

集中(中央)供油系统

系统简述

润滑油集中放置在油料库里，经耐压流体专用管道，输送至多个加油工位，连接形成一个完整的供油系统，实现汽车快速换油和各行业的润滑油集中输送加注，并可通过控制器实现控制和统计。极大的方便用户，节省空间，提高工效，清洁环境。

应用行业

汽车维修车间，快修换油门店，工程机械保养，制造工业车间等。

输送介质

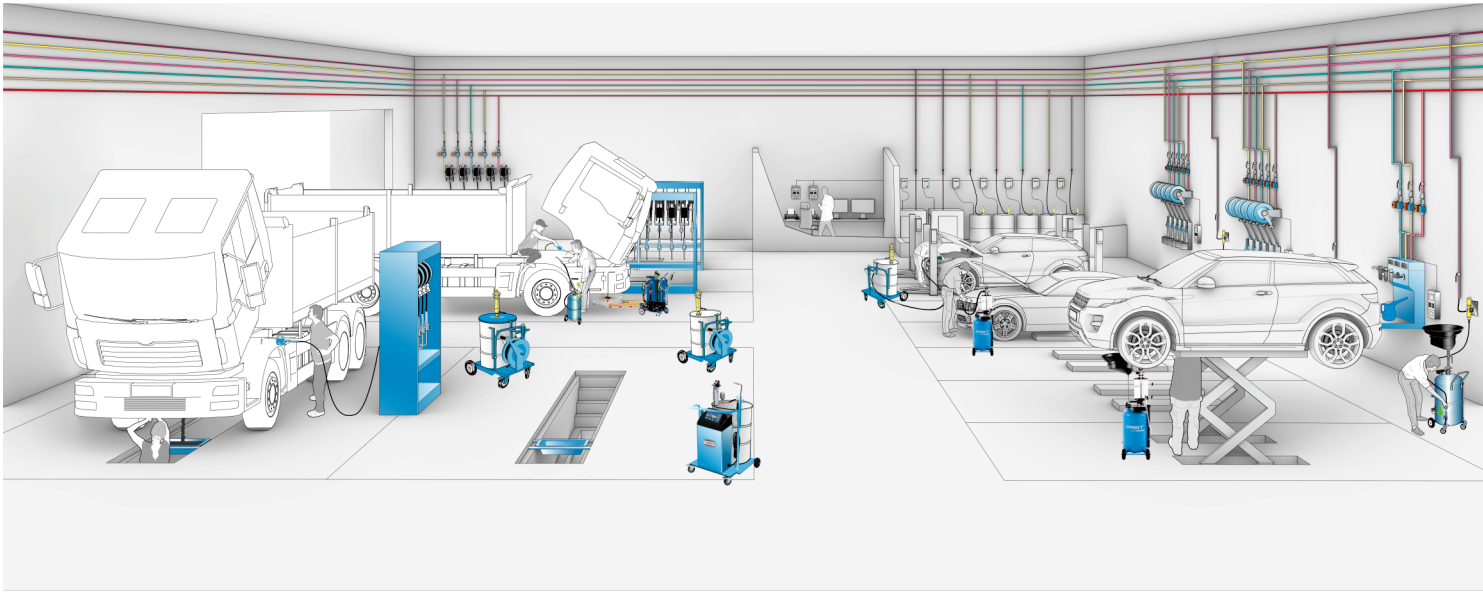
发动机油、齿轮油、液压油、冷却液、黄油等。

系统组成及功能

- 油料库装置
吸油泵总成装置在标准油桶或油箱上，将油料泵入管道中。
- 供油管路
由专用流体管道及各种管件、支架等构成，确保过油的耐压、安全、无渗漏。
- 注油工位
由卷管盘、注油枪、挂枪盒组成，每个加注工位可满足2个以上维修工位使用。
- 控制系统
由控制器、控制三联件、信号线构成，可控制、统计、管理、加注油操作。

系统设计基本信息

- 储油箱所在的位置及注油工位的距离、室温工况等；
- 油料的化学性能（粘度、燃点、腐蚀性等），从而确定所选用输油泵的材质及技术指标；
- 输油量的大小，决定选用的储油箱、管道的大小及油泵的流量大小。
- 需要采用的控制、管理方式。



CENTRALIZED (CENTRAL) OIL DISTRIBUTION SYSTEM

System Overview

The lubricating oil is centrally placed in the oil storage, and transported to multiple refueling stations through special pressure-resistant fluid pipelines, and is connected to form a complete oil supply system, which realizes rapid oil change for automobiles and centralized transportation and refilling of lubricating oil in various industries. Control and statistics are realized through the controller. It is very convenient for users, saves space, improves work efficiency

Applicable Industry

AUTO maintenance workshop, Oil-changing repair shop, Machinery maintenance, Manufacturing workshop and so on.

