

WORLD CLASS LUBRICATION SYSTEMS AUSTRALIAN DISTRIBUTOR



**MINING | INDUSTRIAL | WIND ENERGY
MANUFACTURING | AGRICULTURE | PORTS | RAIL**

65 Chelmsford Street Williamstown North Victoria 3016

WWW.SILVERIENG.COM | SALES@SILVERIENG.COM | 1300 766 413 | WHATSAPP +61 458 047 075



Paguld is committed to developing centralized lubrication technology system with independent intellectual property rights and core competitiveness.

Parguld 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 most satisfactory technology and products, and has built a perfect manufacturing, quality control and business service system.

Paguld has also passed a number of management system products and technology certification.



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

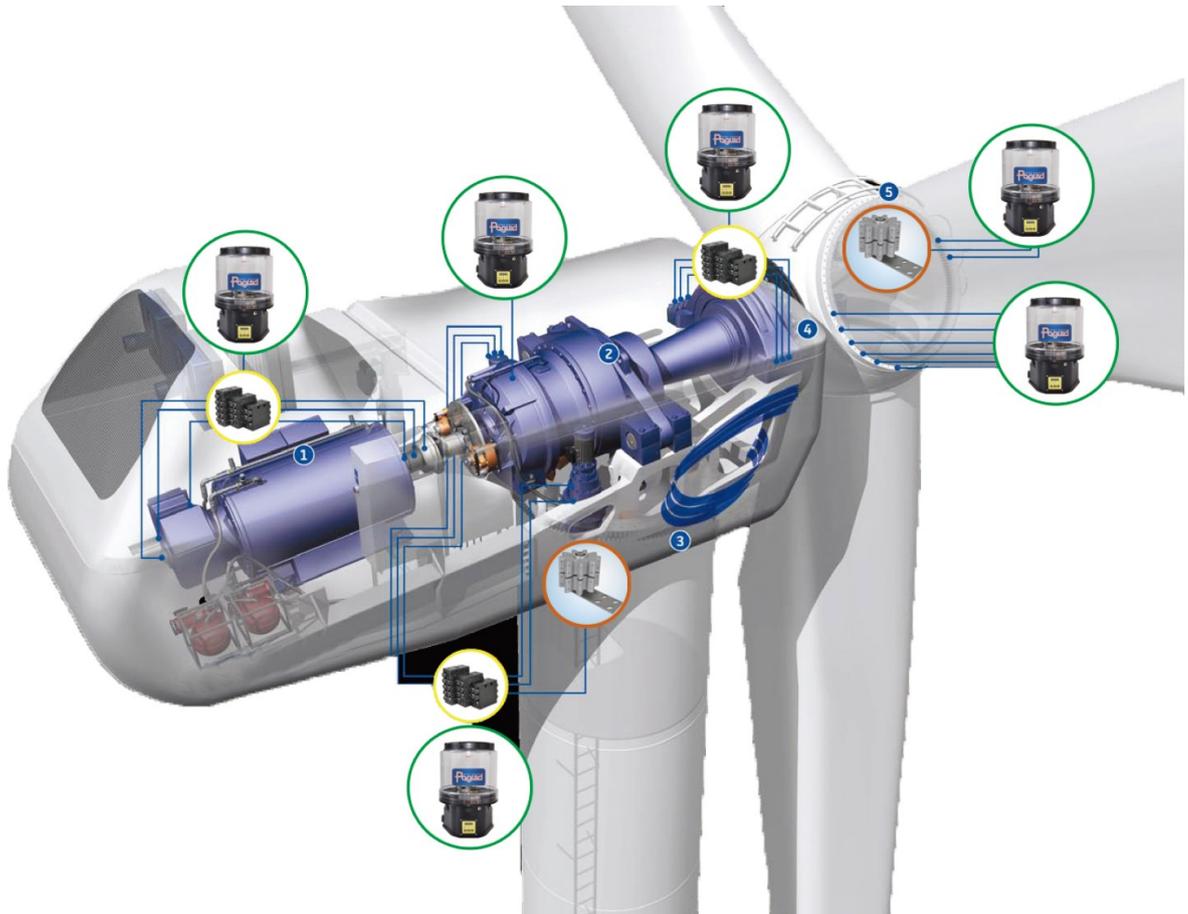


质量体系认证
Quality System Certificates



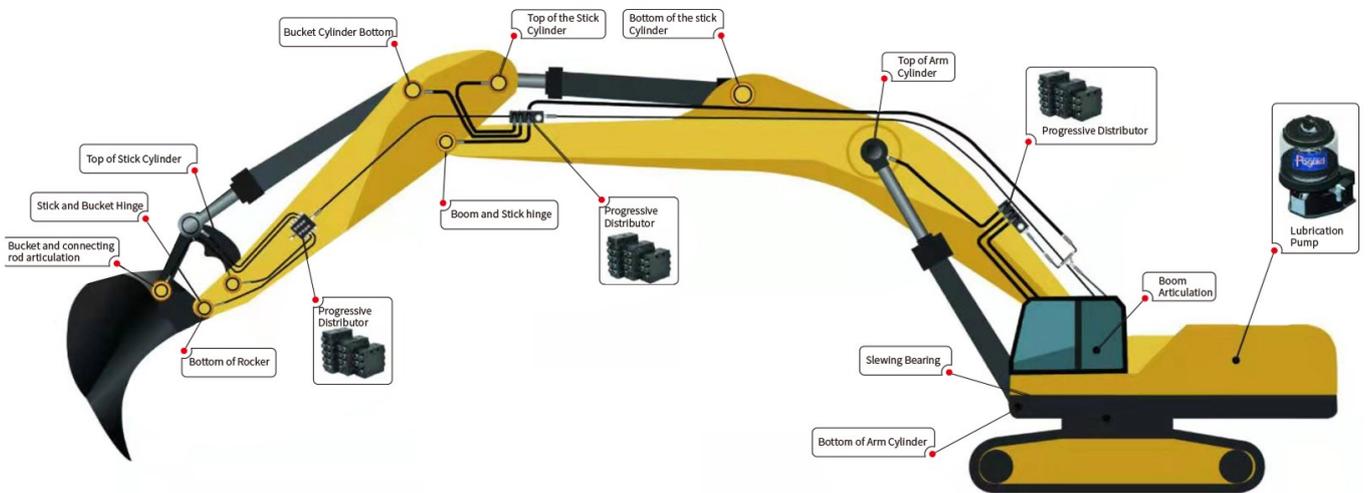
ETL/UL认证 (北美安全认证)
ETL Certificates (UL standard)

Wind Energy



Applications Include: Generator Bearings, Main Bearings, Yaw Bearings & Gears, Pitch Bearings and Tooth Surfaces.

