

追求卓越 卓而不凡

集中润滑系统

Centralized Lubrication System

TEBAK[®]



HENGSHUI MENGSHANG TECHNOLOGY CO.,LTD
Sales Manager:Jack Lee
We chat/ Whats app:0086 18875712225
Email :srxliming1989@outlook.com

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电磁泵



电动齿轮泵



柱塞式油脂泵



工程机械油脂泵



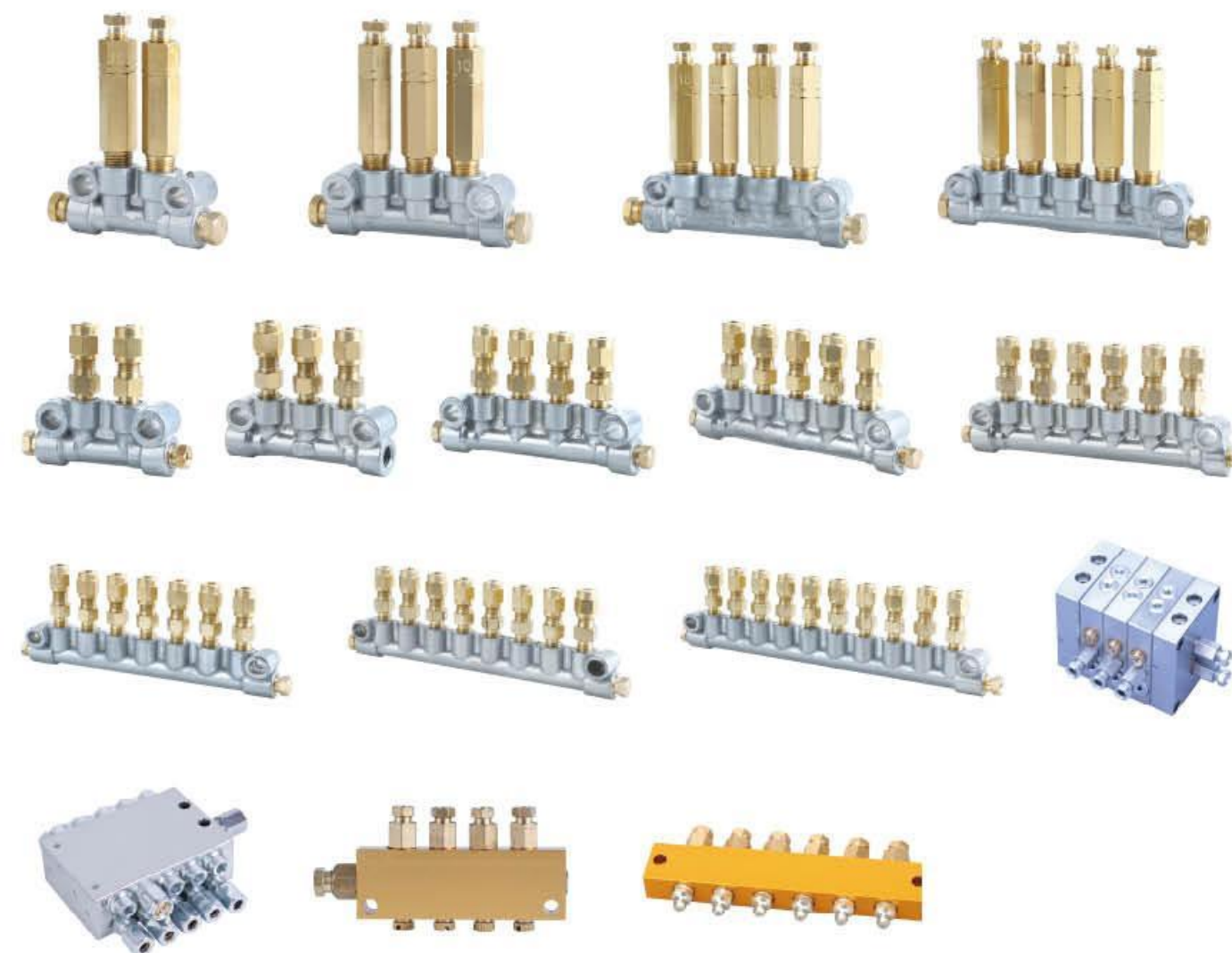
手动泵系列



分配器



分配器

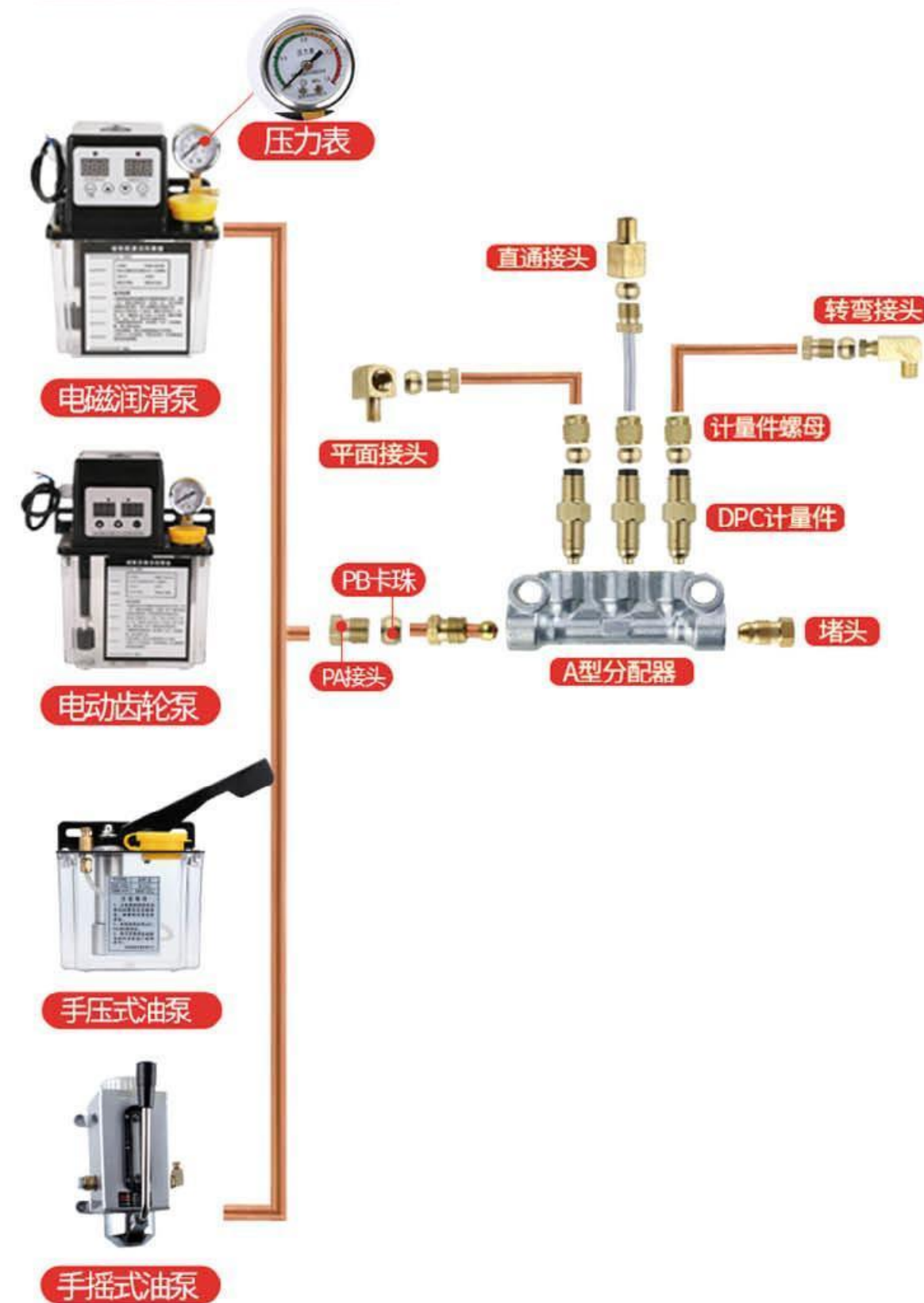


润滑附件

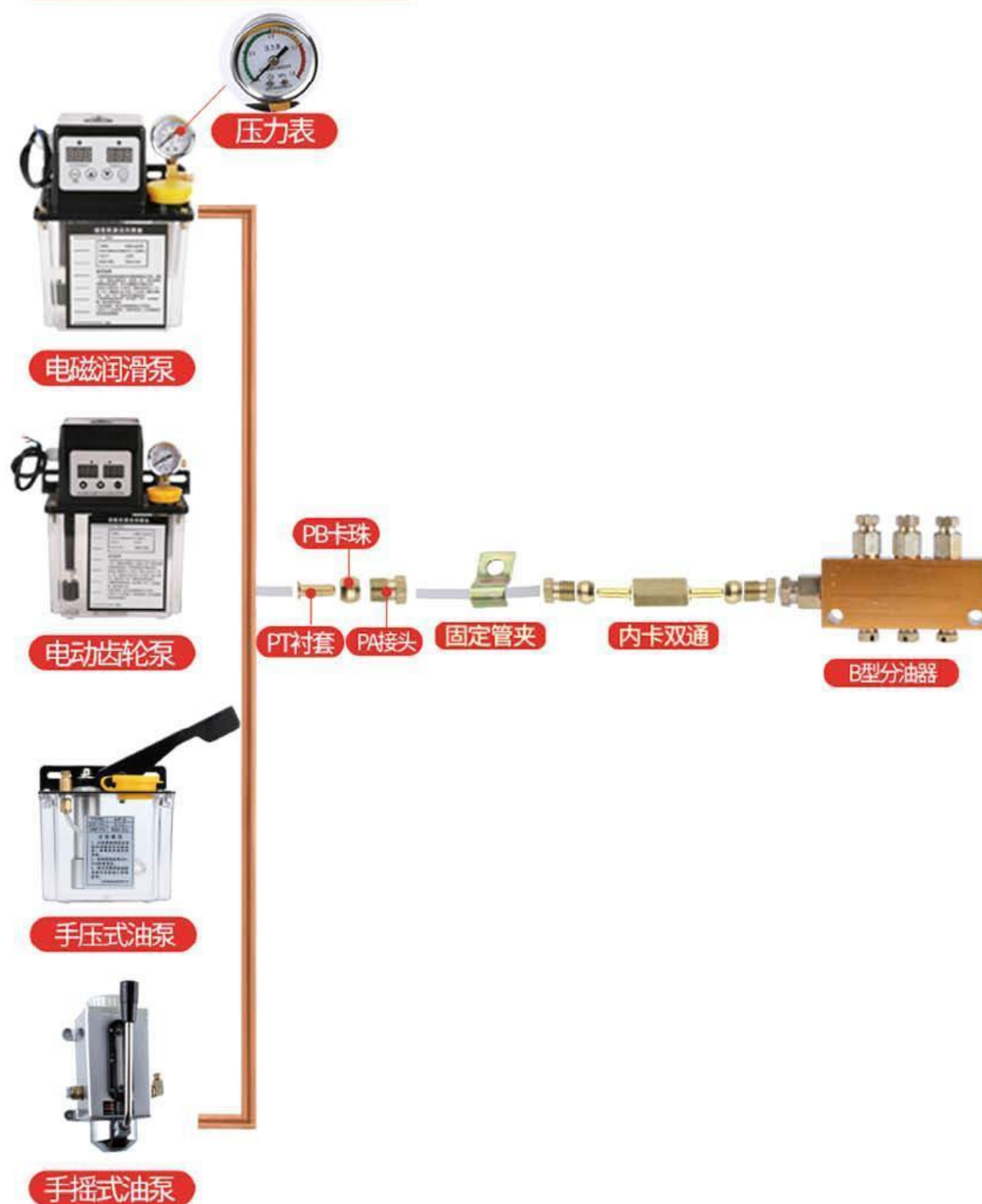




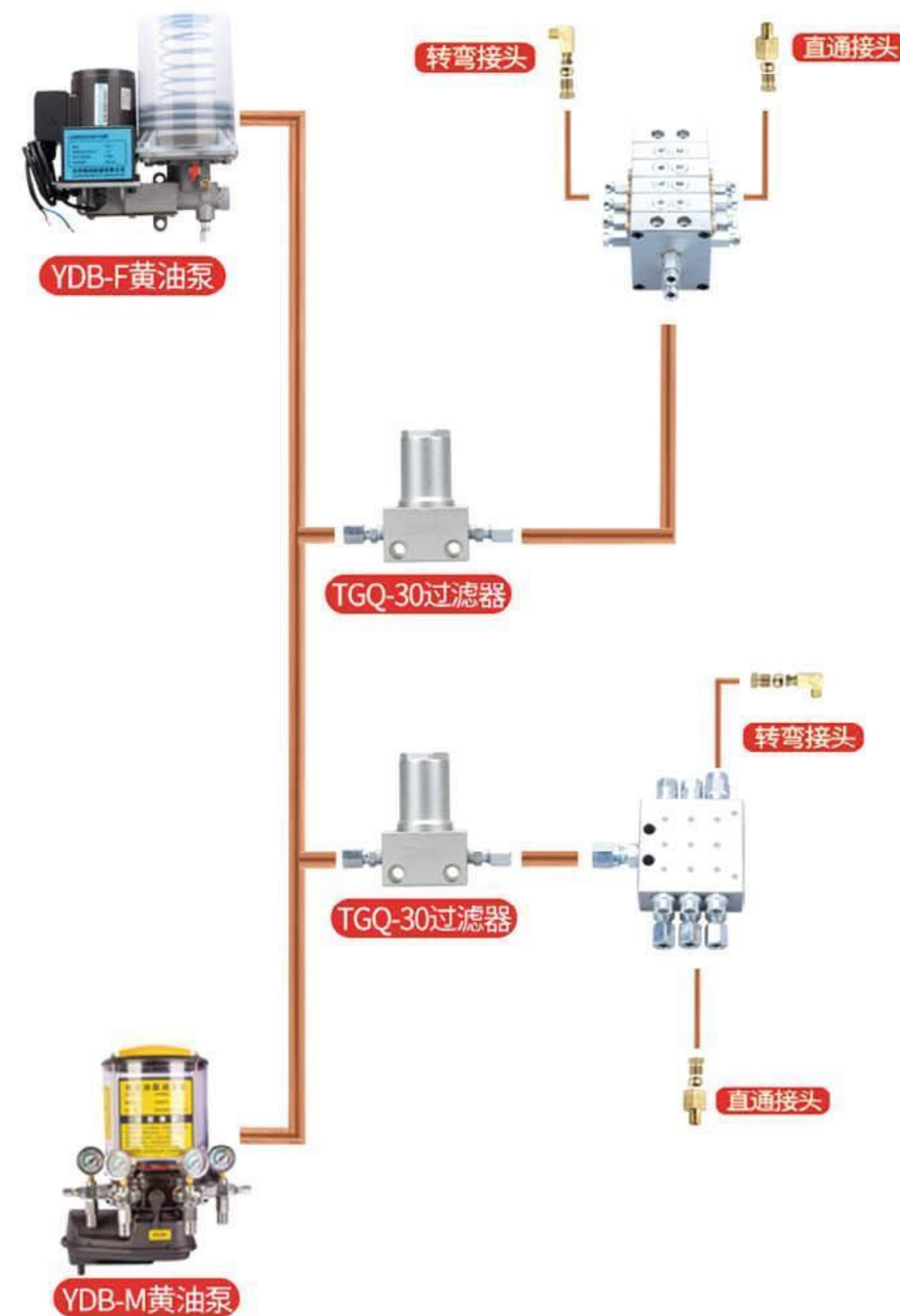
AD型抵抗式润滑系统



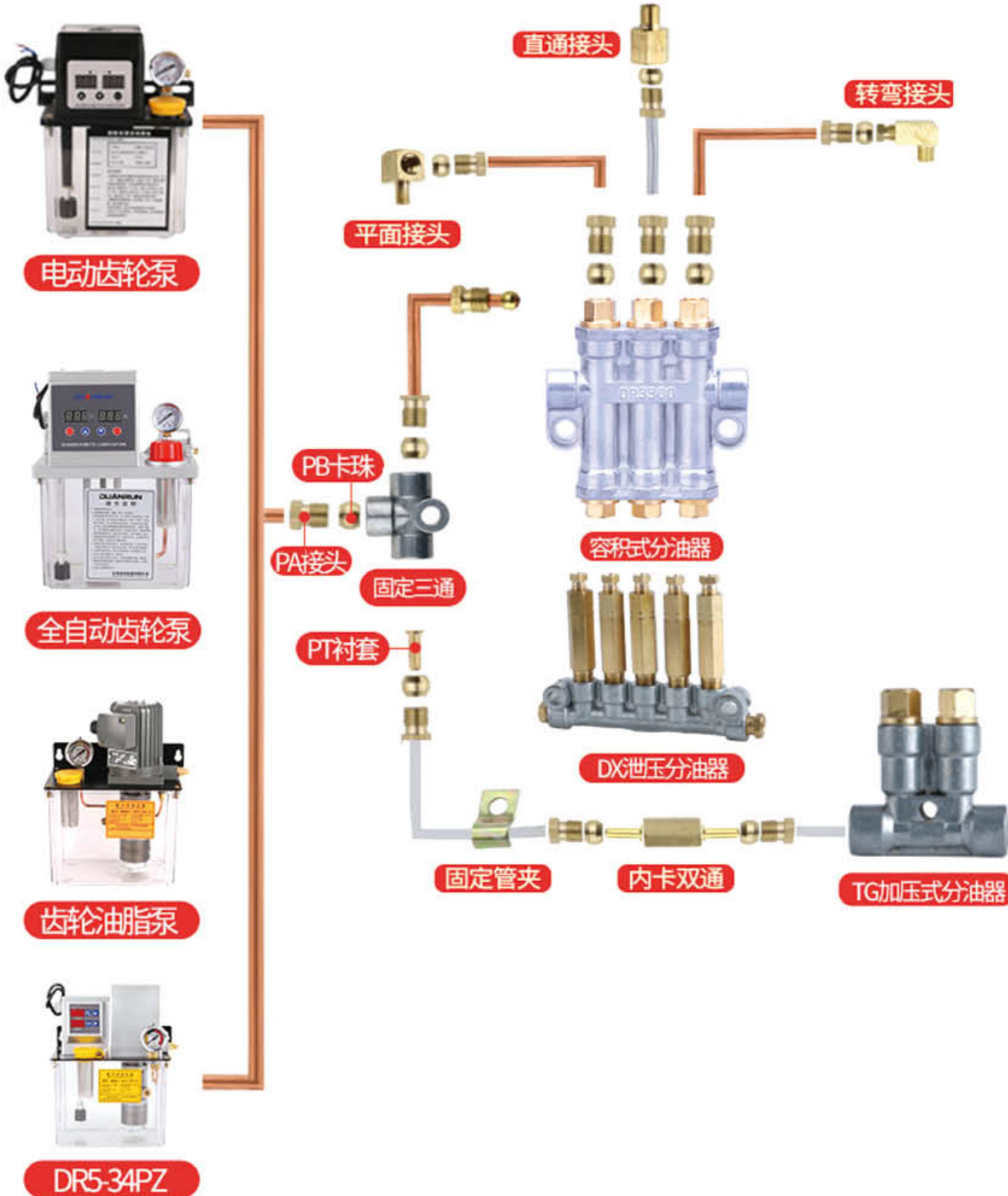
B型可调低抗式润滑系统



递进式集中稀油润滑系统



容积式润滑系统



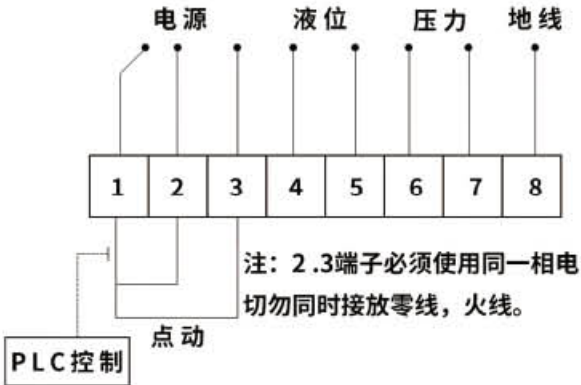
DRB-150A/2C 电动润滑泵



性能特点

1. 安装方便，接线简单；
 2. 供油时间由主机电脑 PLC 控制与设定；
 3. 采用特殊合金钢齿轮泵，具有输出压力稳定，噪音小，寿命长；
 4. 具有液位不足侦测功能；
 5. 具有自动脱压功能，与检测容积式分配器使用可充分发挥润滑效果。
1. Convenient installation and simple wiring;
 2. The fuel supply time is controlled and set by the host computer PLC;
 3. Using special alloy steel gear pump, with stable output pressure, low noise and long life;
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 5. With automatic decompression function, it can give full play to the lubrication effect when used with the detection volume distributor.

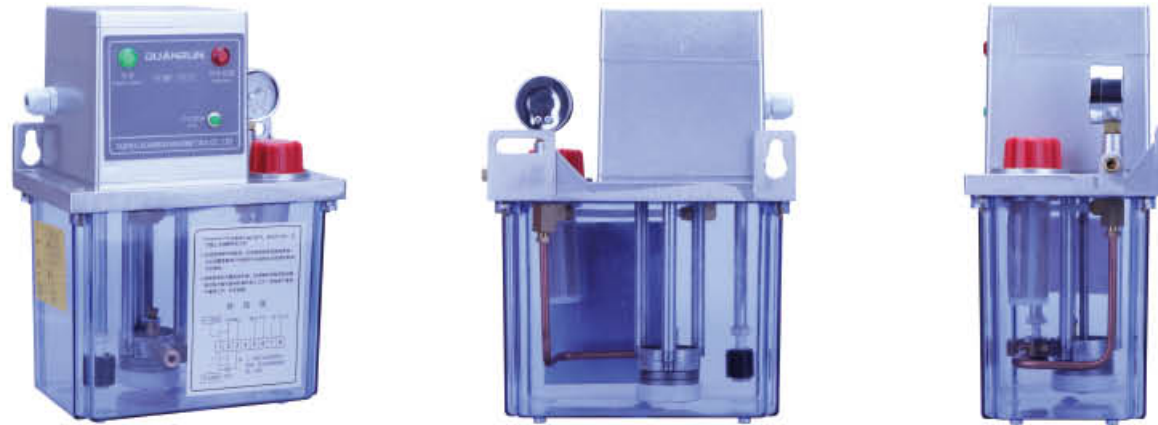
接线图



主要参数

型号 Model	电压 Voltage(V)	输出功率 Power(W)	电流 (A)	额定压力 Kg/(cm ²)	最大压力 Kg/(cm ²)	油箱容积 Oil tank capacity(L)	吐出量 cc/min	使用粘度 c/st
DRB-150A/2C	220V	18	0.35	15-20	30	1.5	100-150	30-1000
DRB-150A/2C	110V	18	0.35	15-20	30	1.5	100-150	30-1000
DRB-150A/2C	220V	18	0.35	15-20	30	1.5	100-150	30-1000

DR2202-210X 电动润滑泵

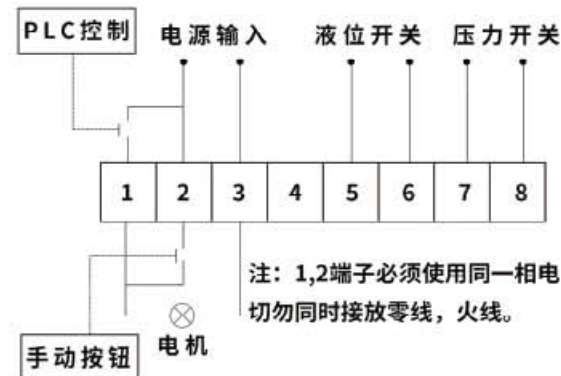


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接线图



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DR2202-210X	220V	18	0.35	15-20	30	1.5	100-150	30-1000
DR2201-210X	110V	18	0.35	15-20	30	1.5	100-150	30-1000
DR2202-210X	220V	18	0.35	15-20	30	1.5	100-150	30-1000

DR2202-410X 电动润滑泵

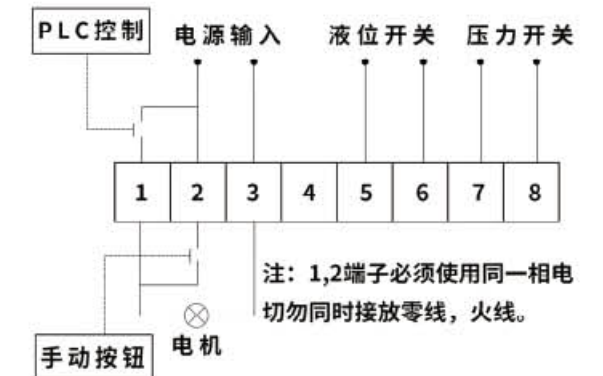