Suitable fluid

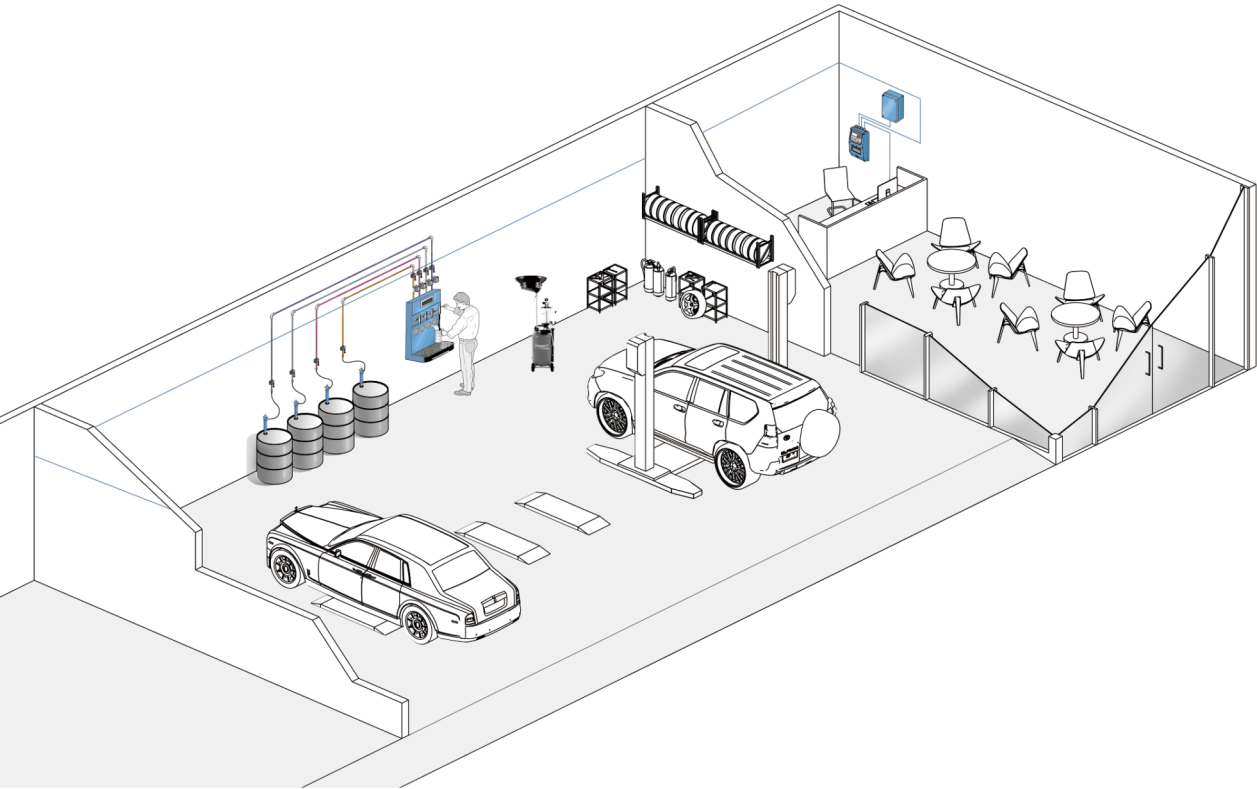
Engine oil, Gear oil, Lubricating oil, Antifreeze liquid, Greases etc.

System composition and function

- 1- Oil storage device
The oil suction pump assembly is installed on the standard oil barrel or oil tank, and pumps the oil into the pipeline.
- 2- oil supply line
It is composed of special fluid pipelines, various pipe fittings, brackets, etc., to ensure pressure resistance, safety and no leakage of oil.
- 3- Oil station
is composed of a reel, oil gun, and oil gun bracket. Each filling station can be used by more than 2 maintenance stations..
- 4- Control System
consists of controller, filter, lubricating valve, solenoid valve and signal line, it can control, count,

System Design overview

- 1- The location of the oil storage tank, the distance of the oil filling station, the room temperature conditions, etc.;
- 2- The chemical properties of the oil (viscosity, ignition point, corrosion, etc.), so as to determine the material and technical indicators of the selected oil pump.
- 3- The size of the oil delivery determines the size of the selected oil storage tank, the size of the pipeline and the flow rate of the oil pump.
- 4- The control and management methods that need to be adopted.



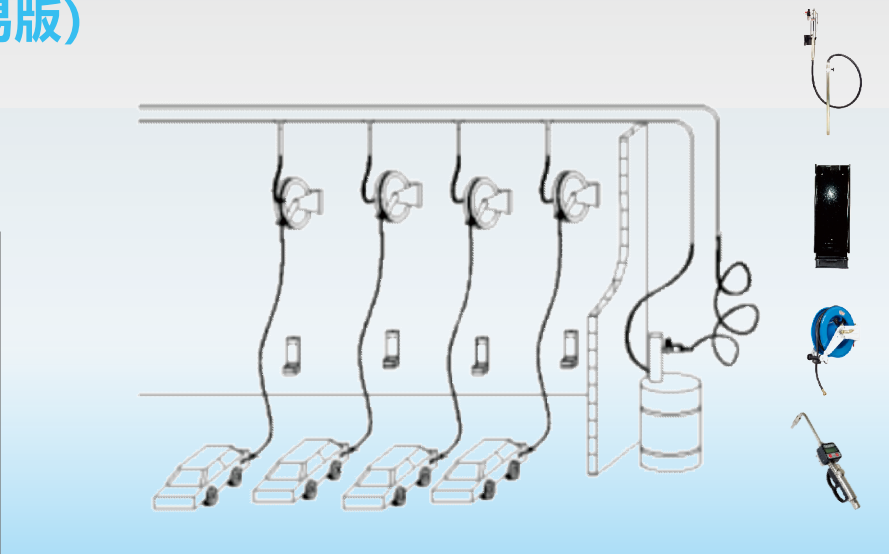
集中供油系统（简易版）

OIL DISTRIBUTION SYSTEM

不设置控制器，经济简易的集中供油系统。
Centralized oil distribution system (simple version).