Construction & Quarries



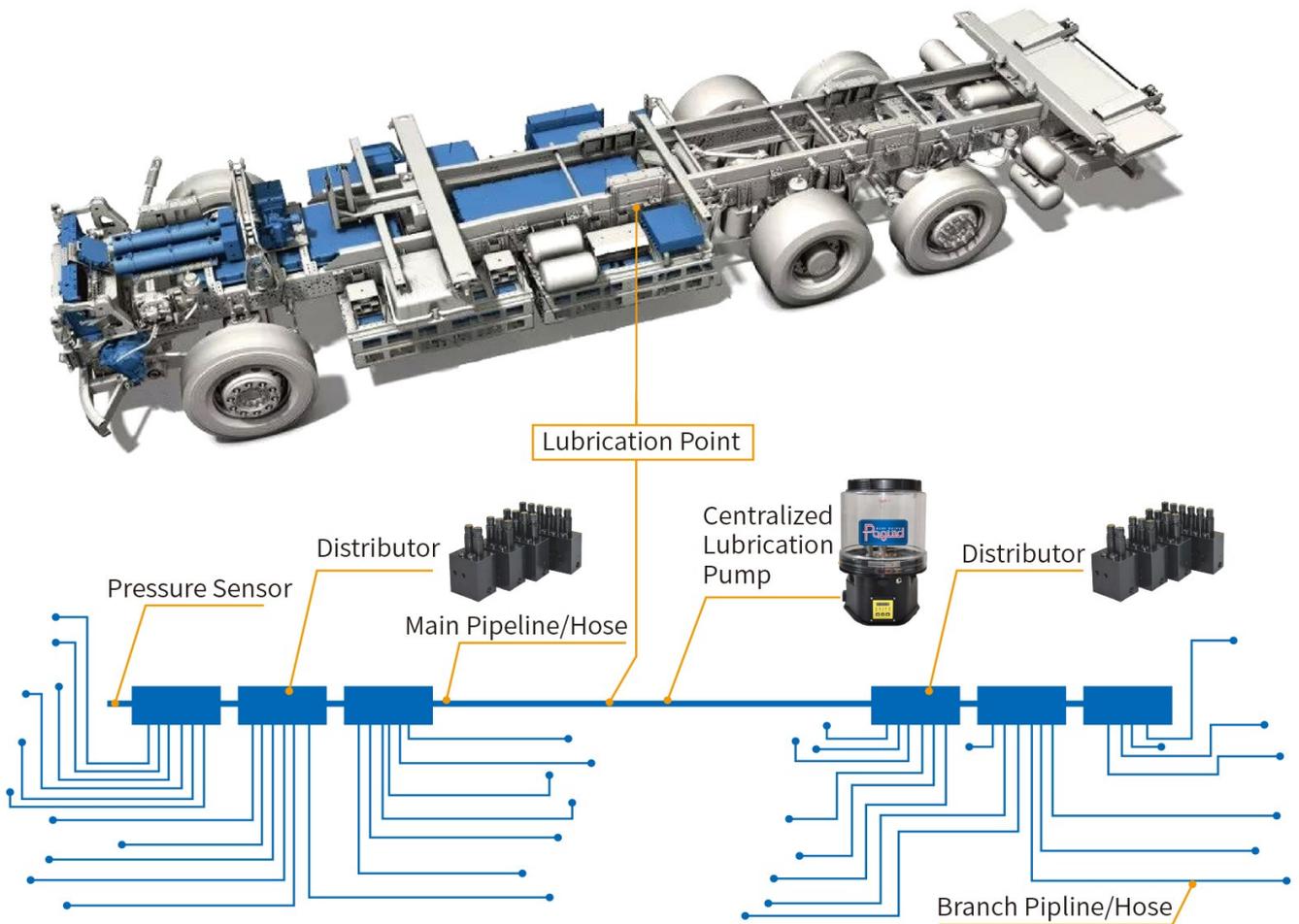
Applications Include: Comprehensive coverage from 20—24 Lubrication Points, depending on model and customer preferences.

Mining



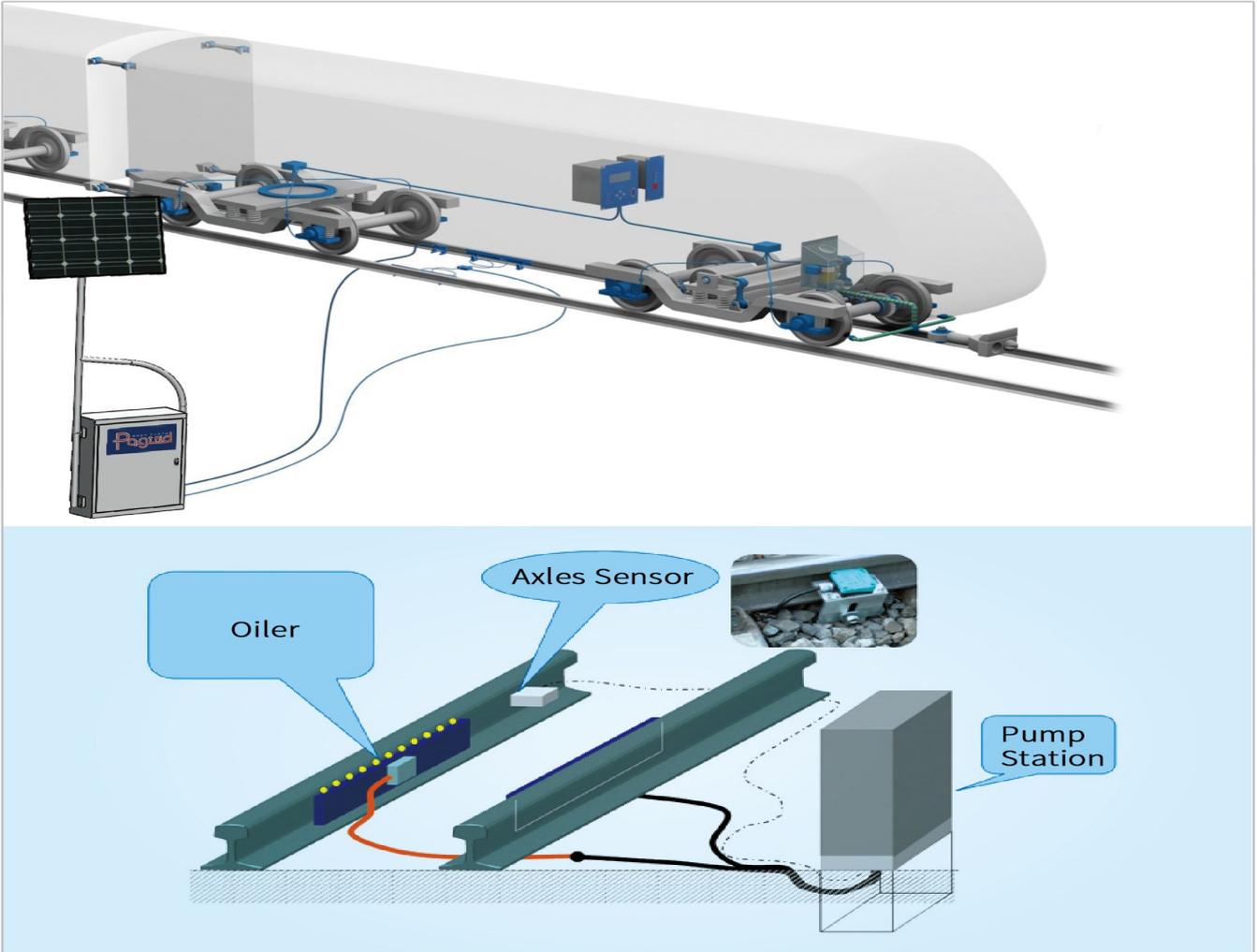
Applications Include: Scrapers, Haul Trucks, Rigs, Drills, Crushing and Screening equipment etc

Road Transport



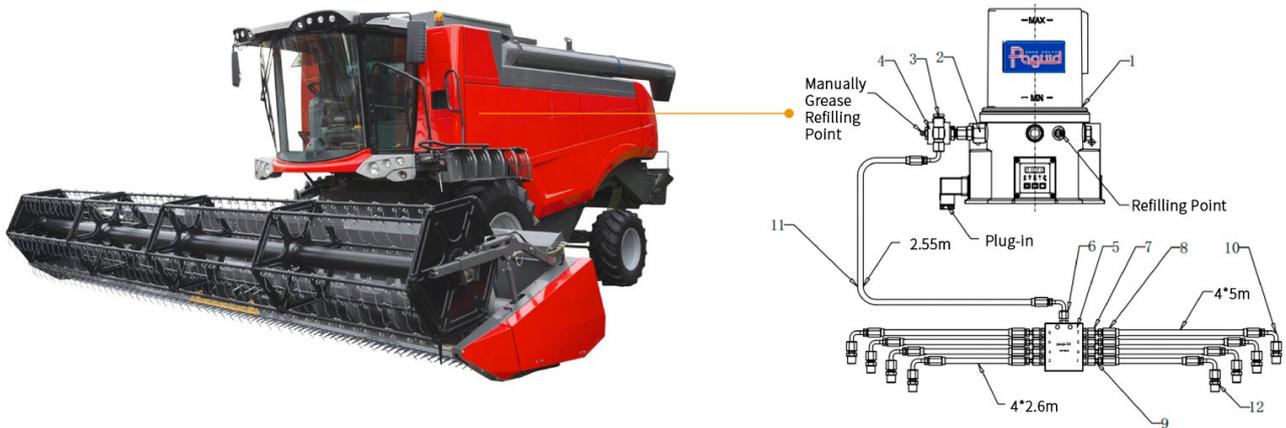
Applications Include: Busses, Trucks, Waste Equipment Trucks, Service vehicles

