motor speed, which makes it suitable for demanding and variable working conditions.
 Driven by a hydraulic motor and used in conjunction with a control system, the pump is designed for single-line centralized lubrication systems. When lubricant should be delivered to lubrication points, the solenoid valve located at the front of the hydraulic motor is energized, and the lubrication pump begins to work. After the injector completes its work and the required system oil pressure is built up, the pressure switch transmits the signal to the control unit, which cuts off the power supply of the solenoid valve, and the whole system relieves pressure and enters the next lubrication cycle.



技术参数 Technical Parameters

最大系统压力 Maximum System pressure	35MPa
产品规格 Product specification	18Kg、27Kg、41Kg、54Kg、180Kg
电磁阀工作电压 solenoid valve operating voltage	24VDC
液压油工作压力 Hydraulic grease working pressure	最大205bar Maximum: 205 bar
液压油减压后压力 Relief pressure of Hydraulic grease	7-23bar
液压油流量 Hydraulic grease rate of flow	最大7.6L/分钟 Max 7.6L/minute
液压油工作温度 Hydraulic grease Operating temperature	最大93℃ Maximum 93℃
增压比 pressure ratio	10:1
每循环排量 Displacement of each cycle	1.15cc
出油口螺纹 Grease outlet thread	1/4NPTF 内螺纹（泵管）、3/4NPTF内螺纹（润滑泵） 1/4NPTF inner thread(Pump tube), 3/4NPTF inner thread(Lubrication Pump)
工作温度 Operating temperature	-40℃ ~ +65℃
防护等级 Protection class	IP65
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#

液压润滑泵HCH系列
 HCH Hydraulic Lubrication Pump

HCH系列液压润滑泵是一款液压操作的双作用活塞泵，该润滑泵使用单线并行润滑脂计量组件，在上冲程和下冲程都能分配润滑脂，与循环定时控制系统搭配使用，常用于单线式集中润滑系统中。
 当润滑部位需要加注润滑脂时，液压润滑泵前端电磁阀得电，润滑泵开始进行工作。当注油器完成充脂作业，系统主管路压力上升到设定压力时，压力开关向控制系统反馈信号，控制系统切断液压润滑泵前端电磁阀供电，系统泄压，进入下一个润滑周期。

The HCH the hydraulic lubrication pump is a double-acting piston pump that is operated by hydraulic pressure. It uses a single-line parallel metering component to deliver greases at both the up and down strokes. It operates in conjunction with the cyclic timing control system and is often applied by single-line centralized lubrication systems.
 When lubricant should be delivered to lubrication points, the solenoid valve located at the front of the hydraulic motor is energized, and the pump begins to work. After the injector completes its work and the required system oil pressure is built up, the pressure switch transmits the signal to the control unit, which cuts off the power supply of the solenoid valve, and the whole system relieves pressure and enters the next lubrication cycle.



技术参数 Technical Parameters

产品规格 Product specification	18Kg、27Kg、41Kg、54Kg、180Kg
最大工作压力 Maximum working pressure	30MPa
电磁阀工作电压 Solenoid valve operating voltage	24VDC
增压比 pressure ratio	15:1
每循环排量 Displacement of each cycle	8.8cc
出油口螺纹 Grease outlet thread	1/4NPTF 内螺纹（泵管）、3/4NPTF内螺纹（润滑泵） 1/4NPTF inner thread(Pump tube), 3/4NPTF inner thread(Lubrication Pump)
液压油工作压力 Hydraulic grease working pressure	20bar-205bar
液压油流量 Hydraulic grease rate of flow	0.25-3.0L/分钟 0.25-3.0L/minute
液压油工作温度 Hydraulic grease operating temperature	最大93℃ Maximum 93℃
润滑泵工作温度 Pump operating temperature	-40℃ ~ +65℃
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#

气动泵AOGP系列
AOGP Pneumatic Pump

AOGP系列气动润滑泵是一款气动操作的双作用活塞泵,该润滑泵使用单线并行润滑脂计量组件,在上冲程和下冲程都能分配润滑脂,与控制系统搭配使用,常用于单线式集中润滑系统中。

当润滑部位需要加注润滑脂时,气动润滑泵前端电磁阀得电,润滑泵开始进行工作。当注油器完成充脂作业,系统主管路压力上升到设定压力时,压力开关向控制系统反馈信号,控制系统切断气动润滑泵前端电磁阀供电,系统泄压,进入下一个润滑周期。

The AOGP pneumatic pump is a double-acting piston pump that is operated by air. It uses a single-line parallel metering component to deliver greases for both the up and down strokes. It operates in conjunction with a control unit and is often applied by single-line centralized lubrication systems. When lubricant should be delivered to lubrication points, the solenoid valve located at the front of the pneumatic pump is energized, and the pump begins to work. When the injector completes its work and the required system oil pressure is built up, the pressure switch transmits the signal to the control unit, which cuts off the power supply of the solenoid valve, and the whole system relieves pressure and enters the next lubrication cycle.



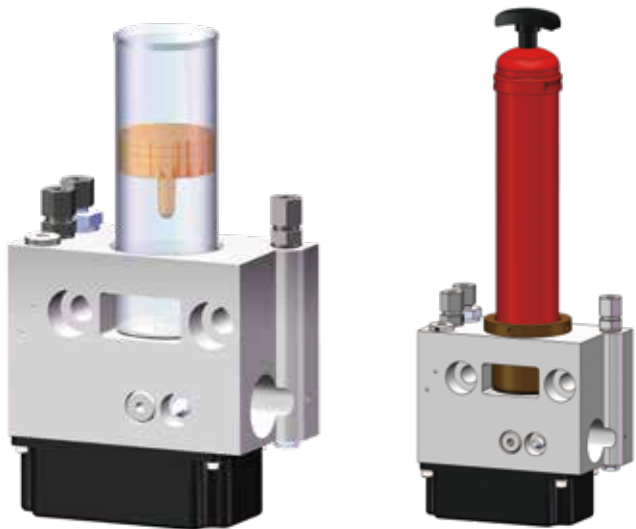
技术参数 Technical Parameters

产品规格 Product specification	18Kg、27Kg、41Kg、54Kg、180Kg
最大工作压力 Maximum working pressure	30MPa
压缩气压 Compressed air pressure	3-10bar
电磁阀工作电压 solenoid valve operating voltage	24VDC
增压比 Pressure ratio	50:1
每循环排量 Displacement of each cycle	5.7cc
每分钟最大排量 Maximum displacement per minute	0.43L/分钟@75循环 0.43L/minute @75cycle
出油口螺纹 Grease outlet thread	1/4NPTF 内螺纹 (泵管)、3/4NPTF内螺纹 (润滑泵) 1/4NPTF inner thread(Pump tube), 3/4NPTF inner thread(Lubrication Pump)
润滑泵工作温度 Pump Operating temperature	-34°C ~ +93°C
适用油脂类型 Applicable grease type	NLGI 2#及其以下润滑剂 Up to NLGI 2#