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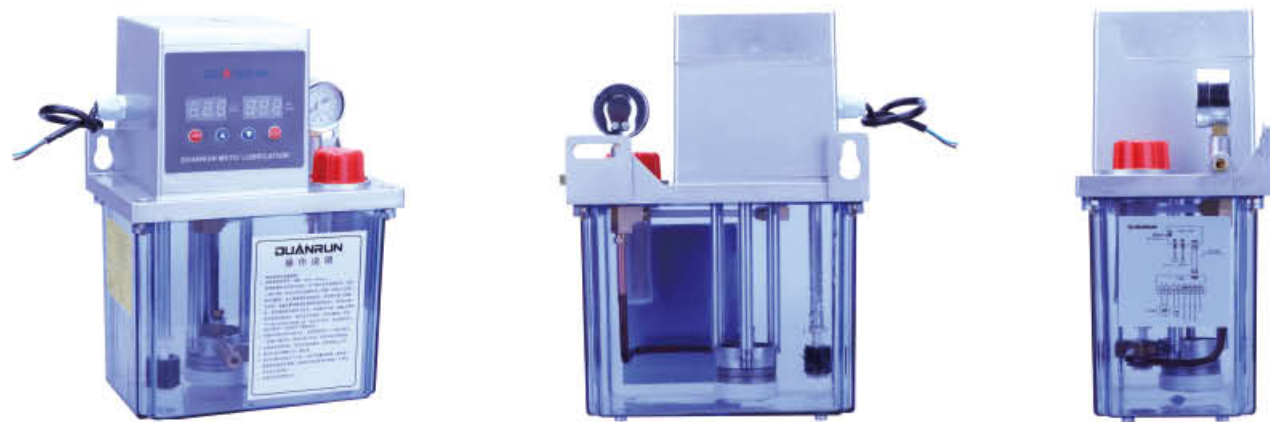
接线图



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DR2202-410X	220V	18	0.35	15-20	30	1.5	100-150	30-1000
DR2201-410X	110V	18	0.35	15-20	30	1.5	100-150	30-1000
DR2202-410X	220V	18	0.35	15-20	30	1.5	100-150	30-1000

DR2262-210X 电动润滑泵

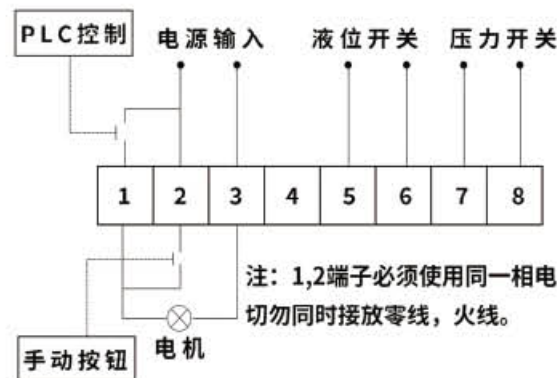


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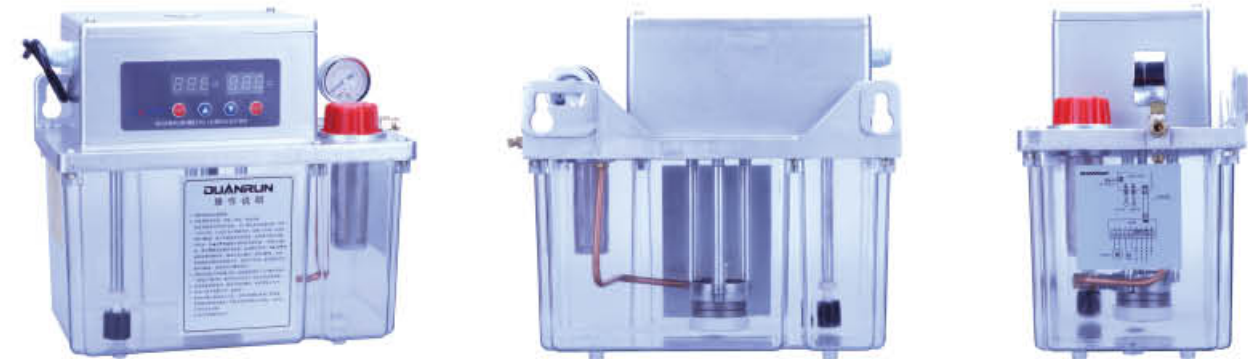
接线图



主要参数

型号 Model	电压 Voltage(V)	额定转速 Speed(r/min)	输出功率 Power(W)	电流 (A)	额定压力 Kgf/cm ²	最大压力 Kgf/cm ²	油箱容积 Oil tank capacity(L)	吐出量 cc/min	使用粘度 c/st
DR2262-210X	220V	2800/50Hz	18	0.35	15-20	30	2	100-150	30-1000
DR2261-210X	110V	3360/60Hz	18	0.35	15-20	30	2	100-150	30-1000
DR2262-210X	220V	2800/50Hz	18	0.35	15-20	30	2	100-150	30-1000

DR2262-410X 电动润滑泵

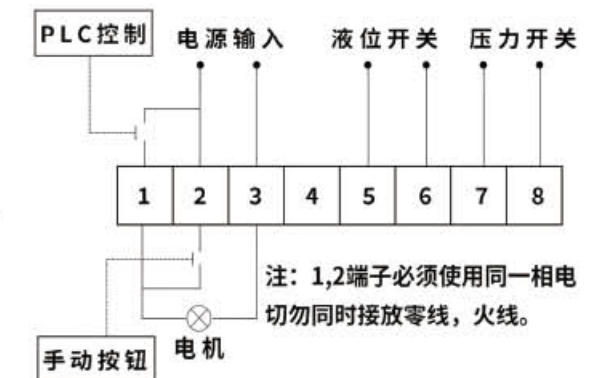


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DR2262-410X	220V	2800/50Hz	18	0.35	15-20	30	2	100-150	30-1000
DR2261-410X	110V	3360/60Hz	18	0.35	15-20	30	2	100-150	30-1000
DR2262-410X	220V	2800/50Hz	18	0.35	15-20	30	2	100-150	30-1000

DR5202-210X



性能特点

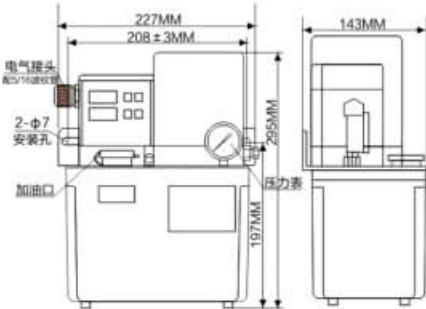
1. 配有数码控制器，用来控制油泵运行时间与休止时间；
2. 用于加压式和容积式定量油脂润滑系统，也可用于抵抗式油脂润滑系统；
3. 设有溢流阀，防止润滑泵超负荷工作；
4. 可配置压力开关（选装件）异常检测报警功能；
5. 采用特殊合金钢齿轮泵，具有输出压力稳定、噪音小、寿命长；
6. 优质圆电机具有工作时噪声低，启动转矩大，外形美观等特点。

1. Equipped with a digital controller to control the running time and rest time of the oil pump;
2. Used in pressurized and volumetric quantitative grease lubrication systems, and can also be used in resistive grease lubrication systems;
3. It is equipped with an overflow valve to prevent the lubrication pump from overloading;
4. Configurable pressure switch (optional) abnormal detection and alarm function;
5. Using special alloy steel gear pump, with stable output pressure, low throat noise and long life;
6. The high-quality round motor has the characteristics of low noise during operation, large starting torque, and beautiful appearance.