Rail



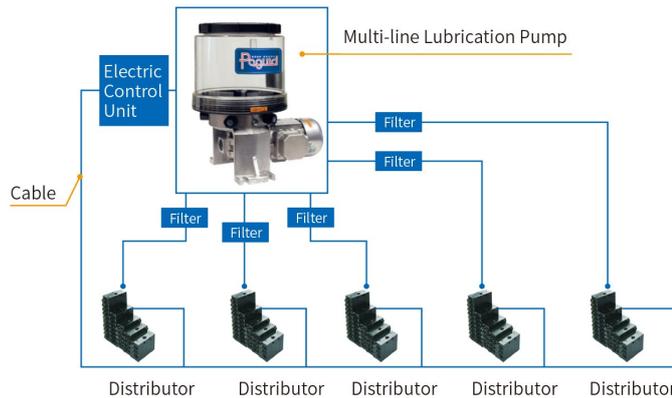
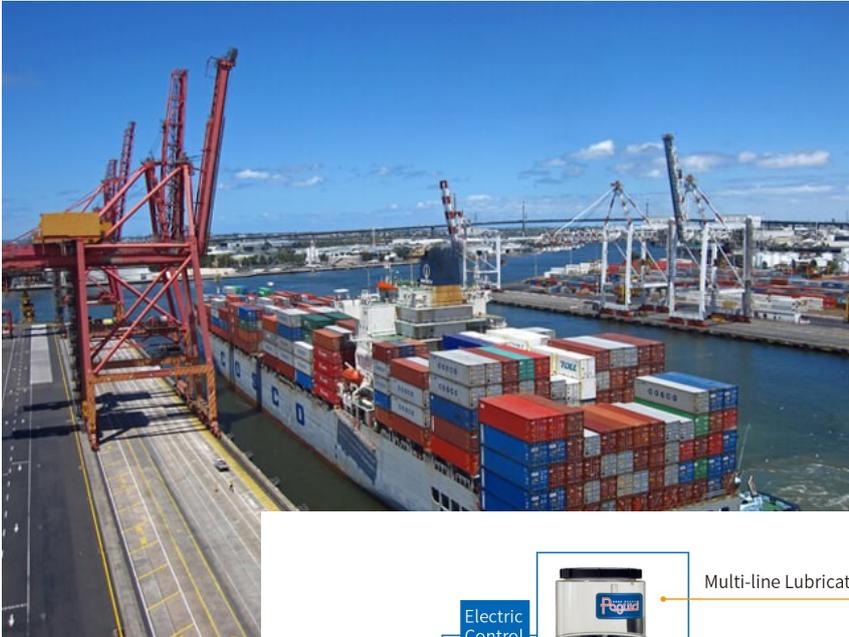
Applications Include: Urban & Rural Rail Applications

Agriculture



Applications Include: All Farming Equipment

Port Equipment

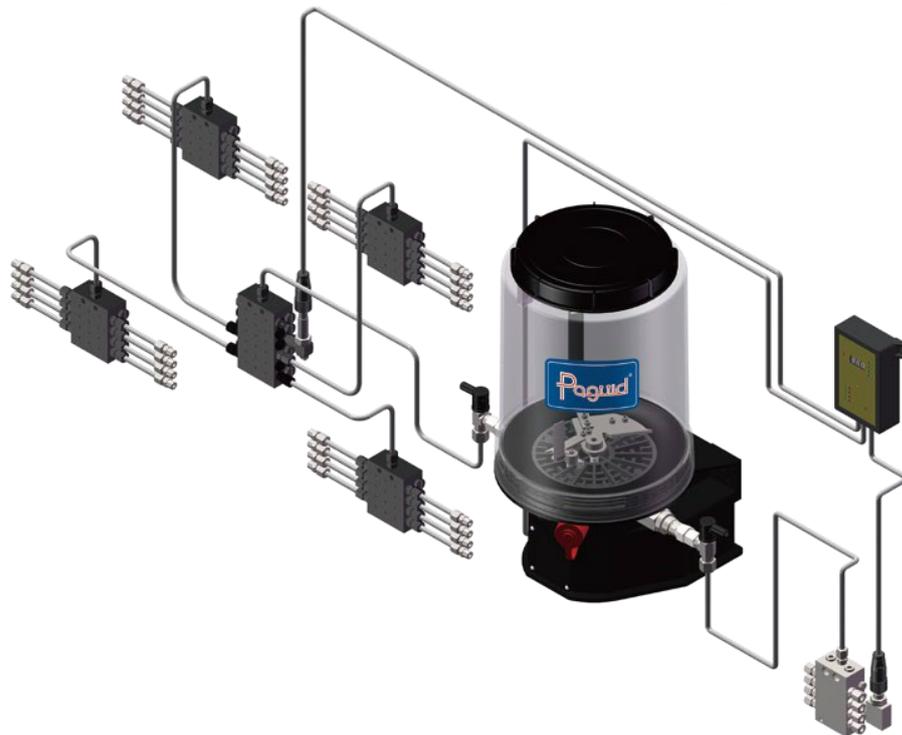


Applications Include: Container Cranes, Bridge Cranes, Ship Unloaders, Boom Crane, Storage Yard Loading Conveyer etc

Progressive Lubrication System

The Progressive Lubrication System is composed of a supply unit, a progressive distribution unit, pipeline accessories, and a control unit. Under the pressure from the supply unit, the progressive distribution unit dispenses the quantitative 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 timing control mode or counting control mode; in timing mode, the lubrication time/intermittent time is adjustable; in counting mode, the lubrication frequency/intermittent time can be adjusted. It is mainly used by small and medium-sized equipment that requires centralized and continuous lubrication.



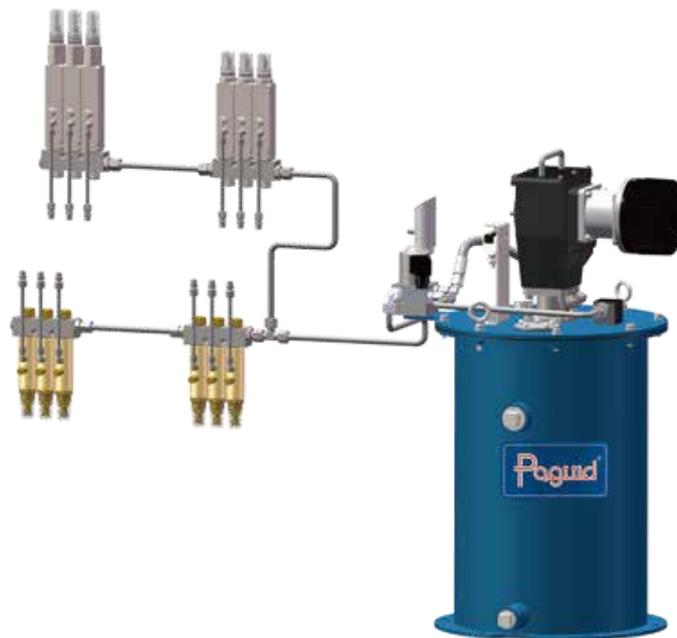
Advantages:

- Continuous and automatic lubrication;
- Easy to install, adjust, and maintain;
- Integrated system for controlling and monitoring;
- Suitable for most grease up to NLGI 2#;

Single Line Parallel Lubrication System

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

The single-line lubrication system transports the lubricant to the single-line distribution unit by a main grease pipe; 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 accurate doses of lubricants. The difference between the single-line lubrication system and the progressive lubrication system is that the single-line system needs to be equipped with a pressure monitoring unit and a reversing unit; the control unit switches the pressure relief grease circuit by recognizing the pressure signal of the main grease pipe, and then completes the lubrication process. The single-line system is mainly used by medium-sized equipment that requires continuous and centralized lubrication.