HDHL系列破碎锤自动润滑泵
HDHL Automatic Lubrication Pump for Crushing Hammers

HDHL系列破碎锤自动润滑泵结构紧凑,可直接安装在液压锤、液压钳等液压工具上,依靠车载液压系统驱动,无需额外提供动力、辅助电源或控制阀;油杯可重复利用,更换方便、快捷,维护成本低;与主机同步运行,可实现连续自动润滑;流量可调,可实现定点、定量润滑,减少环境污染。

The HDHL automatic lubrication pump for crushing hammers has a compact structure that can be directly installed on hydraulic tools such as hydraulic hammers and hydraulic pliers. Since it is driven by the on-board hydraulic system, additional drives or control valves are not required. The grease cup can be reusable and replaceable, making it economical to maintain. Synchronous operation with the main engine enables the pump to have continuous automatic lubrication. Adjustable flow rates can achieve fixed-point and precise amounts of lubrication to reduce environmental pollution.



技术参数 Technical Parameters

最大工作压力 Maximum working pressure	120bar
液压压力 Hydraulic pressure	40bar-250bar
排量 Displacement	0.2cc/stroke
可调转速范围 Adjustable Rotationspeed range	4-20RPM
出厂预设转速 Factory preset rotationspeed	4RPM
适用油脂 Grease	NLGI 2#及其以下润滑剂 Up to NLGI 2#
液压接口规格 Hydraulic interface specifications	M16x1.5 (DKO-S)
油脂接口规格 Grease interface specifications	M16x1.5 (DKO-S)
工作温度 Working temperature	-25°C ~ +80°C

PG-LC24智能控制器

PG-LC24 Intelligent Controller

PG-LC24智能控制器可以保证润滑系统能够得到有效控制，配有视觉和听觉故障通知。该控制器配置数码管显示，可以目视化识别润滑系统运行状态和设定参数，快速有效的解决润滑系统问题。

该控制器可用于递进式、单线式和双线式润滑系统中，因其紧凑小巧的空间设计，超高的结构强度，便携的安装方式，广泛应用于农业机械、工程机械和工业机械等应用环境中。

PG-LC24 makes sure that the lubrication system is fully under control by notifying users with a visual and auditory failure alarm. It is designed to work in conjunction with a digital display, which shows the operating status and parameters to help users take early action. This controller is suitable for progressive, single-line and dual-line lubrication systems. Because it is compact, solid and portable, it is widely used by agricultural, construction, and industrial machinery.



技术参数 Technical Parameters

工作电压 Working voltage	10-30VDC
工作温度 Working temperature	-15°C ~ +50°C
最大输出电流 Maximum output current	7A
报警信号最大输出电流 Maximum output current of alarm signal	3A
过载保护 Overload protection	具备过载保护 Available
防护等级 Protection class	IP54
通讯接口 Communication interface	RS232/RS485

PG-SSV分配阀

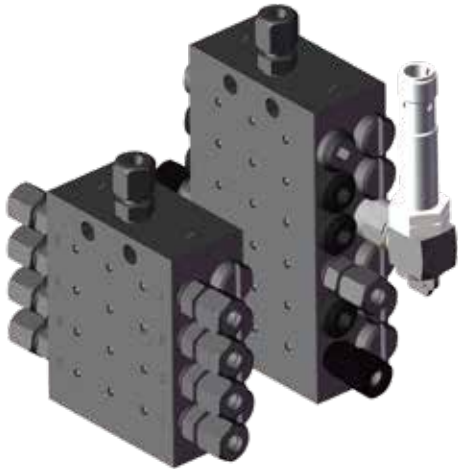
PG-SSV Distributor

PG-SSV分配阀是一种单次供给定量油脂的柱塞式阀。该分配阀可以通过堵住一个出口，将被堵出口的油脂供给到下一个出口，从而使下个油口的油量翻倍，进而实现不同油脂需求量的目的。

PG-SSV分配阀最大的特点是各出口是递进关系，后一个出口必须等到前一个出口出脂后才能出脂，根据这一特点可以通过增加目视化装置或者电子监控装置判定分配阀工作状态。

分配阀出口数为6-24 (均为偶数)，可以使用最高NLGI 2#及其以下的油脂，或黏度大于40cSt的油脂。

PG-SSV分配阀在设计时，避免采用易于损坏的非金属密封结构；精巧的滑阀结构、耐高压的端面密封结构 (金属接触密封)，可以满足高温、高寒等工况的应用需求。



The PG-SSV distributor is a piston valve that supplies a fixed amount of greases each time. By blocking one port, the distributor can deliver lubricant to the next port, so that the flow rate of the next port will be doubled and the different demands for metering quantity will be satisfied.

A major feature of the PG-SSV distributor is that ports are in a progressive relationship, meaning the latter port has to wait until the former one releases grease. Based on that, the working condition of the distributor can be checked by adding a visual device or an electronic monitor. Each distributor has 6-24 (even numbers) ports and is able to deliver greases up to NLGI 2# or greases with a viscosity greater than 40 cSt.

The PG-SSV distributor is made of non-fragile and non-metallic sealing materials. Its exquisite sliding valve and high pressure-resistant sealing structure (metal sealing) make it able to withstand high and low temperatures and many other harsh working conditions.

技术参数 Technical Parameters

出口数 Number of ports	6-24口 6-24 ports
最大工作压力 Maximum working pressure	350bar
出口间最大压差 Maximum pressure difference between ports	100bar
每出口排量 Displacement of each port	0.2cc
进口螺纹规格 Inlet thread	G1/8" 内螺纹 G1/8" inner thread
出口螺纹规格 Outlet thread	M10x1 (需配置出口单向阀) M10x1 (Need to be equipped with an outlet one-way valve.)
材料 Material	碳钢, 镀锌镍合金 Carbon steel, galvanized nickel alloy
工作温度 Working temperature	-40°C ~ +80°C

PG-SSVD分配阀
PG-SSVD Distributor

PG-SSVD分配阀的每个出口排量都可以进行调节, 通过使用不同长度的计量螺栓达到不同排量的润滑需求。即使在安装后, 也可快速便捷的更换计量螺栓进行调整排量。

PG-SSVD分配阀继承了PG-SSV分配阀的基本功能, 也可以进行多出口油路合并, 同时提供了更多的排量可供选择。

PG-SSVD分配阀无泄漏、无污染、耐高温和高腐蚀性环境。

The flow rate of each port of the PG-SSVD distributor can be changed at a fast speed by adjusting different lengths of metering bolts, even after installation.
The PG-SSVD distributor offers the same features of the PG-SSVD distributor but includes more delivery rate options.
It causes no pollution thanks to its leak-free structure; it is also resistant to high temperatures and corrosive environments.