主要参数

型号 Model	流量 L/min	工作压力	邮箱 容积	电压	电机参数 功率	转数	频率	压力 开关
GR5202-200X	0.5	4.0Mpa	2L	AC220	90	2700	50Hz	无
GR5202-210X	0.5	4.0Mpa	2L	AC220	90	2700	50Hz	有
GR5203-200X	0.5	4.0Mpa	2L	AC380	90	2700	50Hz	无
GR5203-210X	0.5	4.0Mpa	2L	AC380	90	2700	50Hz	有

接线图



DR5202-410X



性能特点

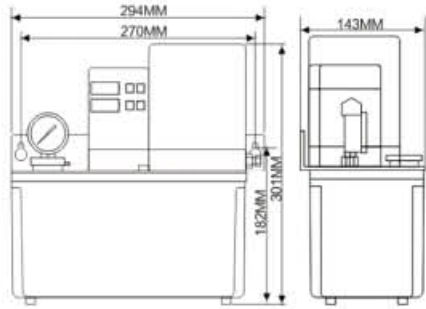
1. 配有数码控制器，用来控制油泵运行时间与休止时间；
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3. 设有溢流阀，防止润滑泵超负荷工作；
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5. 采用特殊合金钢齿轮泵，具有输出压力稳定、噪音小、寿命长；
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GR5202-400X	0.5	4.0Mpa	4L	AC220	90	2700	50Hz	无
GR5202-410X	0.5	4.0Mpa	4L	AC220	90	2700	50Hz	有
GR5203-400X	0.5	4.0Mpa	4L	AC380	90	2700	50Hz	无
GR5203-410X	0.5	4.0Mpa	4L	AC380	90	2700	50Hz	有

接线图



DR5202F-210X



性能特点

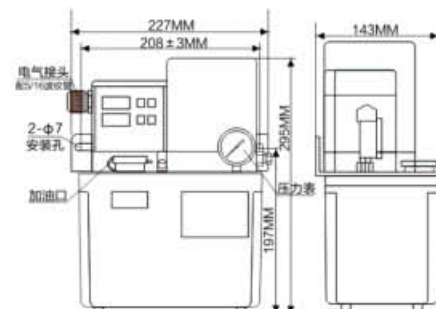
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GR5202F-200X	0.5	4.0Mpa	2L	AC220	90	2700	50Hz	无
GR5202F-210X	0.5	4.0Mpa	2L	AC220	90	2700	50Hz	有
GR5203F-200X	0.5	4.0Mpa	2L	AC380	90	2700	50Hz	无
GR5203F-210X	0.5	4.0Mpa	2L	AC380	90	2700	50Hz	有

接线图



DR5202F-410X



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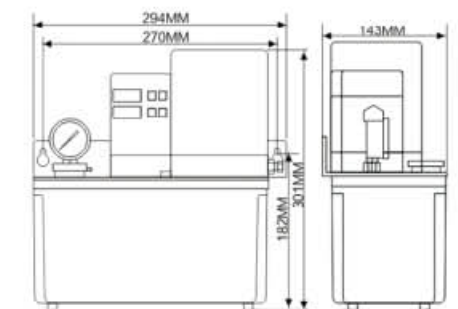
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3. 设有溢流阀，防止润滑泵超负荷工作；
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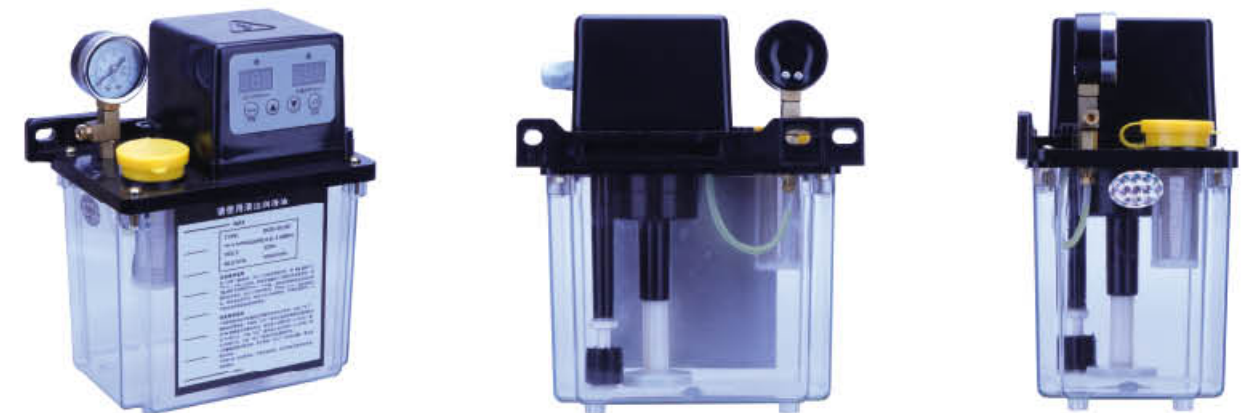
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GR5202F-410X	0.5	4.0Mpa	4L	AC220	90	2700	50Hz	有
GR5203F-400X	0.5	4.0Mpa	4L	AC380	90	2700	50Hz	无
GR5203F-410X	0.5	4.0Mpa	4L	AC380	90	2700	50Hz	有

接线图



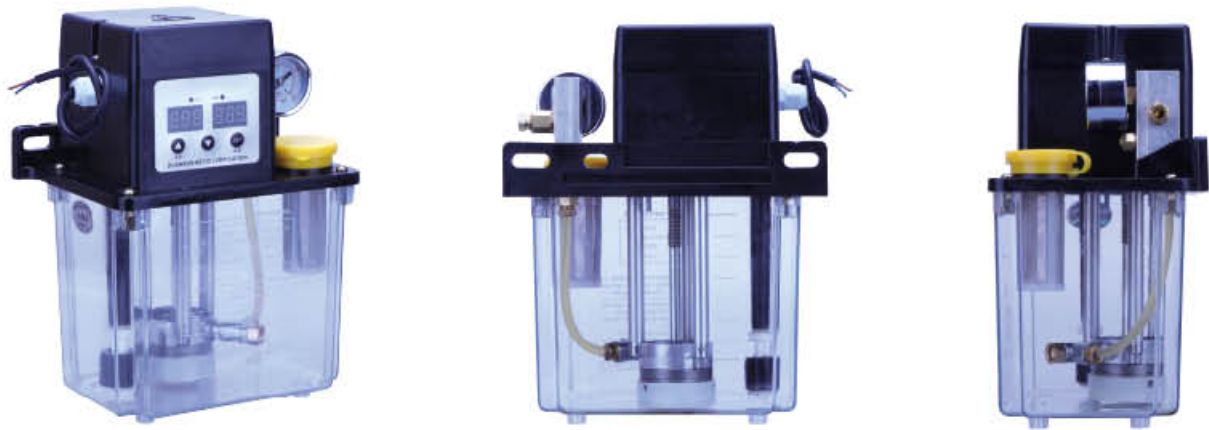
DCR 电磁泵



性能特点

- 系统可设定三种动作模式。
 - 润滑：开机时先执行润滑时间计时。
 - 间歇：润滑完成后执行间歇时间计时（时间单位可转换）。
 - 记忆：断电后再次送电可继续执行之前未完成的间歇时间。润滑时间和间歇时间均可调整。（内设锁键功能，可锁定设置后的润滑和间歇时间）
 - 设有液位开关、压力开关（可选配）。当油量或压力不足时，蜂鸣器会发出报警、并将异常信号输出。
 - 压力不足显示 Erp。
 - 液位不足显示 Ero。
 - 系统时间可设定，“LUB” 润滑时间：1-999（秒）“INT” 间歇时间：1-999（分）（特殊要求可定制）
 - 面板指示灯可显示出注油机的润滑和间歇的状态。
 - 系统可使用“RST”键，强制润滑或消除异常报警信号。
 - 单次最长润滑时间 ≤ 2min，间歇时间通常为润滑时间的 5 倍以上。
 - 电机设有自我保护功能，防止电机温度过高及过载。
 - 在容积式系统中无脱压装置，需配合比例接头分配器使用。
 - 设有溢流阀，可保护注油机及管路由于压力过高而损坏。
- The system can set three action modes.
 - Lubrication: The lubrication time is counted first when starting up.
 - Intermittent: After the lubrication is completed, the intermittent time is counted (the time unit can be converted).
 - Memory: After the power is cut off, the power can be re-transmitted to continue the unfinished intermittent time. Both lubrication time and intermittent time can be adjusted. (Built-in lock key function, can lock the lubrication and intermittent time after setting)
 - Equipped with liquid level switch and pressure switch (optional). When the amount of oil or pressure is insufficient, the buzzer will give an alarm and output an abnormal signal.
 - Erp is displayed for insufficient pressure.
 - Ero is displayed when the liquid level is insufficient.
 - The system time can be set, "LUB" lubrication time: 1-999 (seconds) "INT" intermittent time: 1-999 (minutes) (special requirements can be customized)
 - The panel indicator light can show the lubrication and intermittent status of the oil injection machine.
 - The system can use the "RST" key to force lubrication or eliminate abnormal alarm signals.
 - The longest single lubrication time is ≤ 2min, and the intermittent time is usually more than 5 times the lubrication time.
 - The motor has a self-protection function to prevent the motor from overheating and overloading.
 - There is no decompression device in the positive displacement system, and it needs to be used with a proportional joint distributor.
 - There is an overflow valve to protect the oil injection machine and pipelines from damage due to excessive pressure.

DRB 齿轮泵



性能特点

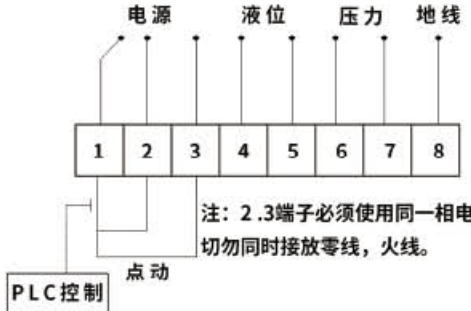
1. 润滑时间和间歇时间均可调整。
2. 设有液位开关。当油量或者压力不足时，蜂鸣器会发出报警，并将异常信号输出。
3. 面板指示灯可显示出注油机的润滑和间歇的状态。
4. 系统可使用“RST”键，强制润滑或消除异常报警信号。
5. 在容积式系统中设有脱压装置，需配合容积式 / 定量泄压式 / 加压式分配器使用。
6. 设有溢流阀，可保护注油机及管路由于压力过高而损坏。

1. Lubrication time and intermittent time can be adjusted.
2. Equipped with a liquid level switch. When the amount of oil or pressure is insufficient, the buzzer will give an alarm and output an abnormal signal.
3. Panel indicators can show the lubrication and intermittent status of the oil injection machine.
4. The system can use the "RST" key to force lubrication or eliminate abnormal alarm signals.
5. There is a depressurization device in the volumetric system, which needs to be used with a volumetric/quantitative pressure relief/pressurized distributor.
6. It is equipped with an overflow valve, which can protect the oil injection machine and the official line from damage due to excessive pressure.

主要参数

型号 Model	电压	输出功率	电流	额定压力	最大压力	油箱容积	吐出量
DRB-150/2C	220V	60W	0.35A	15-20	30	1.5L	32-68
DRB-150/2C	110V	60W	0.35A	15-20	30	1.5L	32-68
DRC-150/2C-24	24V	24W	0.35A	15-20	30	1.5L	32-68

接线图



YDB-F 黄油泵



YDB-F-

控制类型 Types of control	
A	YDB 控制器 YDB controller
B	自带控制器 Built-in controller
C	分离控制器 Separate controller

Type of lubrication system	
X	容积式Volumetric
T	抵抗式Resistance

空白 blank	不带压力开关 Without pressure switch
P	带压力开关 With pressure switch

油箱容积 Tank volume	
015	1.5L
2	2L
3	3L

* Tank capacity can be customized according to customer requirements

功率/流量 Power/flow	
25W	流量20CC/min
40W	流量50CC/min

油位检测	
Oil level detection	
空白	无低油位报警器
blank	No low oil level alarm
B	带低油位报警器
	With a low oil level alarm

出口口类型 Type of outlet	
L	直角接头Right Angle connector
D	直通接头Through joint

加油口形式 Filling port form	
H	黄油嘴 Grease nipple
Y	快插式加油嘴 Quick plug refueling nozzle
B	配油脂过滤器 Grease filter

出油口管径 Outlet pipe diameter			
6	Φ6	8	Φ8

输入电压 The input voltage	
1	单相 Single phase 110V
2	单相Single phase 220V
3	DC12V
4	DC24V

性能和特点

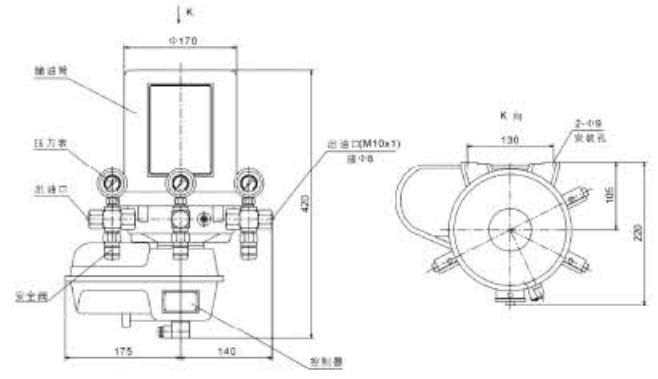
- 1、由主机 PLC 控制器控制润滑油泵工作周期。
- 2、设有调压阀，控制润滑油泵的工作压力，保证其工作安全。
- 3、设有电磁泄压装置，油泵停止运行，系统自动泄压，缩短系统泄压时间。
- 4、设有放气阀，以排出润滑油泵腔内的空气，确保润滑油泵排油顺畅。
- 5、采用压油盘，真空吸油。
- 6、采用加油枪通过滤油器向油泵储油桶内加注油剂，减少杂质、空气混入润滑系统，提供润滑系统使用效果。
- 7、搭配 JPQ 递进式分油器、片式分配器使用
使用介质 000#-1# 锂基脂。

1. The working cycle of the lubricating oil pump is controlled by the host PLC controller.
2. There is a pressure regulating valve to control the working pressure of the lubricating oil pump to ensure its working safety.
3. Equipped with electromagnetic pressure relief device, the oil pump stops running, and the system automatically relieves pressure, which shortens the system pressure relief time.
4. There is an air release valve to discharge the air in the lubricating oil pump cavity to ensure smooth oil discharge from the lubricating oil pump.
5. The oil pressure plate is used to suck oil in a vacuum.
6. Use a fuel gun to fill the oil pump tank with oil through the oil filter to reduce impurities and air mixing into the lubrication system and provide the effect of the lubrication system.
7. Use with JPQ progressive oil separator and chip distributor
Use medium 000#-1# lithium-based grease.