Advantages:

- Continuous and automatic lubrication;
- Easy to install, adjust, and maintain;
- Integrated system for controlling and monitoring;
- Suitable for most grease up to NLGI 2#;
- High-pressure operation at short distances and in a very wide range of temperatures.

Dual Line Lubrication System

The dual-line lubrication system is composed of a supply unit, a two-line distribution unit, a pressure monitoring unit, a reversing unit, pipeline accessories, and a control unit.

The dual-line lubrication system transports the lubricant to the two-line distribution unit by two main grease pipes; the output of each two-line distribution unit serves only one lubrication point and its displacement is adjustable (the displacement of some two-line distribution units can be pre-set) to provide the accurate dose of lubricants. The difference between the dual-line lubrication system and the single-line lubrication system is that the two-line system switches the main grease pipes by identifying their pressure signals through the control unit, and then completes the lubrication process. It is mainly used by large equipment that requires centralized lubrication.



Advantages:

- Continuous and automatic lubrication;
- Easy to install, adjust, expand, and maintain;
- Adjustable displacement and highly applicable;
- Integrated system controlling and monitoring;
- Suitable for most greases up to NLGI 2#;
- The blockage of a lubrication point will not affect the operation of the whole system;
- Able to operate at long distances (Up to 120 meters) and in a very wide range of temperatures.

PG203 Series of Electric Lubrication Pump

The PG203 electric lubrication pump 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 strong versatility, a compact structure, and excellent working performance. The integrated pump base makes it highly economical and widely used.

The system can be equipped with a low-level alarm, a blockage alarm, and a control unit, which greatly expands the industry application scope of the PG203 electric lubrication pump.



Technical Specification

SYSTEM PRESSURE	35MPA						
RESERVOIR CAPACITY	1L、2L、4L、8L						
OPERATING VOLTAGE	12VDC、24VDC、230VAC						
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
NUMBER OF PUMP ELEMENTS	1-3 OUTLETS						
GREASE OUTLET THREAD	G1/4 INNER THREAD						
OPERATING TEMPERATURE	-40°C ~ +80°C						
PROTECTION CLASS	IP65						
APPLICABLE GREASE TYPE	UP TO NLGI 2#						

PG203 Electric Lubrication Pump (Grease Capsule)

The PG203 electric lubrication pump (grease capsule) is an automatic centralized lubrication pump with excellent performance that can support up to 3 pump elements. It is suitable for progressive centralized lubrication systems and is commonly used in engineering machinery, bus chassis, and small- and medium-sized mechanical equipment.

It boasts strong versatility, a compact structure, and an integrated housing, all of which bring excellent working performance. Its replaceable grease capsule allows quick grease replenishment; the blockage alarm and the control unit are optional.



Technical Specification

SYSTEM PRESSURE	35MPA						
RESERVOIR CAPACITY	6L						
OPERATING VOLTAGE	12VDC、24VDC、230VAC						
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
NUMBER OF PUMP ELEMENTS	1-3 OUTLETS						
GREASE OUTLET THREAD	G1/4 INNER THREAD						
OPERATING TEMPERATURE	-40°C ~ +80°C						
PROTECTION CLASS	IP65						
APPLICABLE GREASE TYPE	UP TO NLGI 2#						

PG230 Series of Electric Lubrication Pump

The PG230 electric lubrication pump is an automatic centralized lubrication pump with excellent performance that can support up to 4 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 versatile, compact, and highly functional. Its pump base made of high-strength lightweight metal further improves the seismic performance. It can be equipped with a low-level alarm, a blockage alarm, and a control unit, which greatly expand the industry application scope of the PG230 electric lubrication pump.



Technical Specification

SYSTEM PRESSURE	35MPA						
RESERVOIR CAPACITY	4L、6L、8L、10L、12L、15L、20L、25L、30L、40L						
OPERATING VOLTAGE	12VDC、24VDC、230VAC						
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
NUMBER OF PUMP ELEMENTS	1-4 OUTLETS						
GREASE OUTLET THREAD	G1/4 INNER THREAD						
OPERATING TEMPERATURE	-40°C ~ +80°C						
PROTECTION CLASS	IP65						
APPLICABLE GREASE TYPE	UP TO NLGI 2#						

PG230U Electric Lubrication Pump

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 engineering machinery, bus chassis, and small and medium-sized mechanical equipment. It boasts strong versatility, a compact structure, and excellent working performance. Thanks to the pump base made of high-strength light plastics, the pump has outstanding anti-seismic performance. It can be equipped with a low-level alarm, a blockage alarm, and a control unit, which greatly expand its applications.



Technical Specification

SYSTEM PRESSURE	35MPA
RESERVOIR CAPACITY	4L、6L、8L、10L、12L、15L、20L、25L、30L、40L
OPERATING VOLTAGE	12VDC、24VDC、230VAC
PUMP ELEMENT ML/MINUTE	K5: 2.0ML/MINUTE
	K6: 2.8ML/MINUTE
NUMBER OF PUMP ELEMENTS	1-11 OUTLETS
GREASE OUTLET THREAD	G1/4 INNER THREAD
OPERATING TEMPERATURE	-40°C ~ +80°C
PROTECTION CLASS	IP65
APPLICABLE GREASE TYPE	UP TO NLGI 2#

PG231 Series of Electric Lubrication Pump

The PG231 electric lubrication pump is an automatic centralized lubrication pump with excellent performance that can support up to 4 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 strong versatility, a compact structure, and excellent working performance. The pump base is made of high-strength engineering plastics, the pump has excellent seismic performance. It can be equipped with a low-level alarm, a blockage alarm, and a control unit, which greatly expands the industry application scope of the PG231 electric lubrication pump.



Technical Specification

SYSTEM PRESSURE	35MPA						
RESERVOIR CAPACITY	1L、2L、4L、6L、8L、10L、12L、15L、20L						
OPERATING VOLTAGE	12VDC、24VDC、230VAC						
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
NUMBER OF PUMP ELEMENTS	1-4OUTLETS						
GREASE OUTLET THREAD	G1/4 INNER THREAD						
OPERATING TEMPERATURE	-40°C ~ +80°C						
PROTECTION CLASS	IP65						
APPLICABLE GREASE TYPE	UP TO NLGI 2#						

PG230-PLUS Series of Electric Lubrication Pump

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, bus chassis, and medium-sized mechanical equipment.

PG230-PLUS electric lubrication pump adopts a segmented design and high-strength light alloy, which give the whole structure excellent working performance. The pump elements are connected with each other through an internal grease circuit in the pump base; the simple exterior layout makes it to be replaced and maintained. 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.