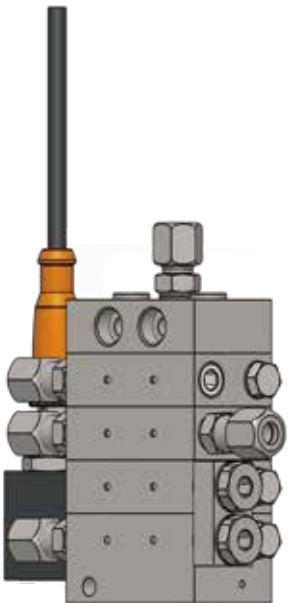
技术参数 Technical Parameters

出口数 Number of ports	6-22口 6-22 ports
最大工作压力 Maximum working pressure	350bar
出口间最大压差 Maximum pressure difference between ports	100bar
每出口排量 Displacement of each port	0.08cc/0.14cc/0.2cc/0.3cc/0.4cc/0.6cc/0.8cc/1.0cc/1.4cc/1.8cc
进口螺纹规格 Inlet thread	G1/8" 内螺纹 G1/8" inner thread
出口螺纹规格 Outlet thread	M10x1 (需配置出口单向阀) M10x1 (Need to be equipped with an outlet one-way valve.)
材料 Material	碳钢, 镀锌镍合金 Carbon steel, galvanized nickel alloy
工作温度 Working temperature	-40°C ~ +80°C

PGMD-1000分配阀
PGMD-1000 Distributor

PGMD-1000分配阀采用模块化设计, 通用化程度高, 易于安装和维护, 并带有循环指示器等特点。根据实际使用情况, 一组分配器可选择不同组合的碟片数量 (中间块最少为2片, 最多为11片; 末端块为1片), 可相应选择向最多不超过24点的润滑点供油。

Adopting a modular design and indicator pins, the PGMD-1000 distributor is universal and easy to install and maintain. Blocks are able to be combined based on the actual usage to form different distributors (the middle module needs at least 2 blocks and at most 11 blocks; the end module has only one block). The PGMD-1000 distributor is capable of delivering lubricant to up to 24 points.



技术参数 Technical Parameters

出口数 Number of ports	6-24口 6-24 ports
最大工作压力 Maximum working pressure	350bar
出口间最大压差 Maximum pressure difference between ports	100bar
每出口排量 Displacement of each port	0.025cc/0.045c/0.075cc/0.105cc
进口螺纹规格 Inlet thread	M10x1内螺纹
出口螺纹规格 Outlet thread	M10x1 (需配置出口单向阀) M10x1 (Need to be equipped with an outlet one-way valve.)
材料 Material	碳钢, 镀锌镍合金 Carbon steel, galvanized nickel alloy
工作温度 Working temperature	-40°C ~ +80°C

PMBS分配阀
PMBS Distributor

PMBS分配阀采用模块化设计, 可从基座装置拆除可更换的工作块, 无需打乱任何润滑管路, 最大程度的降低人工成本, 延长设备运行时间。配置磁性和电子接近开关循环指示器等配件, 为润滑系统提供运维保障, 同时外部可选故障指示器, 便于精确快速排除故障。出口位置内置单向阀, 可确保润滑脂单次加注量精确无误。

Since the PMBS distributor adopts a modular design, its blocks can be removed from the base without disrupting any lubrication pipelines, minimizing labor costs and extending the operating time of equipment. Accessories such as the magnetic and electronic proximity switch and indicator pins provide operation and maintenance support for the lubrication system. Besides, fault indicators are externally optional for accurate and fast troubleshooting. Its ports are designed to work with built-in one-way valves to ensure accurate grease flow of every single stroke.



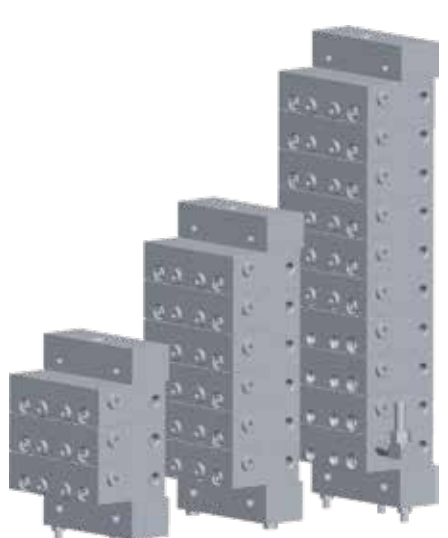
技术参数 Technical Parameters

出口数 Number of ports	6-24口 6-24 ports		
最大工作压力 Maximum working pressure	241bar		
出口间最大压差 Maximum pressure difference between ports	100bar		
最大循环次数 Maximum cycles	60CPM (带循环指示器) 60CPM(Cycle Indicators) 200CPM (无循环指示器) 200CPM(No cycle Indicators)		
每出口排量 mL/循环 Displacement of each outlet mL/cycle	规格 specification	双出口 Double ports	单出口 Single port
	PMBS-05	0.08	0.16
	PMBS-075	0.12	0.24
	PMBS-10	0.16	0.33
	PMBS-15	0.26	0.49
	PMBS-20	0.33	0.66
	PMBS-25	0.41	0.82
	PMBS-30	0.49	0.98
	PMBS-35	0.57	1.15
	PMBS-40	0.66	1.31
进口螺纹规格 Inlet thread	G1/4内螺纹 G1/4 inner thread		
出口螺纹规格 Outlet thread	G1/8内螺纹 G1/8 inner thread		
材料 Material	碳钢, 镀蓝白锌 Carbon steel, blue-white zinc plating		
工作温度 Working temperature	-40℃ ~ +80℃		

PMBX分配阀
PMBX Distributor

PMBX分配阀采用模块化设计, 可从基座装置拆除可更换的工作块, 无需打乱任何润滑管路, 最大程度的降低人工成本, 延长设备运行时间。配置磁性和电子接近开关循环指示器等配件, 为润滑系统提供运维保障, 同时外部可选故障指示器, 便于精确快速排除故障。出口位置内置单向阀, 可确保润滑脂单次加注量精确无误。

Since the PMBX distributor adopts a modular design, its blocks can be removed from the base without disrupting any lubrication pipelines, minimizing labor costs and extending the operating time of equipment. Accessories such as magnetic and electronic proximity switch and indicator pins provide operation and maintenance support for the lubrication system. Besides, fault indicators are available to be installed externally for accurate and fast troubleshooting. Its ports are designed to work with built-in one-way valves to ensure accurate grease flow of every single stroke.