主要参数

产品型号	YDB-P24C
外壳材质	PP
额定电压	24VDC
工作电压	12VDC~30VDC
工作电流	3A
功率	40W
公称流量	30ML/Min
公称压力	6MPa
油桶容积	1.5L
防护等级	IP65
抗震等级	5G
质量	5.1KG

YDB-M 黄油泵



性能和特点

- 1、该电动润滑泵有四个泵单元，可直接向润滑点供油，也可通过JPG等递进式分配器向更多的润滑点输送油剂。其结构紧凑，维护方便。
- 2、采用全密封结构，具有防水，防尘等优点。
- 3、出油口均配有防震压力表，便于观察判断各油路的工作状况。
- 4、出油口均配有安全阀，分别控制各个油路超负荷，确保润滑泵安全使用。当油路超负载，安全开启释油，油路压力恢复正常则复原工作。
- 5、出油口设有单向阀，防止排出的油剂逆流。
- 6、采用螺旋式挤油板，强制吸油，储油筒内油剂不沉积。
- 7、采用加油枪通过滤油器向储油筒内加注油剂，减少杂质混入润滑系统，保护系统工作安全。

1. The electric lubrication pump has four pump units, which can directly supply oil to the lubrication points, or deliver oil to more lubrication points through progressive distributors such as JPQ. Its structure is compact and easy to maintain.
2. It adopts a fully sealed structure, which has the advantages of waterproof and dustproof.
3. The oil outlet is equipped with a shock-proof pressure gauge, which is convenient for observing and judging the working condition of each oil circuit.
4. The oil outlet is equipped with a safety valve to control the overload of each oil circuit separately to ensure the safe use of the lubricating pump. When the oil circuit is overloaded, it is safe to open and release the oil, and the oil circuit pressure will return to normal.
5. The oil outlet is equipped with a one-way valve to prevent backflow of the discharged oil.
6. The spiral oil squeezing plate is used to force oil absorption, and the oil agent does not deposit in the oil storage cylinder.
7. Use a fuel gun to fill the oil storage cylinder with oil through the oil filter to reduce the mixing of impurities into the lubrication system and protect the safety of the system.

主要参数

型号 Model	公称 排量 ml/min	公称 压力 Mpa	安全溢 流阀压力 Mpa	出口 口数 PCS	油桶 容积 L	重量 KG	电机 功率 W	电子程控远 行时间范围 s	电子程控停 止时间范围 m
YDB-M	1.8	25	25	1-6	4 6	4	50	0-99	0-99

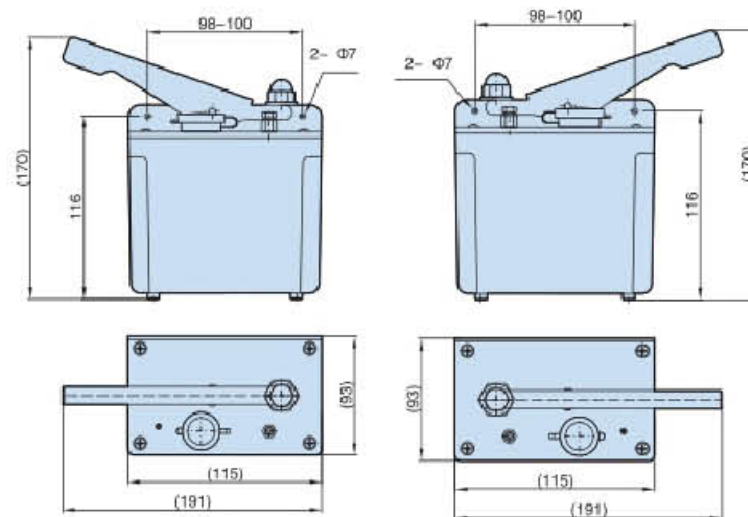
HP-5 手压油泵



性能特点

1. 柱塞式结构，用于稀油润滑。
2. 手动操作，压下手柄时储油，松开手柄时排油。
1. Plunger type structure, used for thin oil lubrication.
2. Manual operation, oil is stored when the handle is depressed, and drained when the handle is released.

安装尺寸



主要参数

型号 Model	吐出量 cc/min	最大吐出压力 Kgf/cm ²	油箱容积 Oil Tank Capacity(L)	吐出口径 Spit out the Caliber	吐出口数 Number of Exhailes	形式 Form	备注 Remarks
HP-5L	5	5	0.6	M8X1	1	抵抗式	左手压
HP-5R	5	5	0.6	M8X1	1	抵抗式	右手压

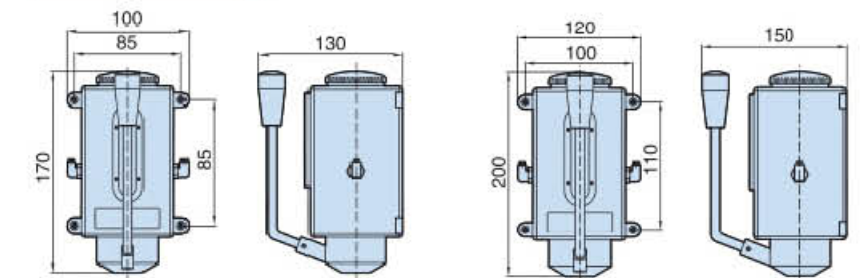
Y-8 手摇泵



性能特点

1. 柱塞式结构，用于稀油润滑。
2. 手动操作，拉出手柄时排油，手柄复位时储油。
3. 两个出油口可同时或任选一个出油。
4. 配有树脂油标，可方便观察油位。
1. Plunger type structure, used for thin oil lubrication.
2. Manual operation, drain oil when the handle is pulled out, and store oil when the handle is reset.
3. Two oil outlets can be used at the same time or choose one oil outlet.
4. Equipped with resin oil mark, easy to observe the oil level.

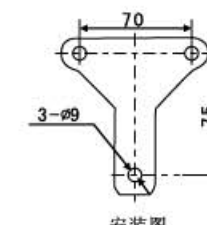
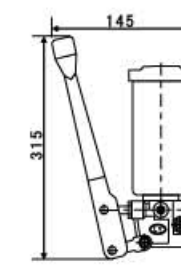
安装尺寸



主要参数

型号 Model	吐出量 cc/min	最大吐出压力 Kgf/cm ²	油箱容积 Oil Tank Capacity(mL)	吐出口径 Spit out the Caliber	吐出口数 Number of Exhailes	安装尺寸 Installation Size	形式 Form
Y-8	8	15	800	φ4/φ6	2	100X110	卸压式
Y-8	8	15	800	φ4/φ6	2	100X110	抵抗式

MYG 手摇黄油泵



安装图



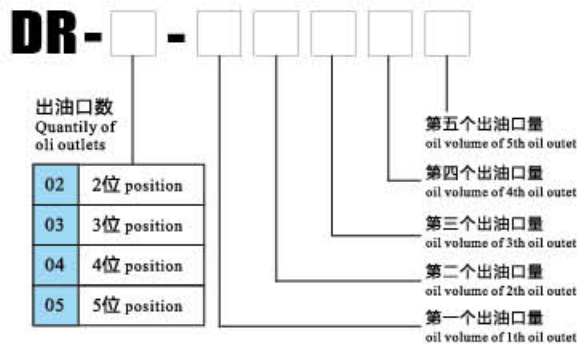
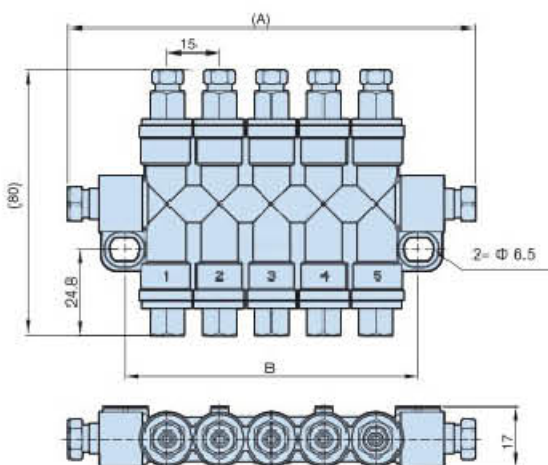
MYG-(03/05/08)

性能特点

- 透明树脂油箱。
- 柱塞式结构，用于油脂润滑。
- 手动操作，拉出手柄时储油，推进时手柄排油。
- 无卸荷功能，用于抵抗式油脂润滑系统。
- Transparent resin tank.
- Plunger structure for grease lubrication.
- Manual operation, when pulling out the handle to store oil, push the handle to drain oil.
- No unloading function, used in resistant grease lubrication system.

型号 Model	吐出量 cc/min	最大吐出压力 MPa	油箱容积 Oil Tank Capacity(mL)	吐出口径 Spit out the Caliber	吐出口数 Number of Exhailes	形式 Form
MYG-03	2	10	300	M10X1	1	抵抗/卸压
MYG-05	2	10	500	M10X1	1	抵抗/卸压
MYG-08	2	10	800	M10X1	1	抵抗/卸压

容积式定量分配器

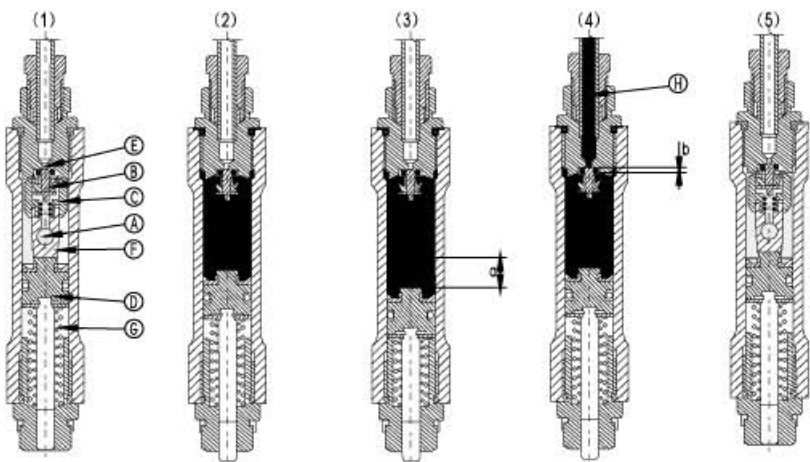


型号规格 specifications	出口数 Outlet quantity	A	B	吐出量 Throughput
DR3200	2	69	39	0.1/0.2/ 0.3/0.4/ 0.5
DR3300	3	86	54	
DR3400	4	102	69	
DR3500	5	116.5	84	
DR3600	6	132	99	

油量表示方式: (注当所有出油口油量值一样时, 只用一个油量值表示)
例1: VAE-05-2表示VAE型五位第1、2、3、4、5出油口油量全部为0.2mL每次
例2: VAE-05-S3235表示VAE型五位第1、2、3、4、5出油口油量分别为0.5、0.3、0.2、0.3、0.5mL每次

The amount of oil:
(When all outlets have the same oil quantity, only one oil quantity is used)
Example 1: VAE-05-2 indicated that the quantity of oil at the first, second, third, fourth and fifth positions was all 0.2mL each time
Example 2: VAE-05-S3235 indicated that the output of the first, second, third, fourth and fifth viva was 0.5, 0.3, 0.2, 0.3 and 0.5mL each time, respectively

JPQ 型分配器工作原理

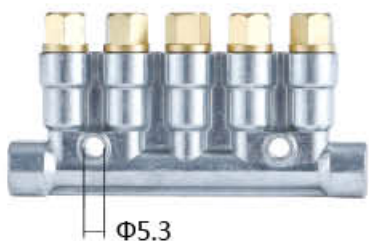
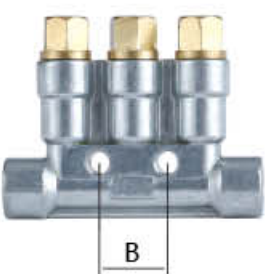


分配器工作原理图

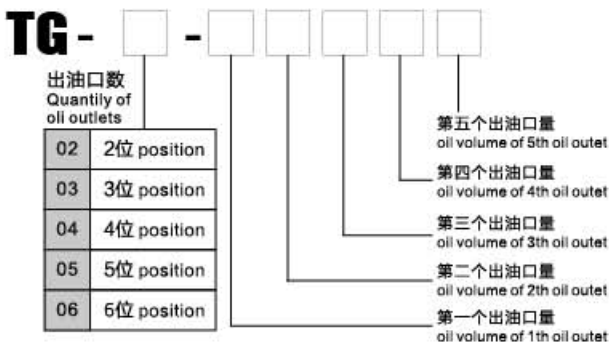
见上图, 从润滑泵压送来的油, 由主管A注入, 并将伞形双向阀B向上推开流入, 通过通路C压送至活塞室F内。受压力油作用下计量活塞向下动作, 弹簧G被压缩蓄压, 从而进行计量蓄油。

当主管A内油压被释放 (即卸压), 伞形阀B因压力差而向下动作, 同时开启吐出出口E, 于是活塞室内计量蓄油通过吐出出口E进入油管H而将油输送到润滑点, 信号销I当计量蓄油时突出, 而供油给润滑点时缩回, 从而可确认分配器动作完成情况。