Technical Specification

SYSTEM PRESSURE	35MPA
RESERVOIR CAPACITY	4L、6L、8L、10L、12L、15L、20L、25L、30L、40L
OPERATING VOLTAGE	12VDC、24VDC、230VAC
PUMP ELEMENT ML/MINUTE	3K7、3K8 (GENERAL CONFIGURATION)
	12ML/MINUTE、15ML/MINUTE
NUMBER OF PUMP ELEMENTS	3-4 OUTLETS
GREASE OUTLET THREAD	G1/4 INNER THREAD
OPERATING TEMPERATURE	-40°C ~ +80°C
PROTECTION CLASS	IP65
APPLICABLE GREASE TYPE	UP TO NLGI 2#

PG230-DLP Series of Electric Lubrication Pump

The PG230-DLP electric lubrication pump is an automatic centralized lubrication pump with excellent performance that can support up to 4 pump elements. It is suitable for double-line centralized lubrication systems and is commonly used in construction machinery, bus chassis, and medium and large-sized mechanical equipment. The PG230-DLP electric lubrication pump adopts a segmented design and high-strength light alloy, which give it excellent seismic performance. The pump element is connected with each other through the internal circuit in the pump base. The simple exterior layout makes it easy to replace and maintain. There are two grease outputs that connect two main grease pipes of the lubrication system respectively. A pressure monitoring unit is installed at the outlets for pressure control of the two main grease circuits in the lubrication system. The mechanical directional valve inside the pump helps to ensure the normal operation of the system.



Technical Specification

SYSTEM PRESSURE	35MPA
RESERVOIR CAPACITY	4L、6L、8L、10L、12L、15L、20L、25L、30L、40L
OPERATING VOLTAGE	12VDC、24VDC、230VAC
PUMP ELEMENT ML/MINUTE	3K7、3K8 (GENERAL CONFIGURATION)
	12ML/MINUTE、15ML/MINUTE
NUMBER OF PUMP ELEMENTS	3 OUTLETS
GREASE OUTLET THREAD	G1/4 INNER THREAD
OPERATING TEMPERATURE	-40°C ~ +80°C
PROTECTION CLASS	IP65
APPLICABLE GREASE TYPE	UP TO NLGI 2#

EPG Series of Electric Lubrication Pump

The EPG series of electric lubrication pump is controlled by a DC motor. Its displacement is linearly related to the motor speed, making it suitable for complex and variable working conditions. Driven by a brushless DC motor and used 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. When the grease injector completes the grease filling operation and the pressure of the system reaches the set value, the pressure switch transmits the signal to the control unit, then the control unit cuts off the power supply of the motor and the solenoid valve, and the whole system relieves pressure and enters the next lubrication cycle.



Technical Specification

MAXIMUM SYSTEM PRESSURE	35MPA
RESERVOIR CAPACITY	18KG、27KG、41KG、54KG、180KG
OPERATING VOLTAGE	24VDC
MOTOR POWER	200W
MOTOR SPEED	1500 RPM
REDUCTION RATIO	8:1、20:1、40:1
DISPLACEMENT OF EACH CYCLE	1.8CC
GREASE OUTLET THREAD	1/4NPTF INNER THREAD (PUMP TUBE), 3/4NPTF INNER THREAD (LUBRICATION PUMP)
OPERATING TEMPERATURE	-40°C DEG C~ +65 DEG C
PROTECTION CLASS	IP65
APPLICABLE GREASE TYPE	UP TO NLGI 2#

HPG Series of Hydraulic Lubrication Pump

The HPG series of hydraulic lubrication pump is controlled by a hydraulic motor. The displacement of the lubrication pump is linearly related to the hydraulic motor speed, which makes it suitable for complex and variable working conditions. Driven by a hydraulic motor and used with a control system, the pump is designed for a single-line centralized lubrication system. 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. When the grease injector completes the filling operation and the pressure of the system reaches the set value, the pressure switch transmits the signal to the control unit, then the control system cuts off the power supply of the solenoid valve, and the whole system relieves pressure and enters the next lubrication cycle.



Technical Specification

MAXIMUM SYSTEM PRESSURE	35MPA
RESERVOIR CAPACITY	18KG、27KG、41KG、54KG、180KG
OPERATING VOLTAGE	24VDC
MOTOR POWER	200W
RELIEF PRESSURE OF HYD GREASE	7-23BAR
MOTOR SPEED	1500 RPM
HYDRAULIC GREASE RATE FLOW	7.6 L PER MINUTE
REDUCTION RATIO	10:1
DISPLACEMENT OF EACH CYCLE	1.8CC
GREASE OUTLET THREAD	1/4NPTF INNER THREAD (PUMP TUBE), 3/4NPTF INNER THREAD (LUB. PUMP)
OPERATING TEMPERATURE	-40°C DEG C ~ +65 DEG C
PROTECTION CLASS	IP65
APPLICABLE GREASE TYPE	UP TO NLGI 2#

HCH Series of Hydraulic Lubrication Pump

The H C H series of the hydraulic lubrication pump is a double-acting piston pump that is operated by hydraulic pressure. It uses a single - wire parallel grease metering component to distribute grease at both the up and down strokes. It operates with the cyclic timing control system and is often used in single-wire 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. When the grease injector completes the filling operation and the pressure of the system reaches the set value, the pressure switch transmits the signal to the control unit, then the control unit cuts off the power supply of the solenoid valve, and the whole system relieves pressure and enters the next lubrication cycle.



Technical Specification

MAXIMUM SYSTEM PRESSURE	35MPA
RESERVOIR CAPACITY	18KG、27KG、41KG、54KG、180KG
OPERATING VOLTAGE	24VDC
PRESSURE RATIO	15.:1
HYD GREASE WORKING PRESS	20BAR 205BAR
HYDRAULIC GREASE FLOW RATE	0.25-3.0L/MINUTE
REDUCTION RATIO	8:1、20:1、40:1
DISPLACEMENT OF EACH CYCLE	8.8CC
GREASE OUTLET THREAD	1/4NPTF INNER THREAD (PUMP TUBE), 3/4NPTF INNER THREAD (LUB. PUMP)
OPERATING TEMPERATURE	93 DEG C
PROTECTION CLASS	IP65
APPLICABLE GREASE TYPE	UP TO NLGI 2#

AOGP Series of Pneumatic Pump

The AOGP series of the pneumatic pump is a double-acting piston pump that is operated by gas. It uses a single-wire parallel grease metering component to distribute grease at both the up and down strokes. It operates with a control unit and is often used in single-wire 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 grease injector completes the filling operation and the pressure of the system reaches the set value, the pressure switch transmits the signal to the control unit, then the control unit cuts off the power supply of the solenoid valve, and the whole system relieves pressure and enters the next lubrication cycle.



Technical Specification

MAXIMUM SYSTEM PRESSURE	35MPA
RESERVOIR CAPACITY	18KG、27KG、41KG、54KG、180KG
COMPRESSED AIR PRESSURE	3-10 BAR
PRESSURE RATIO	50:1
SOL. VALVE OPERATING PRESS	24VDC
HYDRAULIC GREASE FLOW RATE	0.25-3.0L/MINUTE
DISPLACEMENT OF EACH CYCLE	5.7CC
GREASE OUTLET THREAD	1/4NPTF INNER THREAD (PUMP TUBE), 3/4NPTF INNER THREAD (LUB.PUMP)
OPERATING TEMPERATURE	-34 DEG—93 DEG C
PROTECTION CLASS	IP65
APPLICABLE GREASE TYPE	UP TO NLGI 2#

HDHL Series of Automatic Lubrication Pump for Crushing Hammer

The HDHL series of automatic lubrication pump for crushing hammer has a compact structure that can be directly installed on hydraulic tools such as hydraulic hammers and hydraulic pliers. These units are driven by the onboard hydraulic system, there is no need to provide additional power, auxiliary power, or control valve. The grease cup can be reused, and it is easy and economical to be replaced and maintained. Synchronous operation with the main engine can achieve continuous automatic lubrication. Adjustable flow rates can achieve fixed-point and quantitative lubrication and reduce environmental pollution.