配置表
The configuration table

型号 Model	96120	96130	96140
输油泵套件 Air-operated pump kit	37685	37685	37685
自动卷管器 Automatic hose reel	82610/2台 Sets	82610/3台 Sets	82610/4台 Sets
数显注油枪 Digital oil gun	37716/2把 Sets	37716/3把 Sets	37716/4把 Sets
挂枪架 Oil gun bracket	38630/2套 Sets	38630/3套 Sets	38630/4套 Sets
管道总成 Pipeline assembly	58000/20m	58000/30m	58000/40m



集中供油系统（网联枪版）

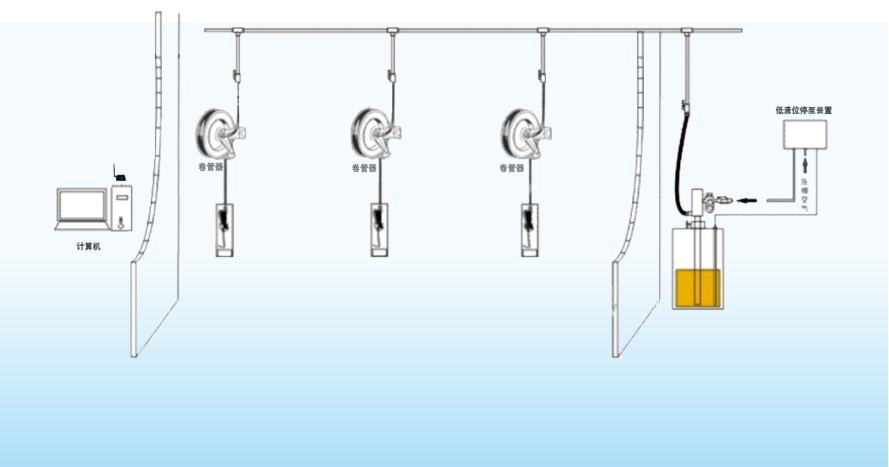
CENTRALIZED OIL DISTRIBUTION SYSTEM (NETWORK VERSION)

通过手机电脑控制，ZIGBEE数据传输的智能网联分布式控制集中供油系统。

Intelligent network controlled by mobile phone and computer, ZIGBEE data transmission connected with distributed control centralized oil supply system.

配置表
The configuration table

型号 Model	98120	98130	98140
输油泵套件 Air-operated pump kit	37685	37685	37685
自动卷管器 Automatic hose reel	82610/2台 Sets	82610/3台 Sets	82610/4台 Sets
注油枪 Oil gun	37737/2把 Sets	37737/3把 Sets	37737/4把 Sets
挂枪架 Oil gun bracket	38630/2套 Sets	38630/3套 Sets	38630/4套 Sets
管道总成 Pipeline assembly	58000/20m	58000/30m	58000/40m



集中供油系统（分布式控制）

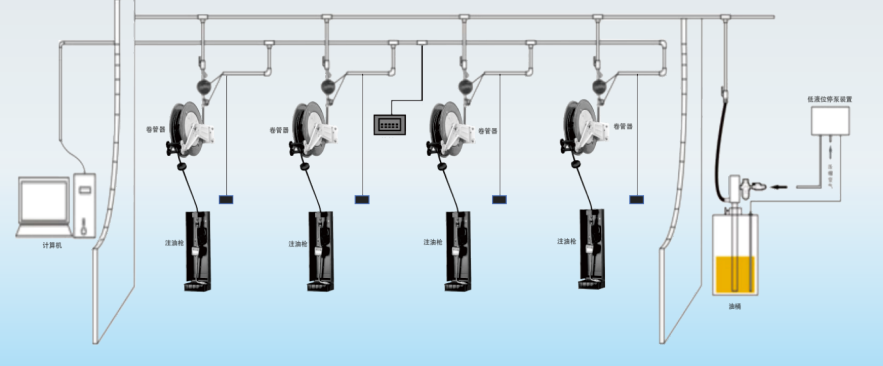
CENTRALIZED OIL SUPPLY SYSTEM (DISTRIBUTED CONTROL)

每个加注工位都装有显示输入键盘，工人自助领油的集中供油系统。

Each filling station is equipped with a display input keyboard, a centralized oil supply system for workers to refuel by themselves.