TG 阻尼加压式分配器



型号选型 Model selection



性能特点

加压式油脂分配器是利用螺旋的阻力控制出油大小, 系统压力必须要在15kg以上方可加压油排加油,

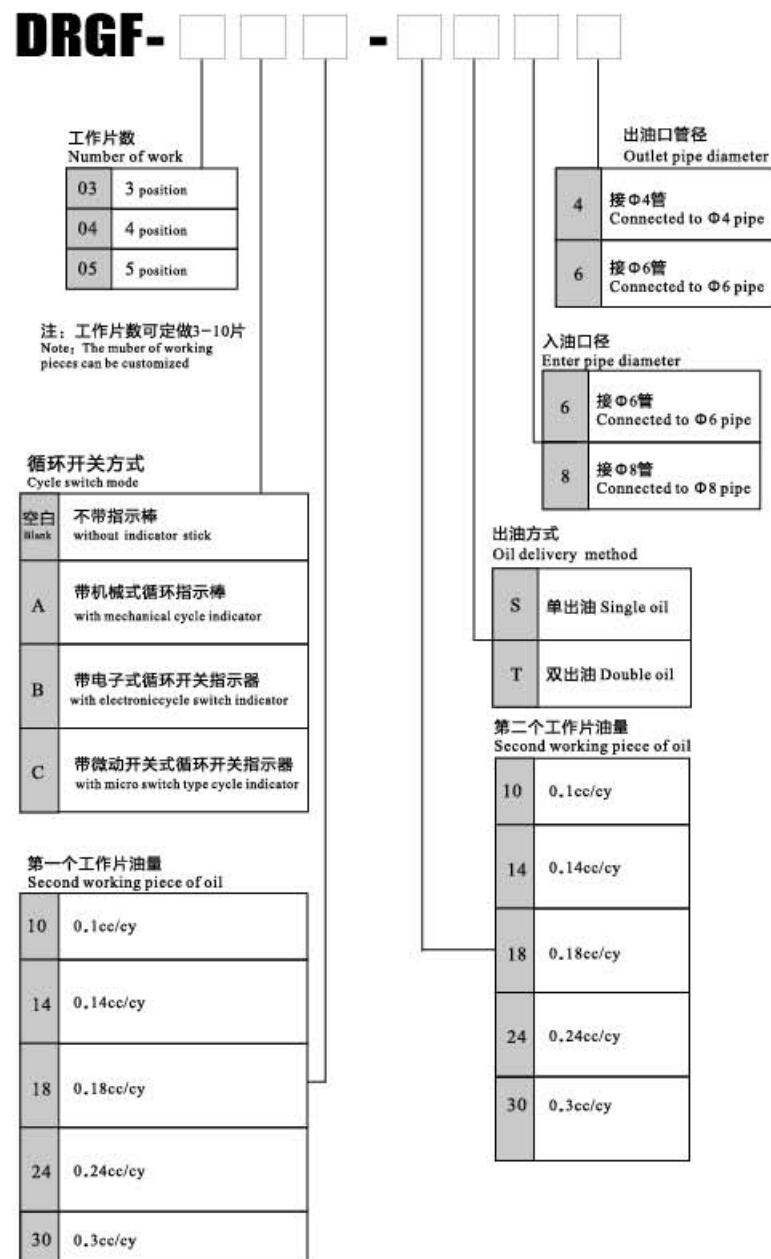
该系统适用于000#至1#润滑油的机械;

Pressurized grease distributor is used to control the size of oil output by the resistance of the screw, and the pressure of the system must be more than 15kg Can be pressurized oil drainage and refueling, the system is suitable for 000# to 1# lubricating oil machinery;

主要参数

型号规格 specifications	出口数 Outlet quantity	A	B	吐出量 Throughput
TG-02	2	47.5		0.1/0.2/ 0.3/0.4/ 0.5
TG-03	3	64.5	17	
TG-04	4	81.5	33	
TG-05	5	98.5	51	
TG-06	6	115	68	

DRGF 递进式分配器



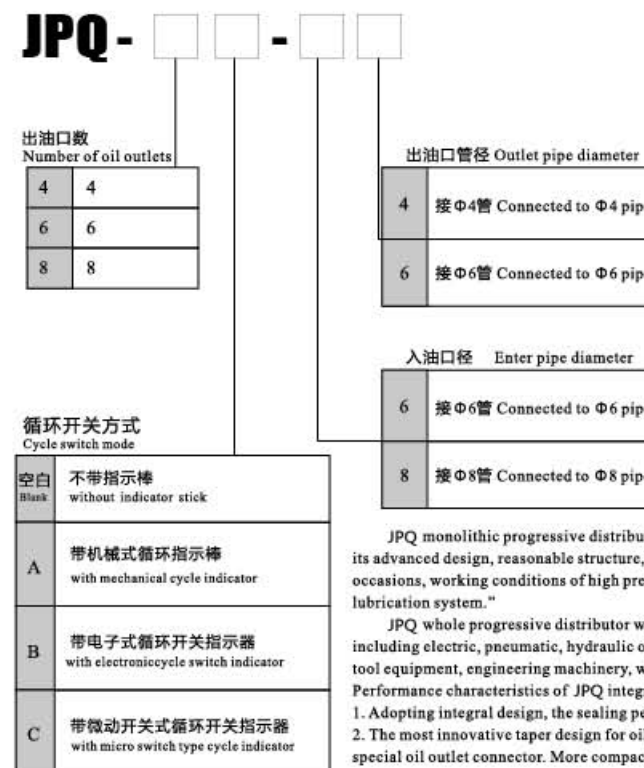
性能和特点

- 采单管方式进行的定量循环分配器
- 吐出量的大小可依规格变化
- 每个吐出口的状况即代表全部吐出口的状况，只要一个出油口有问题并能马上确认出来。
- One-pipe for quantified cycle distribution
- Ejection capacity is changed based on specifications. The quantity of links increased or decreased based quick ejection capacity
- Status of each ejection orifices represents status of all ejection capacity. In case of any problems incurring, the problem can be determined quickly.

主要参数

型号 Model	每孔排量 ml/cy	公称压力 Mpa	启动压力 Mpa	安全阀 溢流压力 Mpa	总组合 片数 PCS	进油孔 管径 mm	出油孔 管径 mm	回油孔 管径 mm
DRGF	0.17; 0.23; 0.30; 0.38;	16	≤ 1.5	10	5-12	Φ6 Φ8	Φ6 Φ8	Φ6 Φ8

JPQ-M 递进式分配器



性能和特点

- JPQ 整体式递进式分配器是一种广泛使用于油脂润滑系统中的计量分配部件，其设计先进、结构合理，由于内外部所有的元器件全部由金属组合而成，故可以适用于高压、宽温度变化的工况场合，同时也可应用在中低压的油脂润滑系统。
- JPQ 整体式递进式分配器由于具有递进式、无需卸压的结构特点，可以与任意类型的包括电动、气动、液动等类型油脂泵组合配套为油脂集中润滑系统，为各种大中小型机床设备、工程机械、风力发电、钢厂、港口、起塔及其它各种设备提供润滑工作。
- JPQ 整体式递进式分配器性能特点：
1. 采用整体式的设计，密封性能更加优越；
 2. 采用最新颖的出油口锥面设计，可以使用油塞和特殊出油接头随意组合出油口数量；
 3. 设计结构更加紧凑、合理；油量输出精确；

JPQ monolithic progressive distributor is a kind of widely used in measuring distribution of grease lubrication system components, its advanced design, reasonable structure, due to the internal and external all components are all made by metal, so it can be applied to occasions, working conditions of high pressure and wide temperature change at the same time can also be used in low pressure grease lubrication system.

JPQ whole progressive distributor with progressive type, without pressure relief structure characteristic, can with any type of types including electric, pneumatic, hydraulic oil pump sets for grease lubrication system, for all kinds of big small and medium-sized machine tool equipment, engineering machinery, wind power, steel, ports, towers and other all sorts of equipment to provide lubrication.

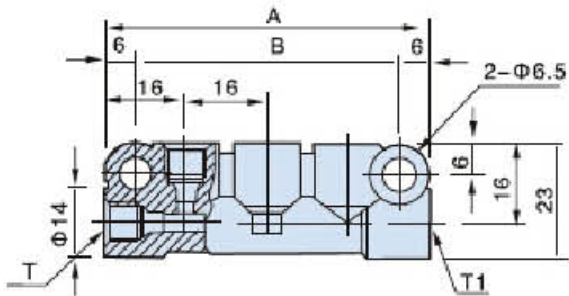
Performance characteristics of JPQ integral progressive distributor :

1. Adopting integral design, the sealing performance is better;
2. The most innovative taper design for oil outlets was adopted. The number of outlets could be randomly combined with oil plugs and a special oil outlet connector. More compact and reasonable designs; Accuracy of the fluid output;

主要参数

型号 Model	每孔排量 ml/cy	公称压力 Mpa	启动压力 Mpa	给油口数 PCS	进油口径 mm
JPQ-M1	0.2	31.5	≤ 1.5	6-20	Φ6 Φ8
JPQ-M2	0.15; 0.20; 0.30; 0.38; 0.48; 0.60; 0.72; 0.86;				

计量件分油器



AD - [] - [] - []

出油口数 Quantity of oil outlets	
02	2位 position
03	3位 position
04	4位 position
05	5位 position
出油口数量可定做 The quantity of oil outlet can be customized	

出油口螺纹 Outlet thread	
1	进油口与出油口螺纹为M8X1 The inlet and outlet threads are M8X1
2	进油口一边M8X1另外一端M10X1 出油口全部M8X1 Inlet side M8X1 The other end M10X1 All oil outlet M8X1
3	进油口两边M10X1 出油口M8X1 Both sides of the inlet are M10x1 Oil outlet M8X1

进油口类别 Inlet type	
空白	进油口一头配套管帽 另一头配堵头 Matching pipe cap at one end of oil inlet The other end with plug
A	进油口两边都配套管帽 Matching pipe caps on both sides of oil inlet
B	进油口主管一端配直角接头 另外一端配堵头 One end of the inlet main pipe should be equipped with a right-angle connector and the other end should be equipped with a plug

出油口比例接头号数 Oil outlet proportional fitting number	
0	0号比例接头 Proportion joint number 0
1	1号比例接头 Proportion joint number 1
2	2号比例接头 Proportion joint number 2
3	3号比例接头 Proportion joint number 3
4	4号比例接头 Proportion joint number 4
5	5号比例接头 Proportion joint number 5

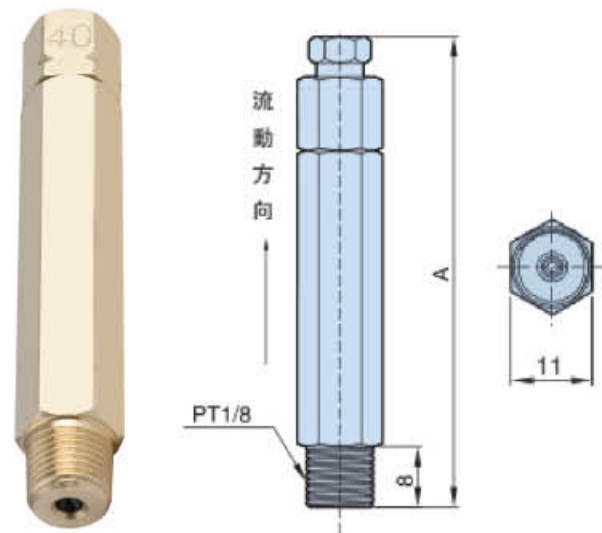
性能特点

DPC型抵抗式计量件又简称为比例式接头管式结构，内设有限流杆和单向阀启动压力：0.2MPa通过节流原理控制流量，按流道能力（流量定数）对流量进行比例匹配。同型号计量件再润滑系统中相互间距离的远、近、高、低、卧装或立装均在实际衬使用中其出油量基本相等。使用寿命长，比例接头单相伐其橡胶密封件外部衬压铜套（除密封面外）防止橡胶密封件膨胀和老化。动作灵敏，排油畅通：比例接头单相伐采用锥形弹簧，确保计量件动作灵敏与排油畅通，并防止排出的油逆流。流量比：统一型号的流量在实际使用过程中会由环境温度的变化和有的粘度不同而发生变化。

DPC type resistance metering piece is also referred to as the proportional joint pipe type structure, with a restrictor rod and a one-way valve inside. Start-up pressure: 0.2MPa controls the flow rate through the throttling principle, and proportionally matches the flow rate according to the flow capacity (flow rate). In the relubrication system of the same type of metering parts, the distance between the far, near, high, low, horizontal or vertical installation is basically the same in actual lining use. Long service life, the proportional joint single-phase rubber seal is lined with a copper sleeve (except the sealing surface) to prevent expansion and aging of the rubber seal. The action is sensitive and the oil drain is smooth; the proportional joint single-phase valve adopts a conical spring to ensure the sensitive action of the metering piece and the smooth oil drain, and prevent the drained oil from flowing back. Flow rate ratio: The flow rate of the unified model will change due to the change of ambient temperature and the difference of some viscosity during actual use.

型号 Model	T	T1	出油口数量 Number of oil outlets	A	B
AD-4-8-8	M8X1	M8X1	2个出油口	48	35
AD-4-8-10	M10X1	M8X1	2个出油口	48	35
AD-5-8-8	M8X1	M8X1	3个出油口	63	51
AD-5-8-10	M10X1	M8X1	3个出油口	63	51
AD-6-8-8	M8X1	M8X1	4个出油口	79	66
AD-6-8-10	M10X1	M8X1	4个出油口	79	66
AD-7-8-8	M8X1	M8X1	5个出油口	95	82
AD-7-8-10	M10X1	M8X1	5个出油口	95	82
AD-8-8-8	M8X1	M8X1	6个出油口	101	97
AD-8-8-10	M10X1	M8X1	6个出油口	101	97
AD-9-8-8	M8X1	M8X1	7个出油口	128	115
AD-9-8-10	M10X1	M8X1	7个出油口	128	115
AD-10-8-8	M8X1	M8X1	8个出油口	143	129
AD-10-8-10	M10X1	M8X1	8个出油口	143	129
AD-12-8-8	M8X1	M8X1	10个出油口	175	160
AD-12-8-10	M10X1	M8X1	10个出油口	175	160

DX 定量泄压式分配器



DX-08 - []

05	0.05毫升/次 0.05ml/time
1	0.1毫升/次 0.1ml/time
2	0.2毫升/次 0.2ml/time
3	0.3毫升/次 0.3ml/time
4	0.4毫升/次 0.4ml/time
5	0.5毫升/次 0.5ml/time

规格型号及技术参数：

型号规格 Specifications	吐出量 Throughput (cc/cy)	A	记号 Mark	重量 Weight
DX-08-05	0.05	53	00	100
DX-08-10	0.1	53	01	100
DX-08-20	0.2	60	02	168
DX-08-30	0.3	60	03	232
DX-08-40	0.4	71	04	299
DX-08-50	0.5	71	05	359

型号规格 Specifications	吐出量 Throughput (cc/cy)	A	记号 Mark	重量 Weight
DX-18-05	0.05	53	00	100
DX-18-10	0.1	53	01	100
DX-18-20	0.2	60	02	168
DX-18-30	0.3	60	03	232
DX-18-40	0.4	71	04	299
DX-18-50	0.5	71	05	359

DX - []

02	出口数为2位 the Oil outlet is at position 2
03	出口数为3位 the Oil outlet is at position 3
04	出口数为4位 the Oil outlet is at position 4
05	出口数为5位 the Oil outlet is at position 5

油量表示方法：（注：当所有出油口油量值一样时，只有一个油量值表示）

例1：DX-05-2表示 DX 型5位分配器第1,2,3,4,5出油口油量全部为

0.2毫升/次。

例2：DX-05-53235表示 DX 型5位分配器第1,2,3,4,5出油口油量分

别为0.5；0.3；0.2；0.3；0.5毫升/次。

*注：DX分配器有7-12位

(note: when the oil quantity of all outlets is the same, there is only one oil quantity)

Example 1: DX-05-2 means that the oil output at the 1st, 2nd, 3rd, 4th, 5th outlet of DX 5-bit distributor is all 0.2ml/time.

Example 2: DX-05-53235 means the oil output of the first 1, 2, 3, 4, and 5 outlets of the DX 5-bit distributor is 0.5, respectively, 0.3; 0.2; 0.3; 0.5ml/time.

*Note: DX distributor has 7-12 digits.