Technical Specification

MAXIMUM WORKING PRESSURE	120BAR
HYDRAULIC PRESSURE	40-250BAR
DISPLACEMENT	0.2CC
ADJUSTABLE ROTATION SPEED RANGE	4-20 RPM
FACTORY PRESET ROTATION SPEED	4 RPM
GREASE	UP TO NLGI 2#
HYDRAULIC INTERFACE SPECIFICATIONS	M16X1.5 (DKO-S)
GREASE INTERFACE SPECIFICATIONS	M16X1.5 (DKO-S)
WORKING TEMPERATURE	-25 DEG C ~ +80 DEG C

PG-LC24 Intelligent Controller

The PG-LC24 intelligent controller can guarantee that the lubrication system is effectively controlled and provided with visual and auditory failure notifications. It is equipped with a digital display, which can visually identify the operating status and be used to set parameters, so as to quickly and effectively solve problems. This controller is suitable for progressive, single-line, and double-line lubrication systems. Because it is compact, solid, and portable, it is widely used by agricultural, construction, and industrial machinery.

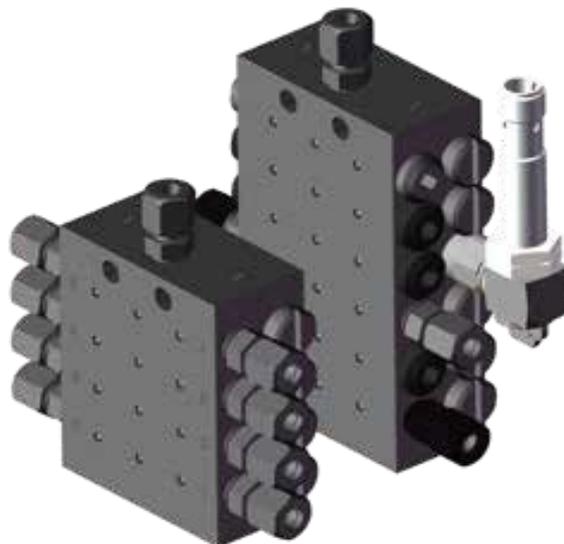


Technical Specification

WORKING VOLTAGE	10-30VDC
WORKING TEMPERATURE	-15° C - +50° C
MAX. OUTPUT CURRENT	7A
MAX. OUTPUT OF ALARM SIGNAL	3A
OVERLOAD PROTECTION	AVAILABLE ON REQUEST
PROTECTION CLASS	IP54
COMMUNICATION INTERFACE	RS232/RS485

PG-SSV Distributor

The PG-SSV distributor is a piston valve that supplies a fixed quantity of grease each time. By blocking an outlet, it can be supplied to the following outlet, so that the next outlet grease quantity can be doubled and the different demands can be achieved. A major feature of the PG-SSV distributor is each outlet is progressive, and the latter outlet must wait until the former outlet releases grease. Based on that, the working condition of the distributor can be checked by adding visualized monitors or electronic monitors. Each distributor has 6-24 (all even numbers) outlets and is able to deliver grease up to NLGI 2# or grease with a viscosity greater than 40cSt. The PG-SSV distributor is made of non-fragile and non-metallic sealing materials. Its exquisite sliding valve and high pressure-resistant end sealing structure (metal contact seal) make it able to withstand high temperature, high cold, and other harsh working conditions.



Technical Specification

NUMBER OF OUTLETS	6-24 OUTLETS
MAXIMUM WORKING PRESSURE	350 BAR
MAXIMUM PRESSURE DIFFERENTIAL	100 BAR
DISPLACEMENT OF EACH OUTLET	0.2CC
INLET THREAD	G1/8" INNER THREAD
OUTLET THREAD	M10 X 1 (NEEDS TO BE EQUIPPED WITH AN OUTLET ON WAY VALVE)
MATERIAL	CARBON STEEL, GALVANISED NICKEL ALLOY
WORKING TEMPERATURE	-40° C - +80° C

PG-SSVD Distributor

The displacement of each outlet on the PG- SSVD distributor is adjusted by using measuring bolts with different lengths. Even after installation, the metering bolts can be replaced quickly to adjust the displacement. The PG- SSVD distributor inherits the basic functions of the PG-SSVD distributor. Its outlets can also be merged to provide more displacement options. The PG-SSVD distributor has no leakage or no pollution; it is also resistant to high temperatures and corrosive environments.

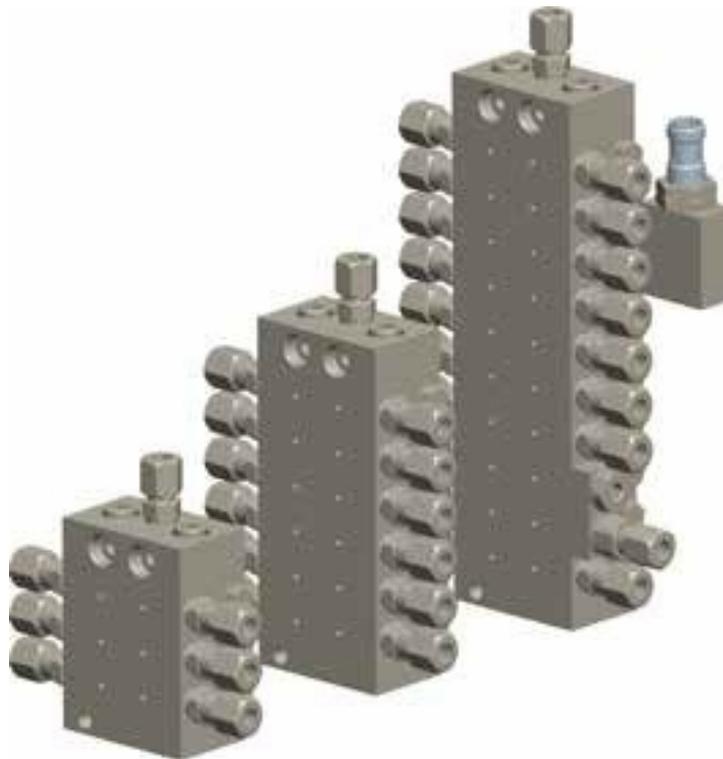


Technical Specification

NUMBER OF OUTLETS	6-22 OUTLETS
MAXIMUM WORKING PRESSURE	350 BAR
MAXIMUM PRESSURE DIFFERENTIAL	100 BAR
DISPLACEMENT OF EACH OUTLET	0.08CC/0.14CC/0.2CC/0.3CC/0.4CC/0.6CC/0.8CC/1.0CC/1.4CC/1.8CC
INLET THREAD	G1/8" INNER THREAD
OUTLET THREAD	M10 X 1 (NEEDS TO BE EQUIPPED WITH AN OUTLET ON WAY VALVE)
MATERIAL	CARBON STEEL, GALVANISED NICKEL ALLOY
WORKING TEMPERATURE	-40° C - +80° C

PGMD-1000 Distributor

The PGMD-1000 distributor adopts a modular design with a high degree of generalization. It is easy to be installed and maintained; there is also a cycle indicator. Blocks can be combined based on the actual usage to form different distributors (the middle module needs at least 2 blocks and at most 11 pieces; the end module has one block). The PGMD-1000 distributor can deliver lubricant to up to 24 points.



Technical Specification

NUMBER OF OUTLETS	6-24 OUTLETS
MAXIMUM WORKING PRESSURE	350 BAR
MAXIMUM PRESSURE DIFFERENTIAL	100 BAR
DISPLACEMENT OF EACH OUTLET	0.025CC/0.045C/0.075CC/0.105CC
INLET THREAD	M10 X 1 INNER THREAD
OUTLET THREAD	M10 X 1 (MUST BE EQUIP WITH AN OUTLET ON WAY VALVE)
MATERIAL	CARBON STEEL, GALVANISED NICKEL ALLOY
WORKING TEMPERATURE	-40° C - +80° C

PMBS Distributor

The PMBS distributor adopts a modular design. Its blocks can be removed from the base without disrupting any lubrication pipelines, minimizing labour costs and extending the operating time of equipment. Accessories such as magnetic and electronic proximity switch cycle indicators provide operation and maintenance support for the lubrication system. Besides, fault indicators can be installed externally for accurate and fast troubleshooting. The outlet is equipped with a built-in one-way valve to ensure accurate grease input of every single stroke.