配置表
The configuration table

型号 Model	99120	99130	99140
输油泵套件 Air-operated pump kit	37685	37685	37685
自动卷管器 Automatic hose reel	82610/2台 Sets	82610/3台 Sets	82610/4台 Sets
注油枪 Oil gun	38325/2把 Sets	38325/3把 Sets	38325/4把 Sets
挂枪架 Oil gun bracket	38630/2套 Sets	38630/3套 Sets	38630/4套 Sets
管道总成 Pipeline assembly	58000/20m	58000/30m	58000/40m
信号线总成 Signal-wire assembly	58500/40m	58500/60m	58500/80m
系统控制器 System controller	53212	53213	53214
控制三联件 Control FRL parts	50550/2 套 Sets	50550/3 套 Sets	50550/4 套 Sets



集中供油系统（分布式控制）

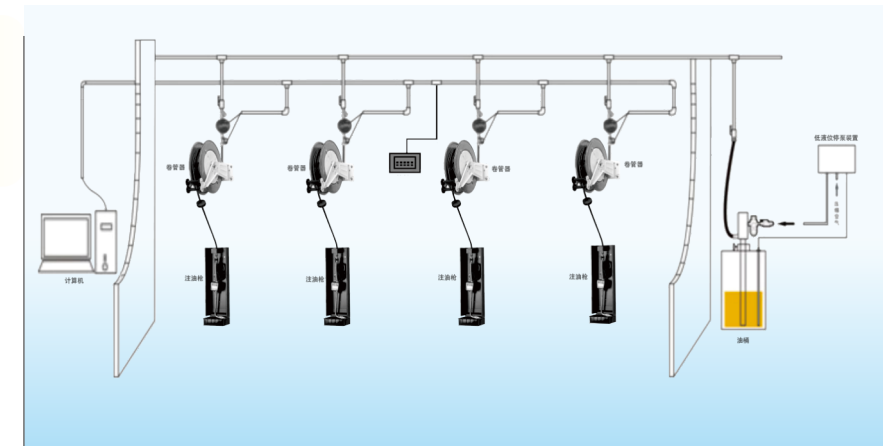
CENTRALIZED OIL SUPPLY SYSTEM (DISTRIBUTED CONTROL)

电脑管理软件管理，多个分布式控制器控制的集中供油系统。

Centralized oil supply system managed by computer management software and controlled by multiple distributed controllers.

配置表
The configuration table

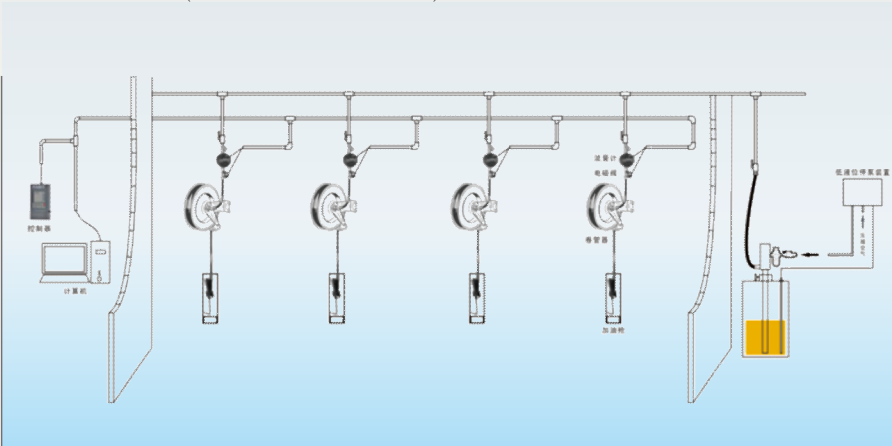
型号 Model	99220	99230	99240
输油泵套件 Air-operated pump kit	37685	37685	37685
自动卷管器 Automatic hose reel	82610/2台 Sets	82610/3台 Sets	82610/4台 Sets
注油枪 Oil gun	38325/2把 Sets	38325/3把 Sets	38325/4把 Sets
挂枪架 Oil gun bracket	38630/2套 Sets	38630/3套 Sets	38630/4套 Sets
管道总成 Pipe assembly	58000/20m	58000/30m	58000/40m
信号线总成 Signal-wire assembly	58000/40m	58000/60m	58000/80m
分布式控制器 Distributed controller	53202	53203	53204
控制三联件 Control FRL parts	50550/2 套 Sets	50550/3 套 Sets	50550/4 套 Sets



集中供油系统(中央控制)

CENTRALIZED OIL DISTRIBUTION SYSTEM (CENTRAL CONTROL)

设置一个中央控制器(油料库或车间) 的集中供油系统。
This centralized oil supply system is designed to manage the distribution process by a remote controller device (at the workshop/oil depot).



配置表
The configuration table

型号 Model	99420	99430	99440
输油泵套件 Air-operated pump kit	37685	37685	37685
自动卷管器 Automatic hose reel	82610/2 台 Sets	82610/3 台 Sets	82610/4 台 Sets
注油枪 Oil gun	38325/2 把 Sets	38325/3 把 Sets	38325/4 把 Sets
挂枪架 Oil gun bracket	38630/2 套 Sets	38630/3 套 Sets	38630/4 套 Sets
管道总成 Pipeline assembly	58000/20m	58000/30m	58000/40m
信号线总成 Signal-line assembly	58500/50m	58500/75m	58500/100m
系统控制器 Controller device	53102	53103	53104
控制三联件 Control FRL parts	50550/2套 Sets	50550/3套 Sets	50550/4套 Sets

供油系统选配件

OIL SUPPLY SYSTEM OPTIONAL COMPONENTS

根据用途、场地等条件，可自主选择装配的集中供油系统组件件。

According to the application, installation site and other conditions, you can choose optional centralized oil supply system components.