DX 定量泄压式分配器

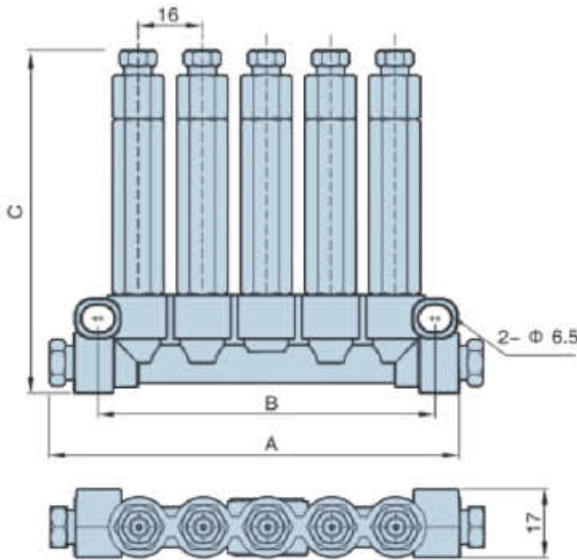
规格型号及技术参数:

Models specifications and technical parameters

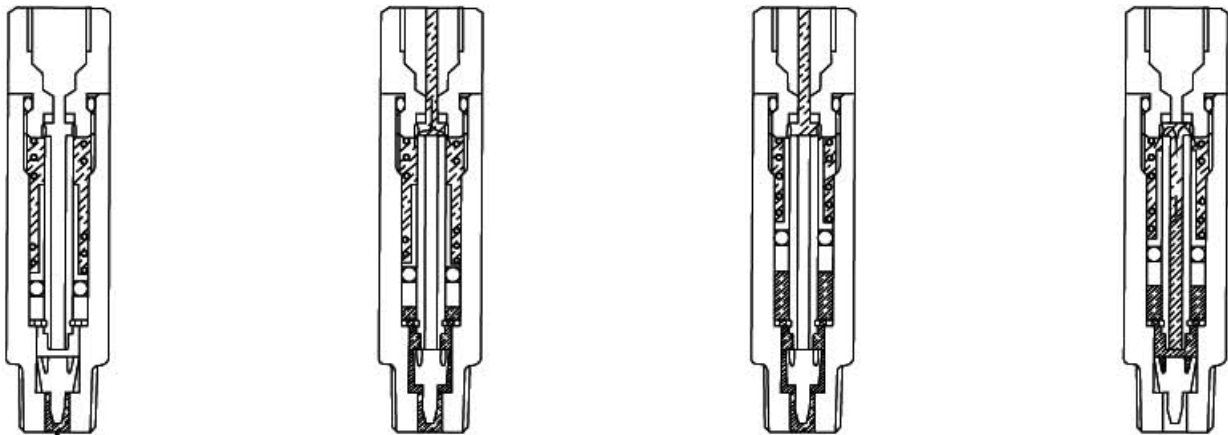
型号规格 Specifications	出口数 Outlet quantity	A	B	C	吐出量 Throughput (cc/cy)
DX-02	2	49	38	68-86	0.05;0.1;0.2; 0.3;0.4;0.5
DX-03	3	65	54	68-86	
DX-04	4	81	70	68-86	
DX-05	5	97	86	68-86	

备注: C尺寸0.1cc为68mm, 0.2~0.3cc为75mm, 0.4~0.5cc为86mm

Remarks: The measurement of C is respectively 68mm, 75mm and 86mm when the throughput is 0.1cc, 0.2~0.3cc, 0.4~0.5cc



DX 定量泄压式分配器工作原理图



- 1 排油前 (加压开始) 2 排油中 (加压中) 3 排油完毕 (加压完毕) 4 计量中 (活塞回复中)

- 1.从油泵中压送出来的润滑剂,使分配器内的伞形阀开始往上推支。
- 2.当伞形阀把蕊杆中心孔封闭后,迫使活塞克服弹簧力开始上升,将上腔原先储存的油剂往外排出。
- 3.当活塞移至上腔顶点时,排油也同量完毕。
- 4.油泵停止供油量,其卸压阀自行开启,使主管管内压力油通过卸压阀回油,此时系统压力下降,分配器中的活塞在弹簧作用下开始回复,当伞形阀回复封闭分配器进油口,则活塞把储存在下腔的油剂通过蕊杆小孔压送到上腔,同时下次的供油也准备完毕。

- 1.The lubricant sent from the medium pressure of the oil pump causes the umbrella valve in the distributor to start pushing up the branch.
- 2.When the umbrella valve closes the core hole of the rod, the piston is forced to overcome the spring force and start to rise, expelling the oil previously stored in the upper cavity.
When the piston moves to the top of the upper cavity, the oil discharge is also completed.
- 3.The oil pump stops supplying oil, and its pressure relief valve opens itself, so that the pressure oil in the main oil pipe returns through the pressure relief valve. At this time, the pressure of the system decreases, and the piston in the distributor is under the action of spring.
- 4.Start to reply, when the umbrella valve returns to the closed distributor inlet, the piston sends the oil stored in the lower cavity to the upper cavity through the rod hole, and the next supply is ready.

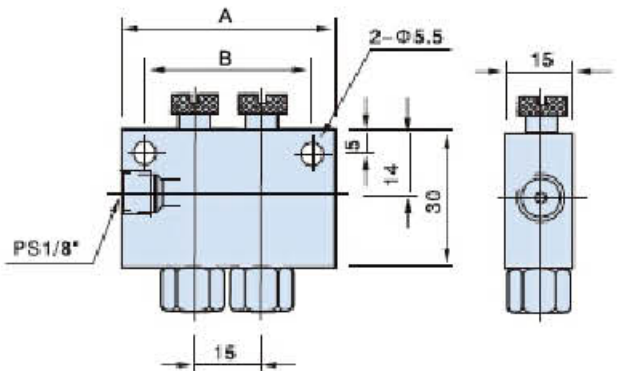
B 型可调分配器



B 型带锁可调分配器



B 型安装尺寸图



型号规格 specifications	入口口径 Inlet calibre	出口口径 Outlet caliber	出口数 Quantity of outlets	A	B
B-024-04 B-026-04 B-026-06 B-028-06	Φ4 Φ6 Φ6 Φ8	Φ4 Φ4 Φ6 Φ6	2	47	37
B-034-04 B-036-04 B-036-06 B-038-06	Φ4 Φ6 Φ6 Φ8	Φ4 Φ4 Φ6 Φ6	3	62	52
B-044-04 B-046-04 B-046-06 B-048-06	Φ4 Φ6 Φ6 Φ8	Φ4 Φ4 Φ6 Φ6	4	77	67
B-054-04 B-056-04 B-056-06 B-058-06	Φ4 Φ6 Φ6 Φ8	Φ4 Φ4 Φ6 Φ6	5	92	82
B-066-04 B-066-06 B-068-06	Φ6 Φ6 Φ8	Φ4 Φ6 Φ6	6	107	97
B-076-04 B-076-06 B-078-06	Φ6 Φ6 Φ8	Φ4 Φ6 Φ6	7	122	112
B-084-04 B-086-06 B-086-06	Φ6 Φ6 Φ8	Φ4 Φ6 Φ6	8	137	127
B-094-04 B-096-06 B-096-06	Φ6 Φ6 Φ8	Φ4 Φ6 Φ6	9	152	142
B-104-04 B-106-06 B-108-06	Φ6 Φ6 Φ8	Φ4 Φ6 Φ6	10	167	157

A 型单边分配器



A - [] - [] - [] - []

出油口数
Quantity of oil outlets

02	2位 position
03	3位 position
04	4位 position
05	5位 position
出油口数量可定做 The quantity of oil outlet can be customized	

出油口螺纹
Outlet thread

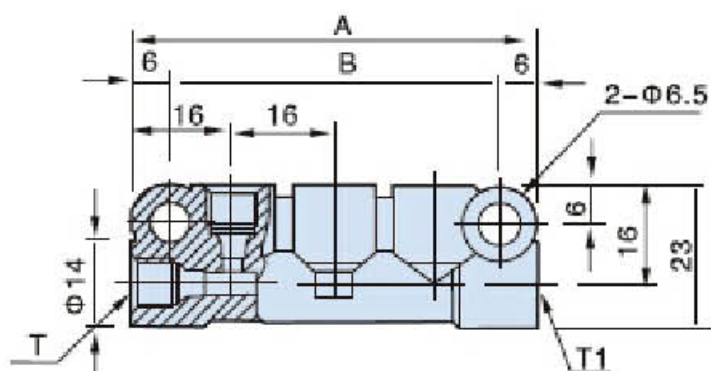
1	进油口与出油口螺纹为M8X1 The inlet and outlet threads are M8X1
2	进油口一边M8X1另外端M10X1 出油口全部M8X1 Inlet side M8X1 The other end M10X1 All oil outlet M8X1
3	进油口两边M10X1 出油口M8X1 Both sides of the inlet are M10X1 Oil outlet M8X1

进油口类别
Inlet type

空白	进油口一头配套管帽 另一头配堵头 Matching pipe cap at one end of oil inlet The other end with plug
A	进油口两边都配套管帽 Matching pipe caps on both sides of oil inlet
B	进油口主管一端配直角接头 另一端配堵头 One end of the inlet main pipe should be equipped with a right-angle connector and the other end should be equipped with a plug

管路接头配置
Pipeline joint configuration

0	不配套管帽 (默认) No piping casing cap (default)
1	配套管帽 Piping casing cap



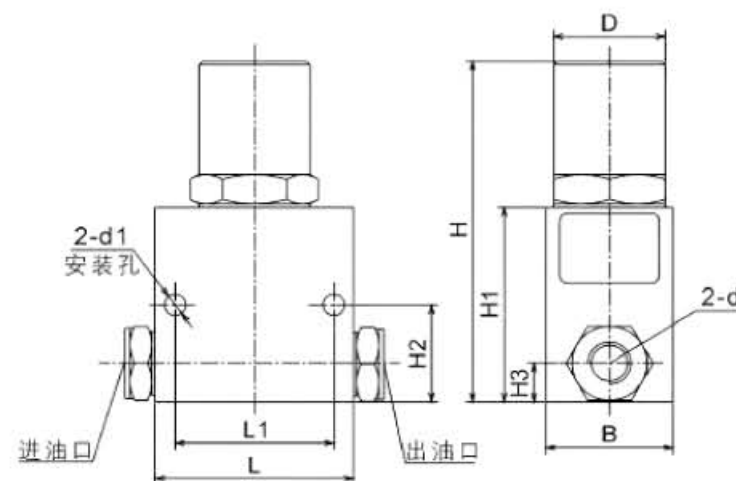
入口 Φ6
Entrance
M10X1.0

出口 Outlet Φ4 M8X1.0



型号 Model	T	T1	出油口数量 Number of oil outlets	A	B
A-4-8	M8X1	M8X1	2 个出油口	48	35
A-4-10	M10X1	M10X1	2 个出油口	48	35
A-5-8	M8X1	M8X1	3 个出油口	63	50
A-5-10	M10X1	M10X1	3 个出油口	63	50
A-6-8	M8X1	M8X1	4 个出油口	79	66
A-6-10	M10X1	M10X1	4 个出油口	79	66
A-7-8	M8X1	M8X1	5 个出油口	95	82
A-7-10	M10X1	M10X1	5 个出油口	95	82
A-8-8	M8X1	M8X1	6 个出油口	101	98
A-8-10	M10X1	M10X1	6 个出油口	101	98
A-9-8	M8X1	M8X1	7 个出油口	127	116
A-9-10	M10X1	M10X1	7 个出油口	127	116
A-10-8	M8X1	M8X1	8 个出油口	143	130
A-10-10	M10X1	M10X1	8 个出油口	143	130
A-12-8	M8X1	M8X1	10 个出油口	175	164
A-12-10	M10X1	M10X1	10 个出油口	175	164

TGQ-30 滤油器



性能特点

滤油器适用于油脂润滑系统;

□ 滤油器用于清除或者减少杂质混入润滑系统;

□ 滤油器安装方法:

1. 安装在润滑泵加油口前端, 通过油枪, 经滤油器, 向润滑泵注入油剂;
2. 安装在润滑系统油泵出油口与分配器进油口之间 (滤油器去除注油口快插接头), 安装在润滑泵加油口前端, 通过油枪, 经滤油器, 向润滑泵注入油剂。

The oil filter is suitable for grease lubrication system;

□ The oil filter is used to remove or reduce impurities mixed into the lubrication system;

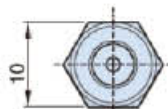
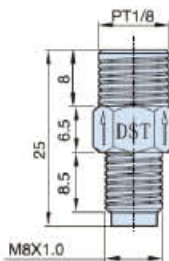
□ Installation method of oil filter:

1. Install at the front end of the lubrication pump oil inlet, and inject oil into the lubrication pump through the oil gun and the oil filter;
2. Installed between the oil pump outlet of the lubrication system and the distributor oil inlet (the oil filter removes the quick-plug connector for the oil injection port), installed at the front end of the lubrication pump oil inlet, through the oil gun, through the oil filter, to the lubrication pump Inject oil.

限流杆单向阀



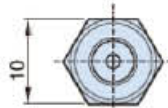
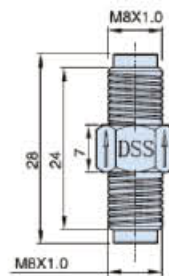
DST



型号规格 specifications	标记 Marks	流量 Flow (CC/min)	连接方式 (connectingmode)
DST-0	DST0	1.8	进油口方向与(套管EB04)和(螺帽EN04)连接 出油口端与设备润滑点连接 (常用于支路末端) The oil inlet is connected to sleeve pipe EB04 and screw cap EN04. The oil outlet is connected to equipment lubricating point (usually used at the end of the branch).
DST-1	DST1	3.8	
DST-2	DST2	6	
DST-3	DST3	12	
DST-4	DST4	18	
DST-5	DST5	22	



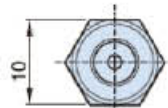
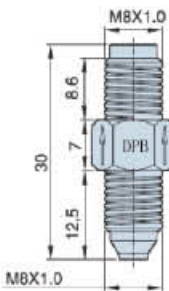
DSS



型号规格 specifications	标记 Marks	流量 Flow (CC/min)	连接方式 (connectingmode)
DSS-0	DSS0	1.8	两端分别与(套管EB04)和(螺帽EN04)连接。 (常用于支路中端) Both ends are connected to sleeve pipe EB04 and screw cap EN04 (usually used at middle end of the branch).
DSS-1	DSS1	3.8	
DSS-2	DSS2	6	
DSS-3	DSS3	12	
DSS-4	DSS4	18	
DSS-5	DSS5	22	



DPC



型号规格 specifications	标记 Marks	流量 Flow (CC/min)	连接方式 (connectingmode)
DPC-0	DST0	1.8	进油口方向与(VAB型)分油块连接。出油口方向与(套管EB04)和(螺帽EN04)连接。(常用于支路前端) The oil inlet is connected to oil distribution block (model VAB). The oil outlet is connected to screw cap EB04 with this sleeve pipe (sleeve pipe EN04).
DPC-1	DST1	3.8	
DPC-2	DST2	6	
DPC-3	DST3	12	
DPC-4	DST4	18	
DPC-5	DST5	22	

性能特点

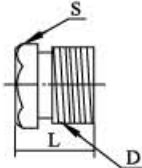
DST/DSS/DPC型抵抗式计量件又简称为比例式接头管式结构, 内设有限流杆和单向阀启动压力: 0.2MPa

通过节流原理控制流量, 按流通能力(流量定数)对流量进行比例匹配。同型号计量件再润滑系统中相互间距离的远、近、高、低、卧装或立装均在实际使用中其出油量基本相等。使用寿命长, 比例接头单相伐其橡胶密封件外部衬压铜套(除密封面外)防止橡胶密封件膨胀和老化。动作灵敏, 排油畅通; 比例接头单相伐采用锥形弹簧, 确保计量件动作灵敏与排油畅通, 并防止排出的油逆流。流量比: 统一型号的流量在实际使用过程中会由环境温度的变化和有的黏度不同而发生变化。

- 1.DST/DSS/DPC resistant measurement device is called proportional joint.
- 2.Pipe structure: built-in flow limit bar and one-way valve.
- 3.Opening pressure: 0.2MPa
- 4.Flow is controlled by the principle of throttling, and distributed according to flowing capacity (flow constant). Meanwhile, the measurement device in the lubricating system with near, distant, high, low, horizontal or vertical installation have identical outlet flow. With long service life, the rubber sealing parts of the proportional one-way joint is coated with copper sleeve (except sealing face) to prevent expansion and aging of rubber sealing parts.
- 5.Sensitive action and smooth oil drain: taper spring is used for one-way valve with proportional joint to ensure that action of the measurement device is sensitive and smooth to prevent reverse flow of oil.
- 6.Flow ratio: flow of the same model shall be changed with change of environmental temperature and oil viscosity in use.