Technical Specification

NUMBER OF OUTLETS	6-24 OUTLETS		
MAX. WORKING PRESSURE	241 BAR		
MAX. PRESSURE DIFF B/W OUTLETS	100 BAR		
MAX. CYCLES	60CPM (CYCLE INDICATORS) 200CPM (NO CYCLE INDICATORS)		
	SPECIFICATION	DOUBLE OUTLETS	SINGLE OUTLETS
	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
INLET THREAD	G1/4 INNER THREAD		
OUTLET THREAD	G1/8 INNER THREAD		
MATERIAL	CARBON STEEL, BLUE-WHITE ZINC PLATING		
WORKING TEMPERATURE	-40° C - +80° C		

PMBX Distributor

The PMBX distributor adopts a modular design. Its blocks can be removed from the base without disrupting any lubrication pipelines, minimizing labour costs and extending the operating time of equipment. Accessories such as magnetic and electronic proximity switch cycle indicators provide operation and maintenance support for the lubrication system. Besides, fault indicators can be installed externally for accurate and fast troubleshooting. The outlet is equipped with a built-in one-way valve to ensure accurate grease input of every single stroke.



Technical Specification

NUMBER OF OUTLETS	6-20 OUTLETS		
MAX. WORKING PRESSURE	207 BAR		
MAX. PRESSURE DIFF B/W OUTLETS	100 BARD		
MAX. CYCLES	60CPM (CYCLE INDICATORS) 200CPM (NO CYCLE INDICATORS)		
	SPECIFICATION	DOUBLE OUTLETS	SINGLE OUTLETS
	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
INLET THREAD	G3/8 INNER THREAD		
OUTLET THREAD	G1/4 INNER THREAD		
MATERIAL	CARBON STEEL, BLUE-WHITE ZINC PLATING		
WORKING TEMPERATURE	-40° C - +80° C		

PG-SL-1 Single-line Injector

PG-SL-1 series of injectors are suitable for single-line high-voltage centralized lubrication systems. It is capable of delivering grease up to NLGI 2#; the displacement is adjustable; the indicator can visually observe the working status of injectors; the modular design can realize rapid disassembly and replacement of every individual part.

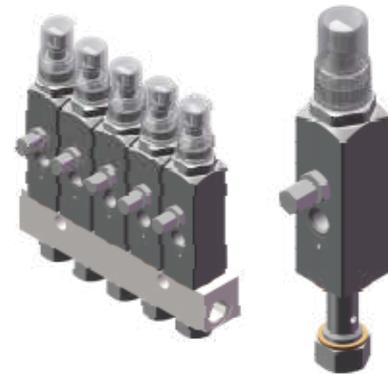


Technical Specification

PART NUMBER	DISPLACEMENT OF		WORKING PRESSURE				INTERFACE SPECIFICATION	
	MIN	MAX	MIN	MAX	TYPICAL	VENT	BASE INLET	OUTLET
PG-SL-1	0.131	1.131	127	241	172	41	G3/8 3/8NPTF	1/8 NPTF

PG-SL-1R single-line injector

The PG-SL-1R series of injectors are suitable for single-line high-voltage centralized lubrication systems; it can deliver grease up to NLGI 2#; the displacement is adjustable; the indicator can visually observe the working status of the injectors; its modular design can realize the rapid disassembly and replacement of every individual part. Compared with PG-SL-1, PG-SL-1R has a different appearance.



Technical Specification

PART NUMBER	DISPLACEMENT OF		WORKING PRESSURE				INTERFACE SPECIFICATION	
	MIN	MAX	MIN	MAX	TYPICAL	VENT	BASE INLET	OUTLET
PG-SL-1R	0.131	1.131	127	241	172	41	G3/8 3/8NPTF	1/8 NPTF

PG-SL-V Single-line Injector

PG-SL-V series of injectors are suitable for single-line high-voltage centralized lubrication systems. It can deliver grease up to NLGI 2#; the displacement is adjustable; the indicator can visually observe the working status of the injectors; its modular design can realize the rapid disassembly and



Technical Specification

PART NUMBER	DISPLACEMENT OF		WORKING PRESSURE				INTERFACE SPECIFICATION	
	MIN	MAX	MIN	MAX	TYPICAL	VENT	BASE INLET	OUTLET
PG-SL-V	0.25	1.31	128	415	172	70	G3/8 3/8NPTF	1/8 NPTF

PG-SL-V XL Single-line Injector

PG-SL-V XL series of injectors are suitable for single-line high-voltage centralized lubrication systems. It can deliver grease up to NLGI 2#; the displacement is adjustable; the indicator can visually observe the working status of the injectors; its modular design can realize the rapid disassembly and replacement of every individual part.



Technical Specification

PART NUMBER	DISPLACEMENT OF		WORKING PRESSURE				INTERFACE SPECIFICATION	
	MIN	MAX	MIN	MAX	TYPICAL	VENT	BASE INLET	OUTLET
PG-SL-V XL	0.25	5	128	413	172	70	G3/8 3/8NPTF	1/8 NPTF

PG-SL-11 Single-line Injector

PG-SL-11 series of injectors are suitable for single-line high-voltage centralized lubrication systems. It can deliver grease up to NLGI 2#; the displacement is adjustable; the indicator can visually observe the working status of the grease injector; it is only provided as a single unit with 1/2 NPTF inlet.



Technical Specification

PART NUMBER	DISPLACEMENT OF		WORKING PRESSURE				INTERFACE SPECIFICATION	
	MIN	MAX	MIN	MAX	TYPICAL	VENT	BASE INLET	OUTLET
PG-SL-11	0.82	8.2	69	241	172	55	1/2 NPTF	1/4 NPTF

PG-SL-44 Single-line Injector

PG-SL-44 series of injectors are suitable for single-line high-voltage centralized lubrication systems; it can deliver grease up to NLGI 2#; its displacement is adjustable; the indicator can visually observe the working status of the injector; its modular design can realize the rapid disassembly and replacement of every individual part.



Technical Specification

PART NUMBER	DISPLACEMENT OF INJECTORS		WORKING PRESSURE				INTERFACE SPECIFICATION	
	MIN	MAX	MIN	MAX	TYPICAL	VENT	BASE INLET	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 Single-line Injector

PG-SL series of injectors are suitable for fluid or semi-fluid lubricant single-line high-voltage centralized lubrication systems. The displacement of lubricants is adjustable and the indicator can visually observe the working status of the grease injector; its modular design can realize the rapid disassembly and replacement of every individual part.



Technical Specification

PART NUMBER	DISPLACEMENT OF INJECTORS		WORKING PRESSURE				INTERFACE SPECIFICATION	
	MIN	MAX	MIN	MAX	TYPICAL	VENT	BASE INLET	OUTLET
PG-SL-32	0.016	0.131	83	83	103	14	1/4 NPTF	OPTIONAL

PART NUMBER	DISPLACEMENT OF INJECTORS		WORKING PRESSURE				INTERFACE SPECIFICATION	
	MIN	MAX	MIN	MAX	TYPICAL	VENT	BASE INLET	OUTLET
PG-SL-42	0.016	0.049	52	69	59	10	1/24NPTF	OPTIONAL

PART NUMBER	DISPLACEMENT OF INJECTORS		WORKING PRESSURE				INTERFACE SPECIFICATION	
	MIN	MAX	MIN	MAX	TYPICAL	VENT	BASE INLET	OUTLET
PG-SL-43	0.016	0.131	52	69	59	10	1/4 NPTF	OPTIONAL

PG-DLDA Double-line Distributor

Made of high-quality alloy steel, the PG-DLDA double-line distributor is designed for double-line centralized lubrication systems; its maximum operating pressure is 400 bar. It has at most 10 outlets, and each pair of outlets can be equipped with an indicator for visual or electrical monitoring, and the displacement of a single outlet is fixed at 1.8mL/cycle.