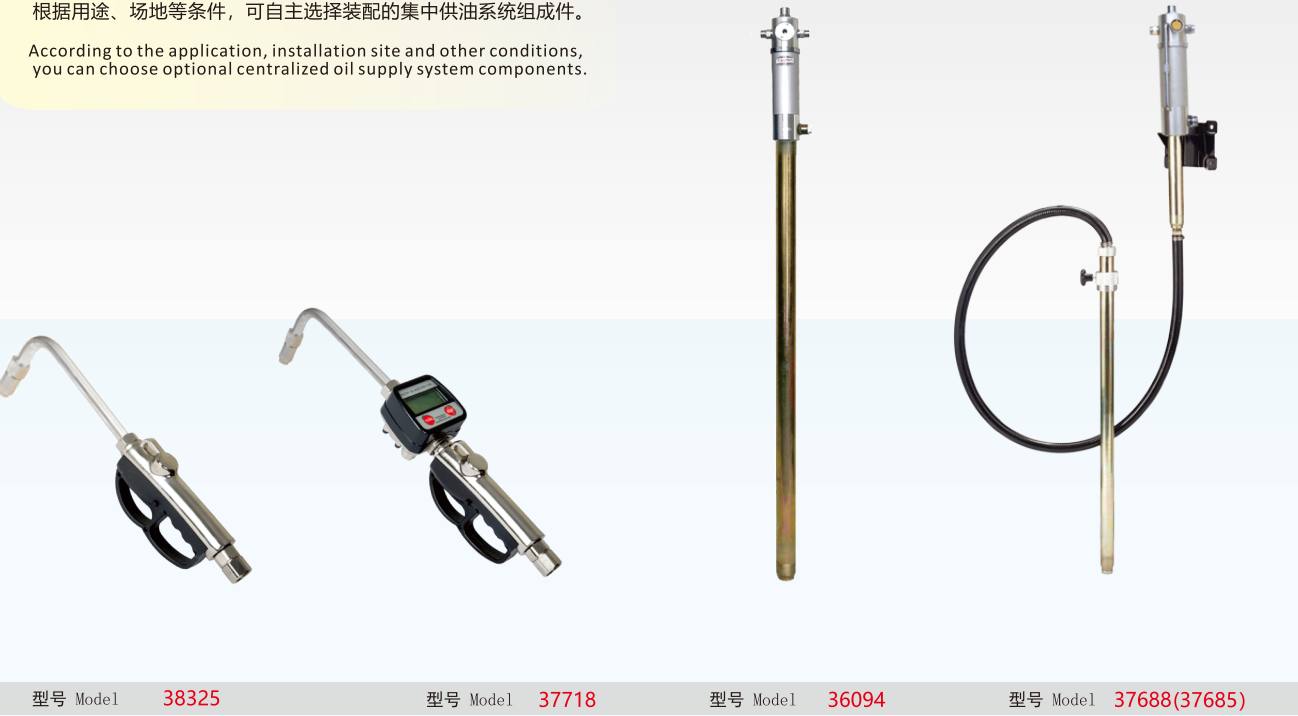
型号 Model 50610 型号 Model 50600 型号 Model 83010、83015 型号 Model 82015

供油系统选配件

OIL SUPPLY SYSTEM OPTIONAL COMPONENTS

根据用途、场地等条件，可自主选择装配的集中供油系统组件件。

According to the application, installation site and other conditions, you can choose optional centralized oil supply system components.



型号 Model 38325 型号 Model 37718 型号 Model 36094 型号 Model 37688(37685)



型号 Model 50109 型号 Model 50102 型号 Model 50103



型号 Model 50505 型号 Model 50101 型号 Model 97100 一吨油桶

智能网联加注机（气动）

INTELLIGENT NETWORK FUELING MACHINE（PNEUMATIC）

远程智能操控，精准加油的移动式注油机。
Intelligent remote mobile fueling machine, precise fueling.



型号 Model	59100	59200
油泵比率 Pump ratio	5: 1	5: 1
进气嘴接头 Air inlet connection	1/4"	1/4"
出油口接头 Fluid outlet connection	1/2"	1/2"
工作压力 Air working pressure	5-8bar	5-8bar
最大压力 Maximum pressure	8bar	8bar
耗气量 Average air consumption	320L/min	320L/min
输送速度 Flow rate	18L/min	18L/min
油温 Fluid temperature	- 10-60℃	- 10-60℃
油品粘度 Max deliverable oil viscosity	240SAE	240SAE
吸油管长 Length of pumping tube	940mm	940mm
吸油管径 Diameter of pumping tube	42mm	42mm
计量精度 Measuring precision	±0.3%	±0.3%
注油枪咀型式 Type of oil gun nozzle	自动开闭型 Automatic drip-catcher nozzle	自动开闭型 Automatic drip-catcher nozzle
推车底座尺寸 Trolley base sizes	690*600mm	690*600mm
工作电压 Working Voltage	220V50Hz	220V50Hz
无线工作距离 Remote working distance	1000m	1000m
软管长度 Length of filling hose	4m	4m
联网功能 Network function	单机版 Console device	联网版 Available
包装形式 Package type	木箱+纸箱 Plywood case+Carton	木箱+纸箱 Plywood case+Carton
包装尺寸1 Packing size_1	860*820*1000mm	860*820*1000mm
包装尺寸2 Packing size_2	870*700*115mm	870*700*115mm
包装尺寸3 Packing size_3	1325*300*155mm	1325*300*155mm
重量 Gross weight	40kg	40kg

智能网联加注机（电动）

INTELLIGENT NETWORK OIL FILLING MACHINE（ELECTRIC）

配备8寸灵敏触控大屏，支持手机和电脑远程智能操控加油枪，实现精准加油的移动式电动注油机。
Equipped with an 8-inch sensitive touch screen, supports mobile phones and computers intelligently to remote control the refueling gun to achieve precise refueling.