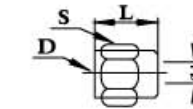
润滑附件

油管接头



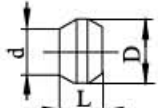
代号	管外径	D	L	S	备注
PA-4	Φ4	M8X1	12	8	
PA-6	Φ6	M10X1	12.5	10	
PA-8	Φ8	M12X1	14	12	
PA-10	Φ10	M16X1.5	16	16	
PA-12	Φ12	M20X1.5	18	18	

螺母接头



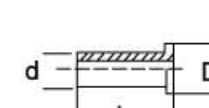
代号	管外径	D	L	d	S	备注
PN-04	Φ4	M8X1	12	4.2	10	
PN-06	Φ6	M10x1	12	6.2	12	

密封圈



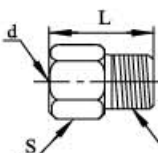
代号	管外径	D	d	L	备注
PB-4	Φ4	Φ4.1	Φ4	4.5	
PB-6	Φ6	Φ6.1	Φ6	5	
PB-8	Φ8	Φ8.1	Φ8	6.5	
PB-10	Φ10	Φ10.1	Φ10	7	
PB-12	Φ12	Φ12.1	Φ12	8.5	

油管衬套



代号	D	d	L	备注
PT-4X2	Φ3.8	Φ2	9	
PT-4X2.5	Φ3.8	Φ2.5	9	
PT-6X4	Φ5	Φ4	11	
PT-8X6	Φ7.5	Φ6	15.5	
PT-10X8	Φ9.5	Φ8	18	

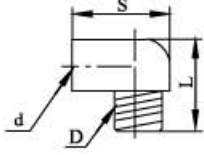
直通接头



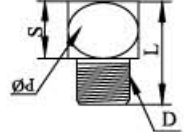
代号	管外径	D	d	L	S	备注
PD-406	Φ4	M6X1	M8X1	15	8	
PD-406-1		M6X0.75				
PD-408		M8X1		16	10	
PD-418		R1/8				
PD-410	Φ6	M10X1	M10X1			
PD-608		M8X1		17	12	
PD-618		R1/8				
PD-610		M10X1		18	14	
PD-612	Φ8	M12X1	M12X1	20	14	
PD-614		R1/4				
PD-810		M10X1				
PD-818		R1/8		26	17	
PD-814	Φ10	R1/4	M16X1.5			
PD-1018		R1/8		22	18	
PD-1014		R1/4		29	18	
PD-1038		R3/8		33	19	

润滑附件

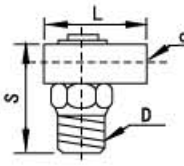
内卡直角接头

		代号		管外径	D	d	L	S	备注
		PL-406	Φ4	M6X1	M8X1	15	18		
		PL-406-1		M6X0.75					
		PL-408		M8X1		16			
		PL-418		R1/8					
		PL-410		M10X1					
		PL-608	Φ6	M8X1	M10X1	17	20		
		PL-618		R1/8					
		PL-610		M10X1		18			
		PL-612		M12X1					
		PL-614		R1/4		20			
		PL-810	Φ8	M10X1	M12X1	26	29		
		PL-818		R1/8					
		PL-814		R1/4					
		PL-1018	Φ10	R1/8	M16X1.5	22	29		
		PL-1014		R1/4		29	29		
		PL-1038		R3/8		33	29		

平面直角接头

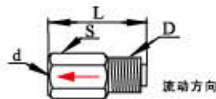
		代号	D	d	L	S	备注
		PPL-408	M8X1	M8X1	20	12	
		PPL-410	M10X1	M8X1	20	12	
		PPL-418	R1/8	M8X1	21	13	
		PPL-608	M8X1	M10X1	22	13	
		PPL-610	M10X1	M10X1	22	13	
		PPL-618	R1/8	M10X1	22	13	
		PPL-G1818	R1/8	G1/8	21	13	

活动直角接头

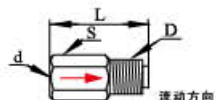
		代号		管外径	D	d	L	S	备注
		PLH-408	Φ4	M8X1	M8X1	28	29		
		PLH-418		R1/8					
		PLH-410		M10X1					
		PLH-608	Φ6	M8X1	M10X1				
		PLH-618		R1/8					
		PLH-610		M10X1					
		PLH-G1818		R1/8	G1/8				

润滑附件

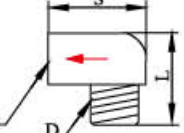
单向直通接头（正向）

		代号	管外径	D	d	L	S	备注
		PD-4081	Φ4	M8X1	M8X1	22	10	
		PD-4181		R1/8				
		PD-4101		M10X1				
		PD-6081	Φ6	M8X1	M10X1	24	12	
		PD-6181		R1/8				
		PD-6101		M10X1				

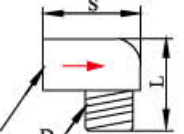
单向直通接头（反向）

		代号	管外径	D	d	L	S	备注
		PD-4082	Φ4	M8X1	M8X1	22	10	
		PD-4182		R1/8				
		PD-4102		M10X1				
		PD-6082	Φ6	M8X1	M10X1	24	12	
		PD-6182		R1/8				
		PD-6102		M10X1				

单向直角接头（正向）

		代号	管外径	D	d	L	S	备注
		PL-4081	Φ4	M8X1	M8X1	22	10	
		PL-4181		R1/8				
		PL-4101		M10X1				
		PL-6081	Φ6	M8X1	M10X1	24	12	
		PL-6181		R1/8				
		PL-6101		M10X1				

单向直角接头（反向）

		代号	管外径	D	d	L	S	备注
		PL-4082	Φ4	M8X1	M8X1	22	10	
		PL-4182		R1/8				
		PL-4102		M10X1				
		PL-6082	Φ6	M8X1	M10X1	24	12	
		PL-6182		R1/8				
		PL-6102		M10X1				

润滑附件

锥度油塞

代号	D	L	S	备注
PS-8Z	M8X1	14	12	
PS-10Z	M10X1	15	14	

连接接头

代号	D	L	备注
PJ-06	M6X1	20	
PJ-08	M8X1	23	
PJ-10	M10X1	27	

外接双通接头

代号	D	d	L	S	备注
T-6-8	M6X1	M8X1	20	8	
T-8-8	M8X1	M8X1	23	10	
T-8-10		M10X1			
T-8-R1/8		R1/8			
T-10-10	M10X1	M10X1	25	10	
T-10-R1/8		R1/8			
T-R1/8-R1/8		R1/8			
T-R1/8-R1/2	R1/8	R1/2	30	22	
T-R1/8-R1/4		R1/4	27	14	
T-R1/8-R1/4		R1/4	30	14	
T-R1/4-R3/8	R1/4	R3/8	30	17	

内外接双通接头

代号	D	d	L	S	备注
2T-8-8	M8X1	M8X1	24	10	
2T-8-10	M8X1	M10X1	24	12	
2T-10-10	M10X1	M10X1	26	12	
2T-10-12	M10X1	M12X1.25	29	14	
2T-8-G1/8	M8X1	G1/8	23	10	
2T-10-G1/8	M10X1	G1/8	23	12	
2T-14-G1/4	M14X1.5	G1/4	33	16	
2T-16-G1/4	M16X1.5	G1/4	36	18	
2T-18-G3/8	M18X1.5	G3/8	39	21	

润滑附件

油刷

代号	D	L	S	B	A	备注
0B-1816	Rc1/8	75	13	37	16	

三通接头

代号	D	d	L	S	W	备注
3T-8-8	M8X1	M8X1	30	22	12	
3T-8-10	M10X1	M8X1				
3T-10-10	M10X1	M10X1				
3T-G1/8-G1/8	G1/8	G1/8	31	25	18	
3T-G1/8-G1/4	G1/4	G1/8				
3T-G3/8-G3/8	G3/8	G3/8				

侧外接三通接头

代号	D	d	L	S	备注
3TZ-8-8	M8X1	M8X1	30	12	
3TZ-8-10	M10X1				
3TZ-8-1/8	R1/8				
3TZ-10-8	M8X1	M10X1	30	12	
3TZ-10-10	M10X1				
3TZ-10-1/8	R1/8				

正外接三通接头

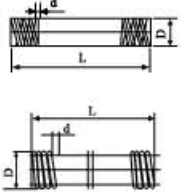
代号	D	d	L	S	备注
3TG-8-8	M8X1	M8X1	30	12	
3TG-8-10	M10X1				
3TG-8-1/8	R1/8				
3TG-10-8	M8X1	M10X1	30	12	
3TG-10-10	M10X1				
3TG-10-1/8	R1/8				

固定双通接头

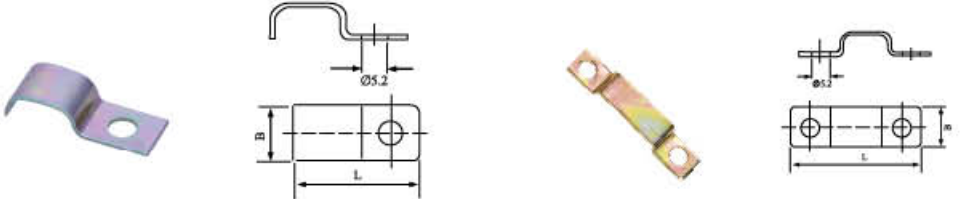
代号	D	d	L	备注
2TD-8-8L	M8X1	M8X1	30	
2TD-8-1/8L		G1/8		
2TD-8-10L		M10X1		
2TD-10-10L	M10X1	M10X1		
2TD-10-G1/8L	M10X1	G1/8		
2TD-G1/8-G1/8L	G1/8	G1/8		

润滑附件

弹簧护套

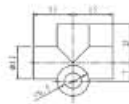
		代号	D	d	疏圈	备注
		PHT-04	Φ5.5	Φ0.5		
		PHT-06	Φ7.7	Φ0.6		
		PHM-04	Φ5.5	Φ0.5	密圈	
		PHM-06	Φ7.7	Φ0.6		

管夹规格

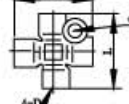
									
No.	代 号	固定方式	管径	管数	厚度	宽度	长度	螺丝孔	备注
1	PC-1104		Φ4	1	0.8	10	19	5.5	
2	PC-1204		Φ4	2	0.8	10	23		
3	PC-1304		Φ4	3	1.0	10	27		
4	PC-1404		Φ4	4	1.0	10	31		
5	PC-1106		Φ6	1	0.8	10	20		
6	PC-1206		Φ6	2	1.0	10	28		
7	PC-1306		Φ6	3	1.0	12	30		
8	PC-1108		Φ8	1	1.0	10	22		
9	PC-1208		Φ8	2	1.0	12	30		
10	PC-1110		Φ10	1	1.0	12	26		
11	PC-1210		Φ10	2	1.2	12	40		
12	PC-1112		Φ12	1	1.2	12	30		
13	PC-1115		Φ15	1	1.6	20	42	7	
14	PC-1122		Φ22	1	1.6	20	42		
15	PC-1128		Φ28	1	1.6	20	55		
16	PC-1133		Φ33	1	2.0	24		8.5	
17	PC-1144		Φ44	1	2.0	8		7	
18	PC-2404		Φ4	4	1.2	8		5.5	
19	PC-2504		Φ4	5	1.2	8			
20	PC-2604		Φ4	6	1.2	8			
21	PC-2406		Φ6	4	1.2	10			

润滑附件

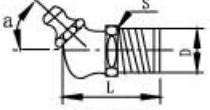
固定三通接头

		代号	D	d	L	S	备注
		3TD-8-8L	M8X1	Φ5.2	28	14	
		3TD-10-10L	M10X1	Φ6.5	30	20	

固定四通接头

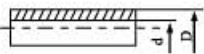
		代号	D	d	L	材料	备注
		4TD-8-8L	M8X1	Φ5.2	28	锌合金	
		4TD-10-10L	M10X1	Φ6.5	30	锌合金	

黄油嘴

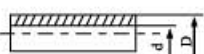
	 a=0°: 直黄油嘴 a=45°: 45° 弯黄油嘴 a=90°: 90° 弯黄油嘴	代号	D	a	L	S	备注
		HY-106	M6X1	0°	12	8	
		HY-108	M8X1		15	10	
		HY-110	M10X1		17	12	
		HY-114	R1/4		24	13.5	
		HY-118	R1/8		17	11	
		HY-206	M6X1	45°	16	8	
		HY-208	M8X1		21	10	
		HY-210	M10X1		21	12	
		HY-214	R1/4		26	13.5	
		HY-218	R1/8		21	12	
		HY-306	M6X1	90°	16	8	
		HY-308	M8X1		19	10	
		HY-310	M10X1		22	12	
		HY-318	R1/8		22	12	

油管

尼龙管

		代 号	D (外径)	d (内径)	备 注
		PA-4x2.5N	Φ4	Φ2.5	
		PA-4N	Φ4	Φ2	
		PA-6N	Φ6	Φ4	
		PA-8N	Φ8	Φ6	
		PA-10N	Φ10	Φ8	
		PA-12N	Φ12	Φ10	

塑料管

		代 号	D (外径)	d (内径)	备 注
		PE-4NA	Φ4	Φ2	
		PE-6NA	Φ6	Φ4	
		PE-8NA	Φ8	Φ6	
		PE-10NA	Φ10	Φ8	
		PE-12NA	Φ12	Φ9	

PU 管

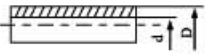
		代 号	D (外径)	d (内径)	备 注
		PU-4	Φ4	Φ2.5	
		PU-6	Φ6	Φ4	
		PU-8	Φ8	Φ4	
		PU-10	Φ10	Φ6	
		PU-12	Φ12	Φ8	