技术参数 Technical Parameters

出口数 Number of ports	6-20口 6-20 ports		
最大工作压力 Maximum working pressure	207bar 207 bar		
出口间最大压差 Maximum pressure difference between ports	100bar		
最大循环次数 Maximum cycles	60CPM (带循环指示器) 60CPM(Cycle Indicators) 200CPM (无循环指示器) 200CPM(No cycle Indicators)		
每出口排量 mL/循环 Displacement of each outlet mL/cycle	规格 specification	双出口 Double ports	单出口 Single port
	PMBX-25	0.41	0.82
	PMBX-50	0.82	1.64
	PMBX-75	1.23	2.46
	PMBX-100	1.64	3.28
	PMBX-125	2.05	4.1
	PMBX-150	2.46	4.92
进口螺纹规格 Inlet thread	G3/8内螺纹 G3/8 inner thread		
出口螺纹规格 Outlet thread	G1/4内螺纹 G1/4 inner thread		
材料 Material	碳钢, 镀蓝白锌 Carbon steel, blue-white zinc plating		
工作温度 Working temperature	-40℃ ~ +80℃		

PG-SL-1单线注油器

PG-SL-1 Single-line Injector

PG-SL-1系列注油器适用于单线高压集中润滑系统中, 该系列注油器可泵送NLGI 2#和NLGI2#以下油脂; 输出排量可调, 指示针可实现目视化观察注油器工作状态; 模块化设计, 可实现单支快速拆修和更换。

PG-SL-1 injectors are suitable for single-line high-pressure centralized lubrication systems. It is capable of delivering greases up to NLGI 2#; its flow rate is adjustable and the indicator pins can amplify the working status of injectors; its modular design allows rapid disassembly and replacement of every individual part.



技术参数 Technical Parameters

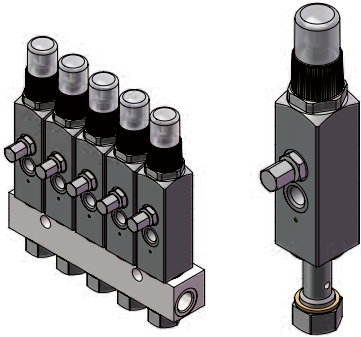
产品规格 Produce specification	注油器排量 (cc) Displacement of injector(cc)		工作压力(bar) Working pressure(bar)				接口规格 Interface specification	
	最小 Min	最大 Max	最小 Min	最大 Max	推荐 Typical	泄压 Vent	安装座入口 Installation base inlet	注油器出口 Injector outlet
PG-SL-1	0.131	1.31	127	241	172	41	G3/8 3/8NPTF	1/8 NPTF

PG-SL-1R单线注油器

PG-SL-1R Single-line Injector

PG-SL-1R系列注油器适用于单线高压集中润滑系统中, 该系列注油器可泵送NLGI 2#和NLGI 2#以下油脂; 输出排量可调, 指示针可实现目视化观察注油器工作状态; 模块化设计, 可实现单支快速拆修和更换; 与PG-SL-1相比主要体现在外观的差异性。

The PG-SL-1R injector is suitable for single-line high-pressure centralized lubrication systems; it is capable of delivering greases up to NLGI 2#; its flow rate is adjustable and the indicator pins can amplify the working status of injectors; its modular design allows rapid disassembly and replacement of every individual part. PG-SL-1R offers the same features as the PG-SL-1 but has a slight difference in appearance.



技术参数 Technical Parameters

产品规格 Produce specification	注油器排量 (cc) Displacement of injector(cc)		工作压力(bar) Working pressure(bar)				接口规格 Interface specification	
	最小 Min	最大 Max	最小 Min	最大 Max	推荐 Typical	泄压 Vent	安装座入口 Installation base inlet	注油器出口 Injector outlet
PG-SL-1R	0.131	1.31	127	241	172	41	G3/8 3/8NPTF	1/8 NPTF

PG-SL-V XL单线注油器

PG-SL-V XL Single-line Injector

PG-SL-V XL系列注油器适用于单线高压集中润滑系统中, 该系列注油器可泵送NLGI 2#和NLGI 2#以下油脂; 输出排量可调, 指示针可实现目视化观察注油器工作状态; 模块化设计, 可实现单支快速拆修和更换。

PG-SL-V XL injector is suitable for single-line high-pressure centralized lubrication systems. It is capable of delivering greases up to NLGI 2#; its flow rate is adjustable and the indicator pins can amplify the working status of injectors; its modular design allows rapid disassembly and replacement of every individual part.



技术参数 Technical Parameters

产品规格 Produce specification	注油器排量 (cc) Displacement of injector(cc)		工作压力(bar) Working pressure(bar)				接口规格 Interface specification	
	最小 Min	最大 Max	最小 Min	最大 Max	推荐 Typical	泄压 Vent	安装座入口 Installation base inlet	注油器出口 Injector outlet
PG-SL-V XL	0.25	5	128	413	172	70	G3/8 3/8 NPTF	1/8 NPTF

PG-SL-V单线注油器

PG-SL-V Single-line Injector

PG-SL-V系列注油器适用于单线高压集中润滑系统中, 该系列注油器可泵送NLGI 2#和NLGI 2#以下油脂; 输出排量可调, 指示针可实现目视化观察注油器工作状态; 模块化设计, 可实现单支快速拆修和更换。

PG-SL-V injector is suitable for single-line high-pressure centralized lubrication systems. It is capable of delivering greases up to NLGI 2#; its flow rate is adjustable, and the indicator pins can amplify the working status of injectors; its modular design allows rapid disassembly and replacement of every individual part.