型号 Model	59200EW-6	59200EW-12	59200EW-18
工作电压 Working Voltage	220V50Hz	220V50Hz	220V50Hz
电机功率 The motor power	190W	370W	550W
出油口接头 Fluid outlet connection	1/2"	1/2"	1/2"
输送速度 Flow rate	6L/min	12L/min	18L/min
油温 Fluid temperature	-10-60℃	-10-60℃	- 10-60℃
油品粘度 Max deliverable oil viscosity	90SAE	90SAE	90SAE
吸油管长 Length of pumping tube	90mm	90mm	90mm
吸油管径 Diameter of pumping tube	30mm	30mm	30mm
计量精度 Measuring precision	±0.5%	±0.5%	±0.5%
注油枪咀型式 Type of oil gun nozzle	自动打开型 Automatic drip-catcher nozzle	自动打开型 Automatic drip-catcher nozzle	自动打开型 Automatic drip-catcher nozzle
软管长度 Length of filling hose	4m	4m	4m
通讯方式 Mode of communication	WIFI 4G	WIFI 4G	WIFI 4G
联网功能 Network function	联网版 network version	联网版 network version	联网版 network version
管理系统 System management	FABIT SAAS SYSTEM	FABIT SAAS SYSTEM	FABIT SAAS SYSTEM
包装形式 Package type	纸箱 Carton	纸箱 Carton	纸箱 Carton
包装尺寸1 Packing size_1	430*310*940mm	430*310*940mm	430*310*940mm
包装尺寸2 Packing size_2	950*710*250mm	950*710*250mm	950*710*250mm
重量 Gross weight	40kg	40kg	40kg

智能网联加注机（气动）

REMOTE-CONTROL REFUELING CABINET

配备8寸灵敏触控大屏，支持手机和电脑远程智能操控加油枪，实现精准加油的移动式气动注油机。

Equipped with 8 inch sensitive touch screen, support mobile phone and computer remote intelligent control of the refueling gun, to achieve accurate refueling mobile pneumatic oiler.



型号 Model	59200AW-14	59200AW-18
油泵比率 Pump ratio	3: 1	5: 1
进气嘴接头 Air inlet connection	1/4"	1/4"
出油口接头 Fluid outlet connection	1/2"	1/2"
工作压力 Air working pressure	5-8bar	5-8bar
最大压力 Maximum pressure	8bar	8bar
耗气量 Average air consumption	300L/min	300L/min
输送速度 Flow rate	14L/min	18L/min
油温 Fluid temperature	- 10-60℃	- 10-60℃
油品粘度 Max deliverable oil viscosity	130SAE	240SAE
吸油管长 Length of pumping tube	940mm	940mm
吸油管径 Diameter of pumping tube	42mm	42mm
计量精度 Measuring precision	±0.3%	±0.3%
注油枪咀型式 Type of oil gun nozzle	自动打开型 Automatic drip-catcher nozzle	自动打开型 Automatic drip-catcher nozzle
推车底座尺寸 Trolley base sizes	690*600mm	690*600mm
工作电压 Working Voltage	220V50Hz	220V50Hz
无线工作距离 Remote working distance	1000m	1000m
软管长度 Length of filling hose	4m	4m
联网功能 Network function	联网版 Available	联网版 Available
管理系统 System management	法比特SAAS系统	法比特SAAS系统
通讯方式 Mode of communication	WIFI/4G	WIFI/4G
包装形式 Package type	木箱+纸箱 Plywood case+Carton	木箱+纸箱 Plywood case+Carton
包装尺寸1 Packing size_1	860*820*1000mm	860*820*1000mm
包装尺寸2 Packing size_2	870*700*115mm	870*700*115mm
包装尺寸3 Packing size_3	1325*300*155mm	1325*300*155mm
重量 Gross weight	40kg	40kg

集成式加注系统

CENTRALIZED DISPENSING STATION

可放置在车间或门店的小型集中供油系统，可随意组合油品及功能。

A small centralized oil distribution system that can be placed in workshops or stores Combination of oil products and functions at will.



配置表
The configuration table

型号 Model	59500	59600
自动卷管器 Automatic pipe reel	82010/2台	82010/3台
注油枪 Oil gun	38125/2把	38125/3把
输油泵套件 Air-operated pump kit	37688/2套	37688/3套
系统控制器 Controller device	53102/1台	53104/1台
控制三联件 Control FRL parts	50500/2套	50500/3套
管道总成 Pipeline assembly	58000	58000
信号线总成 Signal-line assembly	58500	58500
门架尺寸 Platform rack dimensions	1200*750*2400mm	1450*750*2400mm

工业自控加注机

INDUSTRIAL AUTOMATIC FUELING MACHINE

适合复杂工况，可持续不断地工作，带有自动控制系统的工业加注机。

Suitable for complex working conditions, continuous work, industrial fueling machine with automatic control system.