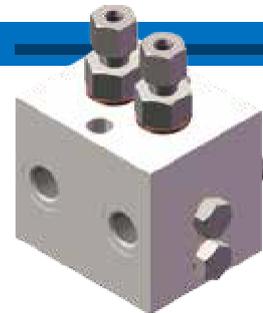


Technical Specification

NUMBER OF OUTLETS	4-10 OUTLETS
MAXIMUM WORKING PRESSURE	400BAR
DISPLACEMENT OF EACH OUTLET	1.8CC
INLET THREAD	G1/4 INNER THREAD
OUTLET THREAD	G1/8 INNER THREAD
MATERIAL	CARBON STEEL, GALVANIZED NICKEL ALLOY
WORKING TEMPERATURE	-40°C ~ +80°C

PG-DLDB Double-line Distributor

Made of high-quality alloy steel, the PG-DLDB double-line distributor is designed for double-line centralized lubrication system; its maximum operating pressure is 400bar. It has at most 8 outlets, and each pair of outlets can be equipped with an indicator for visual or electrical monitoring.



Technical Specification

NUMBER OF OUTLETS	4-8 OUTLETS
MAXIMUM WORKING PRESSURE	400BAR
DISPLACEMENT OF EACH OUTLET	0.07CC/0.1CC/0.15CC/0.22CC/0.3CC
INLET THREAD	G1/4 INNER THREAD
OUTLET THREAD	G1/8 INNER THREAD
MATERIAL	CARBON STEEL, GALVANIZED NICKEL ALLOY
WORKING TEMPERATURE	-40°C ~ +80°C

PG-DLDG Double-line Distributor

Made of high-quality alloy steel, the PG-DLDG double -line distributor is designed for double-line centralized lubrication systems; its maximum operating pressure is 400 bar; it has at most 8 outlets, and each pair of outlets can be equipped with an indicator for visual or electrical monitoring; the displacement of single outlet is adjustable.



Technical Specification

NUMBER OF OUTLETS	4-8 OUTLETS
MAXIMUM WORKING PRESSURE	400BAR
DISPLACEMENT OF EACH OUTLET	0-2.3CC/CYCLE (ADJUSTABLE)
INLET THREAD	G3/8 INNER THREAD
OUTLET THREAD	G1/4 INNER THREAD
MATERIAL	CARBON STEEL, GALVANIZED NICKEL ALLOY
WORKING TEMPERATURE	-40°C ~ +80°C

PG-DLDL Double-line Distributor

Made of high-quality alloy steel, the PG-DLDL Double -line distributor is designed for double-line centralized lubrication systems; its maximum operating pressure is 400 bar; it has at most 8 outlets, and each pair of outlets can be equipped with an indicator for visual or electrical monitoring; the displacement of single outlet is adjustable.



Technical Specification

NUMBER OF OUTLETS	8-8 OUTLETS
MAXIMUM WORKING PRESSURE	400BAR
DISPLACEMENT OF EACH OUTLET	0-5CC/CYCLE (ADJUSTABLE)
INLET THREAD	G3/8 INNER THREAD
OUTLET THREAD	G1/4 INNER THREAD
MATERIAL	CARBON STEEL, GALVANIZED NICKEL ALLOY
WORKING TEMPERATURE	-40°C ~ +80°C

Hydraulic Reversing Valve

Paguld hydraulic pressure relief valve is used in single-line centralized lubrication systems driven by a hydraulic source. When the hydraulic source supplies hydraulic grease with a certain pressure to the top of the hydraulic relief valve, pressure from hydraulic grease is applied to the hydraulic pressure relief valve, and then the internal cone valve and the return grease tube are closed, and the main tube of the lubrication system builds pressure. When the hydraulic source cuts off the supply of hydraulic grease, the internal cone valve and the return grease tube are opened, and the main tube of the lubrication system relieves pressure.



Technical Specification

OPERATING PRINCIPLE	HYDRAULIC REVERSING VALVE
MAXIMUM WORKING PRESSURE (HYDRAULIC SOURCE)	30 BAR
MAXIMUM WORKING PRESSURE (OUTLET OF GREASE)	300 BAR
GREASE	UP TO NLGI 2#
GREASE INLET THREAD	3/4 NPTF
THREAD OF SAFE VALVE INTERFACE	1/8 NPTF
RETURN GREASE THREAD	1/4 NPTF
THREAD OF HYDRAULIC GREASE INTERFACE	1/4 NPTF

Air Pressure Reversing Valve

The Paguld air pressure relief valve is used in single-line centralized lubrication systems driven by compressed gas. The air pressure source supplies gas with a certain pressure 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 grease tube are closed, and the main tube of lubrication system builds pressure. When the air pressure source cuts off the supply of compressed gas, the internal cone valve and the return grease tube are opened, and the main tube of lubrication system relieves pressure.



Technical Specification

OPERATING PRINCIPLE	AIR REVERSING VALVE
MAXIMUM WORKING PRESSURE (HYDRAULIC SOURCE)	2-7 BAR
MAXIMUM WORKING PRESSURE (OUTLET OF GREASE)	300 BAR
GREASE	UP TO NLGI 2#

Electric Grease Filling Tool

The TP-16 grease filling pump is driven by electric power. With the help of the DC brushless motor, it rotates to drive the plunger in the pump and transports the grease out with high pressure. It is characterized by high safety and reliability, large displacement, and simple operation; it can deliver grease up to NLGI 3#.



Technical Specification

OPERATING VOLTAGE	24VDC
MOTOR POWER	500W
GREASE BARRELS	15-20KG STANDARD BARREL
OUTLET OF GREASE SPECIFICATION	G1/4 INNER THREAD
WORKING TEMPERATURE	-25°C ~ +80°C
PROTECTION CLASS	IP54
ELECTRICAL INTERFACE	DTP04-2P
MAXIMUM DISPLACEMENT	1.2L/MINUTE@PUMP ELEMENT *6 0.48L/MINUTE@PUMP ELEMENT *3

Pneumatic Grease Filling Tool

The AOGP pneumatic pump adopts a modular design. It is compact, simple to be constructed and operated, and suitable for grease up to NLGI 2#.



Technical Specification

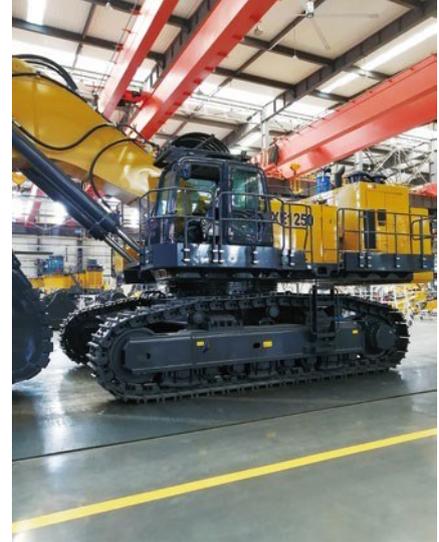
CYLINDER PISTON STROKE	63.5MM
7BAR AIR CONSUMPTION@7BAR	4.2L/ CYCLE
COMPRESSED AIR WORKING PRESSURE	2-7BAR
AIR INLET	1/4 NPTF FEMALE
PRESSURE RATIO	50:1
MAXIMUM OUTPUT PRESSURE	350BAR
MAXIMUM DISPLACEMENT	0.43L/MIN@75 CYCLE
GREASE OUTLET	1/4 NPTF FEMALE
WORKING TEMPERATURE	-34°C ~ +93°C
LPA DB	<85DB (A)

Heavy Duty Series Grease Guns



VOLUME	400CC
MAXIMUM WORKING PRESSURE	400 BAR

Application of Centralized Lubrication System in Excavator



Application of Centralized Lubrication System in Loader



Application of Centralized Lubrication System for Haul Trucks



Application of Centralized Lubrication System for other applications