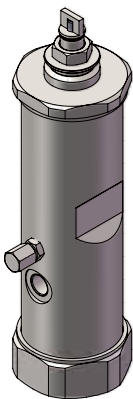
技术参数 Technical Parameters

产品规格 Produce specification	注油器排量 (cc) Displacement of injector(cc)		工作压力(bar) Working pressure(bar)				接口规格 Interface specification	
	最小 Min	最大 Max	最小 Min	最大 Max	推荐 Typical	泄压 Vent	安装座入口 Installation base inlet	注油器出口 Injector outlet
PG-SL-V	0.25	1.31	128	415	172	70	G3/8 3/8NPTF	1/8 NPTF

PG-SL-11单线注油器
PG-SL-11 Single-line Injector

PG-SL-11系列注油器适用于单线高压集中润滑系统中, 该系列注油器可泵送NLGI 2#和NLGI 2#以下油脂; 输出排量可调, 指示针可实现目视化观察注油器工作状态; 仅作为具备1/2 NPTF进油口的单个单元提供。

PG-SL-11 injector is suitable for single-line high-pressure centralized lubrication systems. It is capable of delivering greases up to NLGI 2#; its flow rate is adjustable and the indicator pins can amplify the working status of injectors; it is only provided as a single unit with 1/2 NPTF inlet.



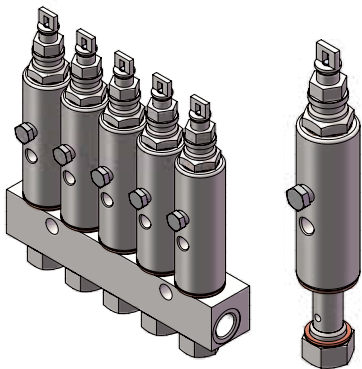
技术参数 Technical Parameters

产品规格 Produce specification	注油器排量 (cc) Displacement of injector(cc)		工作压力(bar) Working pressure(bar)				接口规格 Interface specification	
	最小 Min	最大 Max	最小 Min	最大 Max	推荐 Typical	泄压 Vent	安装座入口 Installation base inlet	注油器出口 Injector outlet
PG-SL-11	0.82	8.2	69	241	172	55	1/2 NPTF	1/4 NPTF

PG-SL-44单线注油器
PG-SL-44 Single-line Injector

PG-SL-44系列注油器适用于单线高压集中润滑系统中, 该系列注油器可泵送NLGI 2#和NLGI 2#以下油脂; 输出排量可调, 指示针可实现目视化观察注油器工作状态; 模块化设计, 可实现单支快速拆修和更换。

PG-SL-44 injector is suitable for single-line high-pressure centralized lubrication systems; it is capable of delivering greases up to NLGI 2#; its flow rate is adjustable and the indicator pins can amplify the working status of injectors; its modular design allows rapid disassembly and replacement of every individual part.



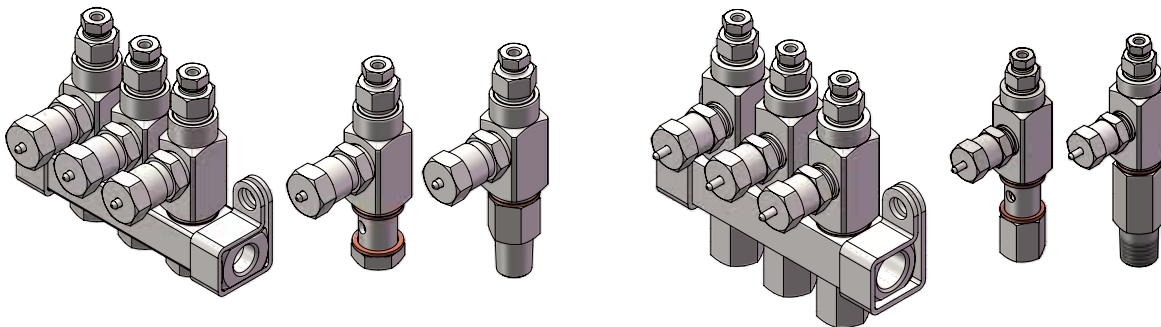
技术参数 Technical Parameters

产品规格 Produce specification	注油器排量 (cc) Displacement of injector(cc)		工作压力(bar) Working pressure(bar)				接口规格 Interface specification	
	最小 Min	最大 Max	最小 Min	最大 Max	推荐 Typical	泄压 Vent	安装座入口 Installation base inlet	注油器出口 Injector outlet
PG-SL-44	0.131	1.31	52	69	59	10	G3/8 3/8NPTF	1/8 NPTF

PG-SL-32、PG-SL-42、PG-SL-43单线注油器
PG-SL-32、PG-SL-42、PG-SL-43 Single-line Injector

PG-SL系列注油器适用于流体或者半流体润滑剂的单线式集中润滑系统中。润滑剂输出外部可调, 指示针可实现目视化观察注油器工作状态; 模块化设计, 可实现单支快速拆修和更换。

PG-SL 32/42/43 injectors are suitable for single-line high-pressure centralized lubrication systems with fluid or semi-fluid lubricant running through. Its flow rate is adjustable, and the indicator pins can amplify the working status of injectors; its modular design allows rapid disassembly and replacement of every individual part.



技术参数 Technical Parameters

产品规格 Produce specification	注油器排量 (cc) Displacement of injector(cc)		工作压力(bar) Working pressure(bar)				接口规格 Interface specification	
	最小 Min	最大 Max	最小 Min	最大 Max	推荐 Typical	泄压 Vent	安装座入口 Installation base inlet	注油器出口 Injector outlet
PG-SL-32	0.016	0.131	83	241	103	14	1/4NPTF	可选Optional

产品规格 Produce specification	注油器排量 (cc) Displacement of injector(cc)		工作压力(bar) Working pressure(bar)				接口规格 Interface specification	
	最小 Min	最大 Max	最小 Min	最大 Max	推荐 Typical	泄压 Vent	安装座入口 Installation base inlet	注油器出口 Injector outlet
PG-SL-42	0.016	0.049	52	69	59	10	1/4NPTF	可选Optional

产品规格 Produce specification	注油器排量 (cc) Displacement of injector(cc)		工作压力(bar) Working pressure(bar)				接口规格 Interface specification	
	最小 Min	最大 Max	最小 Min	最大 Max	推荐 Typical	泄压 Vent	安装座入口 Installation base inlet	注油器出口 Injector outlet
PG-SL-43	0.016	0.131	52	69	59	10	1/4NPTF	可选Optional

PG-DLDA双线分配阀

PG-DLDA Dual-line Distributor

PG-DLDA双线分配阀采用优质合金钢加工而成, 设计用于双线式集中润滑系统中, 最大运行压力400bar。具有多大10个出口, 每对出口可配有一个指示针, 进行可视化或电气检测, 单出口排量固定1.8mL/循环。

Made of high-quality alloy steel, the PG-DLDA distributor is designed for dual-line centralized lubrication systems with a maximum operating pressure of 400 bar. It has at most 10 ports, and each pair of ports is designed to work in conjunction with an indicator pin for visual or electrical monitoring. The flow rate of each port is set at 1.8 mL/cycle.