型号 Model	59800
工业控制器 Controller device	54103/ 台 Sets
控制三联件 Control FRL parts	50550/3 套 Sets
注油枪 Oil gun	38125/3 把 Sets
自动卷管器 Automatic hose reel	82060/3 台 Sets
条码枪 Barcode scanner	1把 Set
连接油管 Connecting hose	91102
外控箱尺寸 Cabinet shell size	670×650×1360mm
管理软件 Management software	1套 set

系统控制器

SYSTEM CONTROLLER

可对供油系统或单机进行设定、控制、管理的仪器。

It can set, control and manage the oil supply system or single machine instrument.

技术参数
Technical parameters



型号 Model	53101	53102	53104
通讯输出接口 Controller output interface	RS-232串口 Serial ports RS-485 MODBUS 两组 2 sets	RS-232串口 Serial ports RS-485 MODBUS 两组 2 sets	RS-232串口 Serial ports RS-485 MODBUS 两组 2 sets
工作电源 Working power	AC220/50Hz	AC220/50Hz	AC220/50Hz
控制加油终端数 Applied refueling terminals	1 个 One	2 个 Two	4 个 Four
显示 Display interface	128X64点阵液晶屏 LED screen size	128X64点阵液晶屏 LED screen size	128X64点阵液晶屏 LED screen size
计量精度 Instrument precision	< 0.2%	< 0.2%	< 0.2%
工作环境温度 Workplace temperature	-10℃ -60℃	-10℃ -60℃	-10℃ -60℃
工作环境湿度 Workplace relative humidity	≤ 85%	≤ 85%	≤ 85%
扩展功能 Scalable functions	可外接 IC 卡、扫描器 External IC card, scanner	可外接 IC 卡、扫描器 External IC card, scanner	可外接 IC 卡、扫描器 External IC card, scanner
外形尺寸 Shell sizes	400*230*100mm	400*230*100mm	400*230*100mm
产品重量 Gross weight	3kg	3kg	3.6kg

系统控制器

SYSTEM CONTROLLER

使用15.6寸超大触摸屏，可对供油系统或单机进行设定、控制、管理的仪器。

Use the 15.6-inch super large touch screen to set, control and manage the oil supply system or stand-alone equipment.

技术参数
Technical parameters



型号 Model	53112	53124
通讯输出接口 Controller output interface	RS-485 MODBUS	RS-485 MODBUS
工作电源 Working power	AC220/50Hz	AC220/50Hz
控制加油终端数 Applied refueling terminals	12个 FOUR	24个 EIGHT
同时操作加油终端数 Available refueling terminals	12个 FOUR	24个 EIGHT
显示 Display interface	15.6"液晶屏 15.6" LED screen	15.6"液晶屏 15.6" LED screen
计量精度 Instrument precision	<0.2%	<0.2%
工作环境温度 Workplace temperature	-10-60℃	-10-60℃
工作环境湿度 Workplace relative humidity	≤85%	≤85%
扩展功能 Scalable functions	可外接打印机 External IC card, scanner	可外接打印机 External IC card, scanner
外形尺寸 Shell sizes	480*130*340mm	480*130*340mm
产品重量 Gross weight	3kg	3kg

分布式控制器

DISTRIBUTED CONTROLLER

可对供油系统进行控制、管理并显示工位信息和实时加注量的仪器。

An instrument that can control, manage and display station information and real-time filling of the fuel supply system.

技术参数
Technical parameters



型号 Model	53211	53212	53214
通讯输出接口 Controller output interface	RS485MODBUS	RS485MODBUS	RS485MODBUS
工作电源 Working power	AC220/50Hz	AC220/50Hz	AC220/50Hz
控制加油终端数 Applied refueling terminals	1 个 One	2 个 Two	4 个 Four
显示 Display interface	8*32点阵屏	8*32点阵屏	8*32点阵屏
计量精度 Instrument precision	< 0.2%	< 0.2%	< 0.2%
工作环境温度 Workplace temperature	-10℃ -60℃	-10℃ -60℃	-10℃ -60℃
工作环境湿度 Workplace relative humidity	≤ 85%	≤ 85%	≤ 85%
外形尺寸 Shell sizes	163*102*50mm	163*102*50mm	163*102*50mm
产品重量 Gross weight	0.33kg	0.33kg	0.33kg

分布式控制器

STATION CONTROLLER ACCESSORIES(STATION DISPLAY SCREEN)

可对供油系统进行控制、管理的仪器。

An instrument that can control and manage the oil supply system.