铝油管

		代 号	D (外径)	d (内径)	备 注
		PNL-4L	Φ4	Φ2	
		PNL-6L	Φ6	Φ4	
		PNL-8L	Φ8	Φ6	
		PNL-10L	Φ10	Φ8	
		PNL-12L	Φ12	Φ10	
		PNL-14L	Φ14	Φ14	

油管

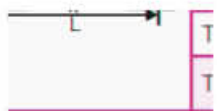
铜油管

		代 号	D (外径)	d (内径)	备 注
		PTR-4TR	Φ4	Φ2	
		PTR-6TR	Φ6	Φ4	
		PTR-8TR	Φ8	Φ6	
		PTR-10TR	Φ10	Φ8	
		PTR-12TR	Φ12	Φ10	

不锈钢波纹护套管

		规 格 型 号	配管外径d1 mm	使用压力 Mpa	最小弯曲 半径	D	d2	L mm	备 注
		OSB-4	Φ4	3.00	R20	M8X1	Φ6	要 求 按 制 定 户	
		OSB-6	Φ6	2.70	R40	M10X1	Φ8		

油管弹簧护套

		代 号	D	d	L(cm)	备 注
		THT-4	Φ5.5	Φ0.5	200	疏圈
		THT-6	Φ7.7	Φ0.6	200	疏圈
		THT-4	Φ5.5	Φ0.5	400	密圈
		THT-6	Φ7.7	Φ0.6	200	密圈
		THT-8	Φ9.7	Φ0.8	200	密圈

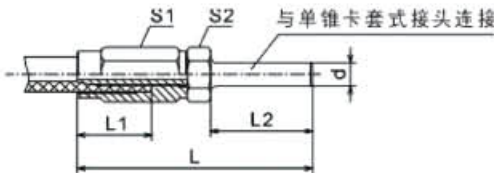
PST钢丝编织布护套软管

		代 号	配管外径 d	长度 L	备 注	代 号	配管外径 d	长度 L	备 注
		PST-4100	Φ4	100		EST-6100	Φ6	100	
		PST-4200		200		EST-6200		200	
		PST-4300		300		EST-6300		300	
		PST-4400		400		EST-6400		400	
		PST-4500		500		EST-6500		500	
		PST-4600		600		EST-6600		600	
		PST-4700		700		EST-6700		700	
		PST-4800		800		EST-6800		800	
		PST-4900		900		EST-6900		900	
		PST-41000		1000		EST-61000		1000	
		PST-42000	Φ6	2000		EST-62000		2000	
		PST-43000		3000		EST-63000		3000	

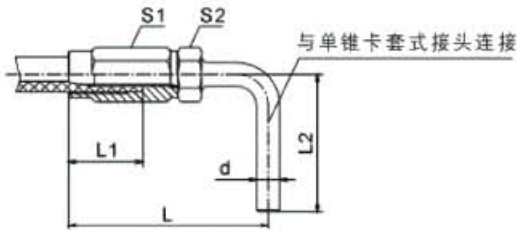
高压管接头



KA 型可拆式接头外形尺寸



KB 型可拆式接头外形尺寸



主要参数

型号 Model	外形尺寸 mm					配用复合 橡胶软管	
	d	L1	L2	L	S1		S2
KA-4	Φ4	19	20	53	12	12	SG-9
KA-6	Φ6	19	26	60	12	12	SG-9
KA-8	Φ8	19	26	60	12	12	SG-9
KA10	Φ10	19	30	63	14	12	SG-12

主要参数

型号 Model	外形尺寸 mm					配用复合 橡胶软管	
	d	L1	L2	L	S1		S2
KB-6	Φ6	19	35	51	12	12	SG-9
KB-8	Φ8	19	48	54	12	12	SG-9

GY 高压软管



高压树脂管及配套接头选型表

名称	型号	外径 (6mm)	内径 (3mm)	直涨芯	弯涨芯	图片示意
高压树脂管	6*3	6	3	无	无	例如： KA-4(6.8.10)表达的意思是： 4mm/6mm/8mm/10mm
	8.6*4.2	8.6	4.2	KA-6	KB-6	
				KA-8	KB-8	
	8.8*4.2	8.8	4.2	KA-4	无	
				KA-6	KB-6	
				KA-8	KB-8	
	11*6	11	6	KA-8	KB-8	
				KA-10	无	

油量计算

1.集中润滑装置的选择方法
系统的选择依照以下顺序进行

需油量的计算 → 供油方式的选择 → 计量件的选择 → 润滑泵的选择

●需油量的计算方法

使用场合	计算公式	例题 K=1时
滚动轴承 	(滚动轴承、滚柱轴承、滚针轴承) 油量 $Q(m1/h) = 0.04 \times \text{直径} \times \text{列数} \times K$	假设有一滚珠轴承, 轴承直径为80mm, 求每小时所需之油量。 $Q=0.04 \times 8 \times 1 = 0.32(c.c/hr)$
滑动轴承 	油量 $Q(m1/h) = 0.023 \times \text{转轴直径} \times \text{轴承长度} \times K$	假设有一平滑轴承, 垂直放置, 滑块 长100mm宽40mm, 求每小时所需之油量。 $Q=0.023 \times 8 \times 10 = 1.84(c.c/hr)$
平面导轨 	a. 油量 $Q(m1/h) = 0.0017 \times (\text{移动件长度} + \text{行程}) \times \text{宽度} \times K$ (水平方向) b. $Q(m1/h) = 0.006 \times (\text{移动件长度} + \text{行程}) \times \text{宽度} \times K$ (垂直方向)	假设有一滑动轴承, 轴直径为80mm, 接触长度为100mm, 求每小时所需之油量。 $Q=0.006 \times 10 \times 4 = 0.24(c.c/hr)$
圆柱导轨 	a. 油量 $Q(m1/h) = 0.023 \times \text{直径} \times (\text{移动件长度} + \text{行程}) \times K$ (水平方向) b. 油量 $Q(m1/h) = 0.07 \times \text{直径} \times (\text{移动件长度} + \text{行程}) \times K$ (垂直方向)	假设有一圆筒滚动体, 直径为80mm 长为100mm求每小时所需之油量。 $Q=0.023 \times 8 \times 10 = 1.84(c.c/hr)$
滚珠轴承轨道 	油量 $Q(m1/h) = 0.012 \times \text{移动件行程} \times \text{列数} \times K$	假设有一线性滑轨, 滑块长80mm滑块 数为2, 求每小时所需之油量。 $Q=0.012 \times 8 \times 2 = 0.19(c.c/hr)$
凸轮 	油量 $Q(m1/h) = 0.013 \times \text{接触圆周} \times \text{宽度} \times K$	假设有一凸轮机构, 凸轮圆周长为200mm 宽20mm, 求每小时所需之油量。 $Q=0.013 \times 20 \times 2 = 0.52(c.c/hr)$
齿轮 	油量 $Q(m1/h) = 0.046 \times \text{节圆直径} \times \text{齿数} \times K$	假设有一个链条总长300mm, 链宽8mm, 求每小时所需之油量。 $Q=0.046 \times 8 \times 2 = 0.74(c.c/hr)$
链条 	油量 $Q(m1/h) = 0.008 \times \text{长度} \times \text{长度} \times K$	假设有一正齿轮, 节圆直径为80mm 齿宽20mm, 求每小时所需之油量。 $Q=0.008 \times 30 \times 0.8 = 0.19(c.c/hr)$

式中长度、直径单位均为 cm, 系数K 为倍数, 与运动速度有关, 可查图。

2.部分机械使用润滑情况表

机械名称	润滑处所		油		备注
			ISO粘度等级	备注	
车床	主轴	高速 一般	10 22,32	特级锭子油R12 特级锭子油R12 特级循环机油R32	注一
	车床尾座		32,46,68	特级循环机油R32-R68	注一
	溜板		32,46,68	特级循环机油R32-R68	注一
	护床		32,46,68	特级循环机油R32-R68	注一
	进给变速装置		32,46,68	特级循环机油R32-R68	注一
	床、其它润滑部	高负荷 一般	150,220 68	滑道机油150,220-R68 滑道机油68	
	靠模装置用油压作动部		32,46,68	R32-R65, OR HD32-68	注三
	其它滑动部	润滑油 滑脂	32,46,68	R32, R46, R68 多效油脂NO.1, NO.2	
铣床	上臂、柱、膝型齿轮箱、心轴架		32,46,68	R32-R65, OR HD32-68	注二
	床、其它润滑部	高负荷 一般	150,220 68	滑道机油150,220-R68 滑道机油68	
	其它润滑部	润滑油 滑脂	32,46,68	R32, R46, R68 多效油脂NO.1, NO.2	
磨床	平承轴	高速一般	2,3,5,7,1 32	R12 R32	注一
	进给变速装置		32,46,68	R32, R46, R68	注一
	床、其它润滑部	高负荷 一般	150,220 68	滑道机油150, 220 68	
	油压作动部		32,46,68	R32-R65, OR AW32-68	注三
	其它润滑部	润滑油 滑脂	32,46,68	R32, R46, R68 多效油脂NO.1, NO.2	
钻床	车头		32	R12	
	齿轮箱		32,46,68	R32-R65, OR HD32-68	注二
	臂、柱、滑动面	高负荷 一般	150,220 68	滑道150, 220 滑道68	
	其它润滑部	润滑油 滑脂	32,46,68	R32, R46, R68 多效油脂NO.1, NO.2	
镗床	车头		32	R32	
	车头滑动面		68	滑道68	
	齿轮箱		32,46,68	R32-R65, OR HD32-68	注二
	床、其它滑动部		68,150,220	滑道68, 150, 220	
	其它润滑部	润滑油 滑脂	32,46,68	R32, R46, R68 多效油脂NO.1, NO.2	
刨床	柱、十字头、侧头齿轮箱		32,46,68	R32-R65, OR AW32-68	注二
	柱、头、平交轨滑动面		68,150,220	滑道68, 150, 220	
	油压作动部		32	R32	注三
	其它润滑部	润滑油 滑脂	32,46,68	R32, R46, R68 多效油脂NO.1, NO.2	
滚齿机	车头滑动部	油压作动部	32	R32	注二
	膝、柱齿轮箱		32,46,68	R32-R65, OR HD32-68	
	膝、柱滑动箱		68,150,220	滑道油机68, 150, 220	
	其它润滑部	润滑油 滑脂	32,46,68	R32, R46, R68 多效油脂NO.1, NO.2	
	车头		32	R32	
复合工作机械	车头、座、柱齿轮箱		68	R68, OR HD-68	注二
	油压和动部		32,46,68	R32-R65, OR AW32-68	注二
	端架、其它润滑部		68,150,220	滑道油机68, 150, 220	
	其它润滑部	润滑油 滑脂	32,46,68	R32, R46, R68 多效油脂NO.1, NO.2	

常见故障及排除方法

电动润滑油泵常见故障及排除方法

序号 Serial number	现象 The phenomenon of	原因 Why	排除方法 Elimination method
1	电机不转 Motor does not turn	使用电压不对 Wrong voltage	使用正确电压电源 Use the correct voltage power supply
		接线错误 Wrong Wiring	按正确的电气接线图接线 Connect according to the correct electrical wiring diagram
		吸入微细沙粒困死齿轮 Suck in tiny grains of sand and trap the gear	拆除底部齿轮泵清洗（此项必须由专业人士操作） Remove bottom gear pump cleaning (this must be operated by a professional)
2	压力不足 Insufficient pressure.	压力表已损坏 The pressure gauge is damaged	更换压力表 Replace the pressure gauge
		主管管泄漏 Main line leakage	检查注油管，排除泄漏现象 Check the oil injection pipe to eliminate leakage
		油泵加压时有支油管严重出油 When the oil pump is pressurized, the oil comes out seriously	检查更新出油支管的分配器内换向阀 Check and update the reversing valve in the distributor of the oil outlet branch
		油泵溢流阀密封不好 The oil pump overflow valve does not seal well	拆下清洗 Remove and clean
		吸油口处堵塞 The oil suction is blockage	清洗油箱，吸油口处滤网 Clean the fuel tank and filter at the suction port
3	不出油 don't give oil.	泵内空气未排清 The air in the pump is not cleared	多几次泵油，必要时松开油口再泵油 Pump the oil a few more times, loosen the port and pump the oil if necessary
		电机不转 Motor does not turn	见序号1项 See item 1 of serial number
4	出油量少 the oil quantity is little	吸油口处堵塞 The oil suction port is blocked	清洗吸油口处滤网 Clean the filter at the suction port
		溢流阀密封不好 The overflow valve is not well sealed	取下溢流阀清洗 Remove relief valve cleaning
5	压力开关失灵 Pressure switch malfunction	系统压力不足 Undersystem pressure	检查管路系统压力必须大于1.0MPa Check pipeline system pressure must be greater than 1.0MPa
		接线错误 Wrong wiring	按电气接线图正确接线 Correct wiring according to electrical wiring diagram
6	液位开关失灵 the levelswitch failed	浮球与油箱相碰 The float hit the oil tank.	设法将液位开关位置纠正 Try to correct the position of the liquid level switch
7	油泵电机不停 Oil pump motor	系统PLC控制电源线通电时间过长或电源线没有经过系统PLC控制 System plc control power supply the is too long or the power cord is not passed system plc control	正确设置 Correct setup
		数码管电脑给油时间设置太长 Digital tube computer set too long to oil	正确设置 Correct setup

工业用润滑油制品一览表 List of lubricating oil products for industrial use

名称 Name	用途 Use	形式 Form	IOS规格 IOS specification	粘度 Viscosity	中国石油 PetroChina	Mobil	Esso	Shell
齿轮润滑油	中荷重密闭齿轮	R&O型	VG-32	32	特级循环机油R32	DTE Light	Teresso 32	Turbo T32
			VG-68	68	特级循环机油R68	DTE Heavy medium	Teresso 68	Turbo T68
			VG-150	150	特级机油HD150	DTE Extra Heavy	Teresso 150	Corena H150
	中荷重密闭齿轮 蜗齿轮	极压型	VG-150	150	特级机油HD150	Mobilgaed 629	Spartan EP:150	Corena 150
			VG-320	320	特级机油HD320	Mobilgaed 632	Spartan EP:320	Cmaia 320
			VG-460	460	特级机油HD460	Mobilgaed 64	Spartan EP:460	Cmaia 460
轴承润滑油	主轴、轴承	R&O型	VG-2	2		Velocite 3		
			VG-10	12	特级循环机油R12	Velocite 6	Spinesso 10	Vexilla D10
			VG-22	22	特级循环机油R22	Velocite 22	Spinesso 22	Vexilla D22
滑道面 润滑面	滑道面	低摩擦油	VG-68	68	润滑机油滑道68	Vectra NO.2	Febis K68	Tonna T68
			VG-220	220	润滑机油滑道220	Vectra NO.4	Febis K220	Tonna T220
油压作动油	油压装置	R&O型	VG-32	32	特级循环机油R32	DTE Light	Teresso 32	Turbo T32
			VG-68	68	特级循环机油R68	DTE HeaW medium	Teresso 68	Turbo T68
		耐磨装置	VG-32	32	液压油32AW	DTE24	Teresso EP:68	Tellux C32
			VG-68	68	液压油68AW	DTE25	Teresso EP:68	Tellux C68
润滑油脂	轴承	多效型		MLGINO.1	多效油脂NO.1	Mobilux1	Estan NO.1	AlvaniaNO.1
				MLGINO.1	多效油脂NO.2	Mobilux2	Estan NO.2	AlvaniaNO.2