技术参数 Technical Parameters

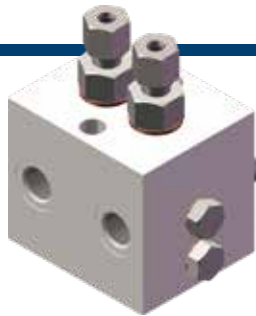
出口数 Number of ports	4-10口 4-10 ports
最大工作压力 Maximum working pressure	400bar
每出口排量 Displacement of each outlet	1.8cc
进口螺纹规格 Inlet thread	G 1/4内螺纹 G1/4 inner thread
出口螺纹规格 Outlet thread	G 1/8内螺纹 G1/8 inner thread
材料 Material	碳钢, 镀锌镍合金 Carbon steel, galvanized nickel alloy
工作温度 Working temperature	-40°C ~ +80°C

PG-DLDB双线分配器

PG-DLDB Dual-line Distributor

PG-DLDB双线分配阀采用优质合金钢加工而成, 设计用于双线式集中润滑系统中, 最大运行压力400bar。具有多大8个出口, 每对出口可配有一个指示针, 进行可视化或电气监测。

Made of high-quality alloy steel, the PG-DLDB distributor is designed for dual-line centralized lubrication systems with a maximum operating pressure of 400 bar. It has at most 8 ports, and each pair of ports is designed to work in conjunction with an indicator pin for visual or electrical monitoring.



技术参数 Technical Parameters

出口数 Number of ports	2-8口 2-8 ports
最大工作压力 Maximum working pressure	400bar
每出口排量 Displacement of each outlet	0.07cc/0.1cc/0.15cc/0.22cc/0.3cc
进口螺纹规格 Inlet thread	G 1/4内螺纹 G1/4 inner thread
出口螺纹规格 Outlet thread	G 1/4内螺纹 G1/4 inner thread
材料 Material	碳钢, 镀锌镍合金 Carbon steel, galvanized nickel alloy
工作温度 Working temperature	-40°C ~ +80°C

PG-DLDG双线分配器

PG-DLDG Dual-line Distributor

PG-DLDG双线分配阀采用优质合金钢加工而成, 设计用于双线式集中润滑系统中, 最大运行压力400bar。具有多大8个出口, 每对出口可配有一个指示针, 进行可视化或电气监测, 单出口输出排量可调。

Made of high-quality alloy steel, the PG-DLDG distributor is designed for dual-line centralized lubrication systems with a maximum operating pressure of 400 bar; it has at most 8 ports, and each pair of ports is designed to work in conjunction with an indicator pin for visual or electrical monitoring; its delivery rate of each port is adjustable.



技术参数 Technical Parameters

出口数 Number of ports	2-8口 2-8 ports
最大工作压力 Maximum working pressure	400bar
每出口排量 Displacement of each outlet	0-2.3cc/循环 (可调) 0-2.3cc/cycle (adjustable)
进口螺纹规格 Inlet thread	G 3/8内螺纹 G3/8 inner thread
出口螺纹规格 Outlet thread	G 1/4内螺纹 G1/4 inner thread
材料 Material	碳钢, 镀锌镍合金 Carbon steel, galvanized nickel alloy
工作温度 Working temperature	-40°C—80°C

PG-DLDDL双线分配器

PG-DLDDL Dual-line Distributor

PG-DLDDL双线分配阀采用优质合金钢加工而成, 设计用于双线式集中润滑系统中, 最大运行压力400bar。具有多大8个出口, 每对出口可配有一个指示针, 进行可视化或电气监测, 单出口输出排量可调。

Made of high-quality alloy steel, the PG-DLDDL distributor is designed for dual-line centralized lubrication systems with a maximum operating pressure of 400 bar; it has at most 8 ports, and each pair of ports is designed to work in conjunction with an indicator pin for visual or electrical monitoring; its delivery rate of each port is adjustable.



技术参数 Technical Parameters

出口数 Number of ports	2-8口 2-8 ports
最大工作压力 Maximum working pressure	400bar
每出口排量 Displacement of each outlet	0-5cc/循环 (可调) 0-5cc/cycle (adjustable)
进口螺纹规格 Inlet thread	G 3/8内螺纹 G3/8 inner thread
出口螺纹规格 Outlet thread	G 1/4内螺纹 G1/4 inner thread
材料 Material	碳钢, 镀锌镍合金 Carbon steel, galvanized nickel alloy
工作温度 Working temperature	-40°C ~ +80°C

液压换向阀、气压换向阀

Hydraulic Change-over Valve, Pneumatic Change-over Valve

盘古液压泄压阀用于以液压源为驱动的单线式集中润滑系统中。液压源向液压泄压阀顶部供给一定压力的液压油时，液压油压力施加到液压泄压阀上，内部锥阀闭合，回油管路被关闭，此时润滑系统主管路建压；液压源切断液压油供给时，内部锥阀打开，回油管路被打开，此时润滑系统主管路泄压。

Paguld hydraulic pressure relief valve is applied in single-line centralized lubrication systems driven by a hydraulic source. When the hydraulic source supplies hydraulic pressured greases to the top of the hydraulic relief valve, the pressure from hydraulic greases is applied to the hydraulic pressure relief valve, and then the internal cone valve and the return tube are closed, and the main pipeline of the lubrication system builds up pressure. After the hydraulic source stops supplying hydraulic greases, the internal cone valve and the return tube are opened up, and the main pipeline of the lubrication system relieves pressure.

盘古气压泄压阀用于以压缩气为驱动的单线式集中润滑系统中。气压源向气压泄压阀顶部供给一定气压时，压缩气压力施加到气压泄压阀上，内部锥阀闭合，回油管路被关闭，此时润滑系统主管路建压；气压源切断压缩气供给时，内部锥阀打开，回油管路被打开，此时润滑系统主管路泄压。

The Paguld pneumatic pressure relief valve is used in single-line centralized lubrication systems driven by compressed air. The air source supplies pressured air to the top of the air pressure relief valve, and the compressed air pressure is applied to the air pressure relief valve. After that, the internal cone valve and the return tube are closed, and the main pipeline of the lubrication system builds up pressure. After the air source stops supplying compressed air, the internal cone valve and the return tube are opened up, and the main pipeline of the lubrication system relieves pressure.