技术参数
Technical parameters



型号 Model	53201	53202	53204
通讯输出接口 Controller output interface	RS485MODBUS	RS485MODBUS	RS485MODBUS
工作电源 Working power	AC220/50Hz	AC220/50Hz	AC220/50Hz
控制加油终端数 Applied refueling terminals	1 个 One	2 个 Two	4 个 Four
计量精度 Instrument precision	< 0.2%	< 0.2%	< 0.2%
工作环境温度 Workplace temperature	-10℃ -60℃	-10℃ -60℃	-10℃ -60℃
工作环境湿度 Workplace relative humidity	≤ 85%	≤ 85%	≤ 85%
外形尺寸 Shell sizes	265*185*100mm	265*185*100mm	265*185*100mm
产品重量 Gross weight	0.9kg	0.9kg	0.9kg

工业流体控制器

INDUSTRIAL FLUID CONTROLLER

使用触摸屏的工业控制器。
This instrument equipped with touch screen operating system .



液位监控器

LIQUID LEVEL MONITOR

可对油桶（箱）内的液位进行监控、停机、报警的装置。
The device has the functions of monitoring, alarming and stopping the pumping liquids in the oil tank/ depot.

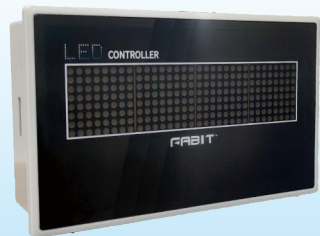


型号 Model	54103	型号 Model	50505
工作电源 Working power	AC220/50Hz	输入电压 Input voltage	220v
控制加注终端数 Applied refueling terminals	3个 Three	输出电压 Output voltage	12v
显示 Display interface	十寸触摸式液晶屏 10" LCD touch screen	报警油位 Alarm pumping level	30L
通讯输出接口 Controller output interface	232串口 Serial ports RS485	停泵油位 Halt pumping level	5-6L
扩展功能 Scalable functions	可外接IC卡、扫描器、工业机器人 External IC card, scanner, industrial robot		

工位显示屏
(分布式控制器附件)

STATION DISPLAY
(DISTRIBUTED CONTROLLER ATTACHMENT)

显示工位编号和实时加注进度。
Display station number and real-time filling progress.



型号: 50610

工位显示屏
(系统控制器附件)

STATION DISPLAY
(SYSTEM CONTROLLER ATTACHMENT)

显示工位编号和实时加注进度。
Display station number and real-time filling progress.



型号: 50600

控制三联件

CONTROL FRL PARTS

由过滤器、计量器、电磁阀组成的开关控制阀。
The control valve is consists of Filter,Regulating valve and Lubricating gauges.



型号 Model	50500
电磁阀电压 Valve voltage	24v
计量精度 Instrument precision	0.3%
过滤精度 Filtration accuracy	80um

信号传输模块连接器

SIGNAL TRANSMISSION MODULE CONNECTOR

可将控制器信息与电脑连接共享的装置。
A device that can share control information with computer.



9针/USB

型号 Model 50102

型号 Model 50103

系统打印机

SYSTEM PRINTER

可将控制器的信息打印出来的装置。
A device that can print out controller information.



型号 Model 50101

信号线总成

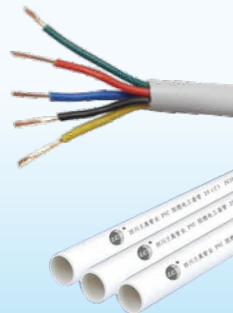
SIGNAL-LINE ASSEMBLY

适用于流体控制系统的信号线及线管。
The signal-line with sleeve is specifically applied in the fluid control system.

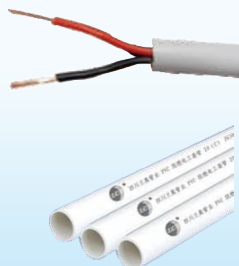
总成型号 Model 58500



型号 Model 58501 0.75mm², 5芯铜芯软线



型号 Model 58503 线套 Sleeve



型号 Model 58503 线套 Sleeve

1/2"管道总成

1/2" PIPELINE ASSEMBLY

主管道为1/2" 的专用流体管及管件。
The main pipeline is equipped with 1/2" special fluid pipe and pipe fittings.



三通
T-joint

外丝直通
Screwed joint

直通
Connector

弯通
Elbow connector

总成型号 Model 58000



高压球阀
High-pressure adjusting valve

过滤器
Filter

支架
Rack

管道
Pipeline

型号 Model	58204	58203	58202	58201	58106	38021	58303	58406
总成构件 Assembly components	弯通 Elbow connector	外丝直通 Screwed joint	直通 Connector	三通 T-joint	高压球阀 High-pressure adjusting valve	过滤器 Filter	支架 Rack	管道 Pipeline

1"管道总成

1" PIPELINE ASSEMBLY

主管道为1" 的专用流体管及其管件。
The main pipeline is equipped with 1" special fluid pipe and pipe fittings.



三通
T-joint

外丝直通
Screwed joint

直通
Connector

弯通
Elbow connector

总成型号 Model 58001
58000



高压球阀
High-pressure adjusting valve

过滤器
Filter

支架
Rack

管道
Pipeline

型号 Model	58208	58207	58206	58205	58110	38021	58303	58410
总成构件 Assembly components	弯通 Elbow connector	外丝直通 Screwed joint	直通 Connector	三通 T-joint	高压球阀 High-pressure adjusting valve	过滤器 Filter	支架 Rack	管道 Pipeline

GREASE FILLING EQUIPMENT

黄油加注设备