技术参数 Technical Parameters

功能原理 Operating principle	液压换向阀 Hydraulic change-over valve
最大工作压力（液压源） Maximum working pressure (Hydraulic source)	30 bar
最大工作压力（出脂口） Maximum working pressure (Outlet of grease)	300 bar
适用油脂 Grease	NLGI 2#及NLGI 2#以下油脂 Up to NLGI 2#
油脂入口螺纹 Grease inlet thread	3/4 NPTF
安全阀接口螺纹 Thread of safe valve interface	1/8 NPTF
回油口螺纹 Return grease thread	1/4 NPTF
液压油接口螺纹 Thread of hydraulic grease interface	1/4 NPTF

技术参数 Technical Parameters

最大工作压力（气压源） Maximum working pressure (Air pressure source)	2-7bar
最大工作压力（出脂口） Maximum working pressure (Outlet of grease)	300 bar
适用油脂 Grease	NLGI 2#及NLGI 2#以下油脂 Up to NLGI 2#

电动补脂工具

Electric Grease Filling Tool

TP-16电动加脂泵是以电源作为动力的加脂设备，借助直流无刷电机转动进而带动泵内柱塞运行，将润滑脂高压泵送出去。其特点是安全可靠，泵送排量大，操作简单；可加注NLGI 3#及其以下油脂。

The TP-16 grease filling pump is driven by electric power. Its DC brushless motor rotates to drive the piston in the pump and delivers the greases out with high pressure. The pump is characterized by high safety and reliability, large metering quantity and simple operation; it is able to deliver greases up to NLGI 3#.



技术参数 Technical Parameters

工作电压 Operating voltage	24VDC
电机功率 Motor power	500W
适用油桶 Grease barrels	15-20Kg标准油桶 15-20Kg standard barrel
出脂口规格 Outlet of grease specification	G1/4内螺纹 G1/4 inner thread
工作温度 Working temperature	-25°C ~ +80°C
防护等级 Protection class	IP54
电气接口 Electrical interface	DTP04-2P
最大排量 Maximum displacement	1.2L/分钟@泵芯x6 0.48L/分钟@泵芯x3 1.2L/minute@pump element *6 0.48L/minute@pump element *3

气动补脂工具

Pneumatic Grease Filling Tool

AOGP气动泵采用模块化设计, 结构精巧, 操作便捷, 泵送压力高等特点, 可加注NLGI 2#及其以下油脂。

The AOGP pneumatic pump adopts a modular design. It is compact, simple to install and operate, and suitable for greases up to NLGI 2#.

技术参数 Technical Data

气缸活塞行程 Cylinder piston stroke	63.5mm
空气消耗量@7bar Air consumption @ 7 bar	4.2L/循环 4.2L/ Cycle
压缩气工作压力 Operating pressure of compressed air	2-7bar
空气入口 Air inlet	1/4 NPTF内螺纹 1/4 NPTF female thread
增压比 Pressure ratio	50:1
最大输出压力 Output pressure max.	350bar
最大排量 Metering quantity max.	0.43L/分钟@75循环 0.43L/Min@75 Cycle
油脂出口 Grease outlet	1/4 NPTF内螺纹 1/4 NPTF female thread
工作温度 Operating temperature	-34°C ~ +93°C
噪声等级 Noise class	<85dB (A)

手动补脂工具

Manually Operated Filling Tool

技术参数 Technical Parameters

补脂枪容积 Volume	400cc
需配置专用补脂接头 Special grease filling connector required	

重型黄油枪

Heavy-duty Grease Guns

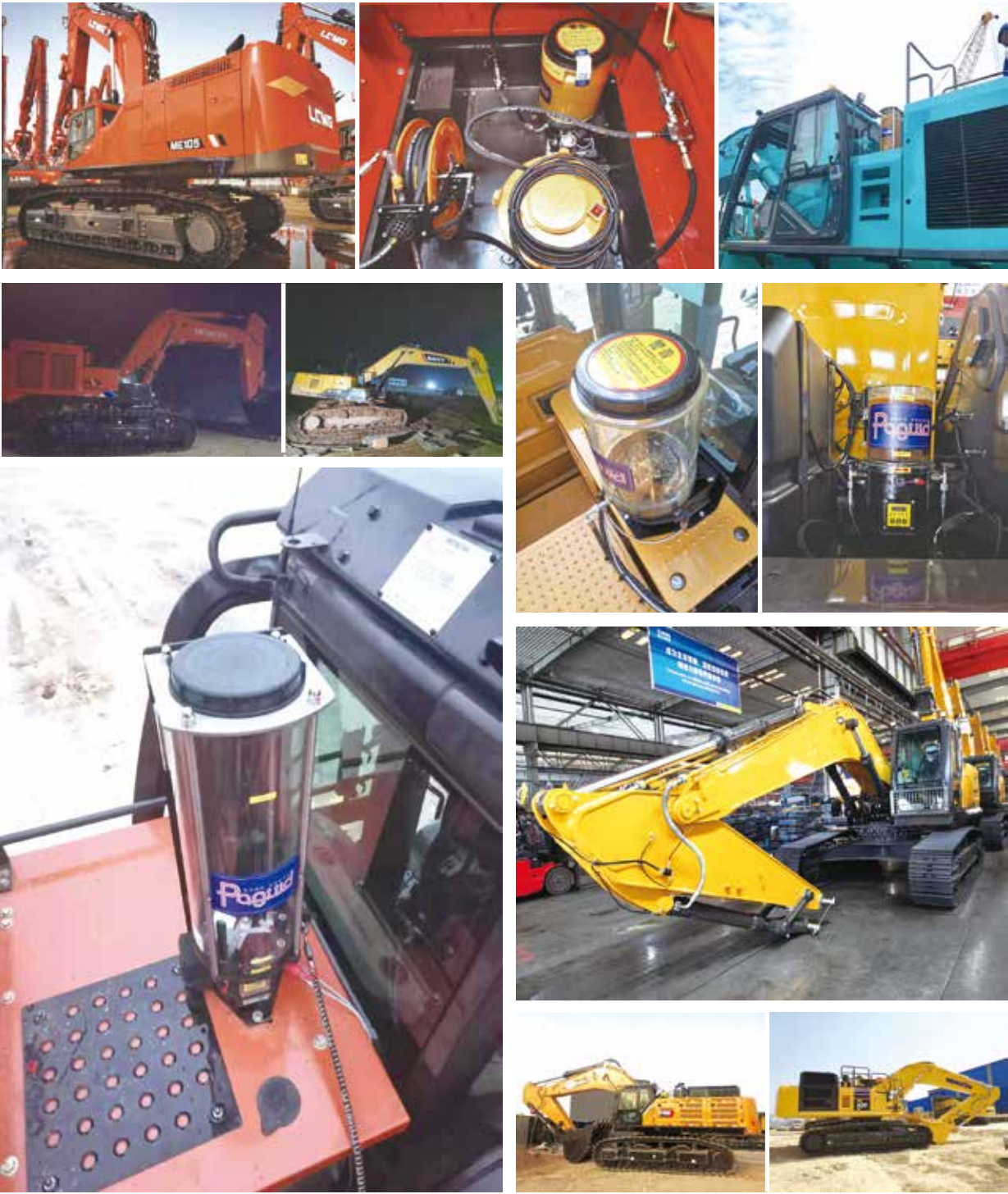
技术参数 Technical Parameters

补脂枪容积 Volume	400cc
最大工作压力 Operating pressure max.	400bar



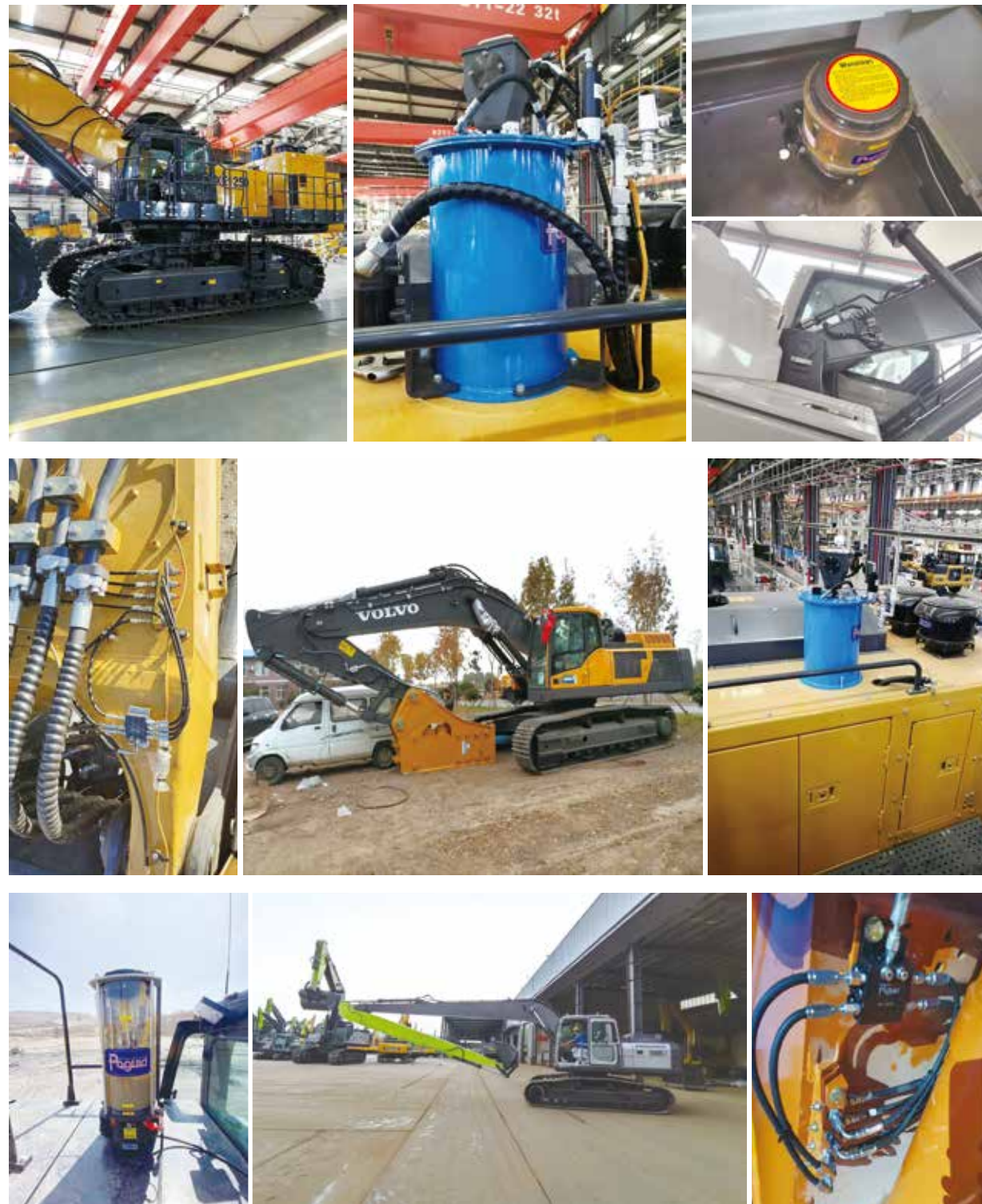
Paguld 集中润滑系统在挖掘机上的应用

Applications of Centralized Lubrication Systems in Excavators



Paguld 集中润滑系统在挖掘机上的应用

Applications of Centralized Lubrication Systems in Excavators



Paguld 集中润滑系统在装载机上的应用

Applications of Centralized Lubrication Systems in Loaders



Paguld 集中润滑系统在旋挖钻上的应用

Applications of Centralized Lubrication Systems in Rotary Drills



Paguld 集中润滑系统在起重机械上的应用

Applications of Centralized Lubrication Systems in Lifting Machinery



Paguld 集中润滑系统在矿用机械上的应用
Applications of Centralized Lubrication Systems in Mining Machinery



Paguld 集中润滑系统在石油设备上的应用
Applications of Centralized Lubrication Systems in Petroleum Equipment



Paguld 集中润滑系统在移动筛分/破碎机上的应用
Applications of Centralized Lubrication Systems in Mobile Screeners/Crushers



Paguld润滑系统在盾构机、掘锚机、三臂凿岩台车上的应用

Applications of Paguld Lubrication Systems in Tunnel Boring Machines,
Digging Anchor Machines and Three-arm Rock Drills



Paguld 集中润滑在工业设备上的应用

Applications of Centralized Lubrication Systems in Industrial Equipment



盘古，是民族的，更是世界的

Paguld For Nation and World

穹顶之下，未来已来。

青岛盘古智能制造股份有限公司始终以客户需求为核心，以创新为驱动力，
做精做强，努力成为世界一流的润滑与液压系统制造商！

Under the dome, the future is here.

Qingdao Paguld Intelligent Manufacturing Co., Ltd. always takes customer demand as
the core, takes innovation as the driving force, makes fine and strong, and strives to
become the world-class lubrication and hydraulic system manufacturer!