

Contact TEL: +86 139 1757 0706



DEDICATED TO EMERGENCY DRAINAGE, POWER GENERATION, LIGHTING SOLUTIONS

EMERGENCY DRAINAGE EQUIPMENT

WWW.RAINPUMP.NET

RUIYING MANUFACTURE



Shanghai Ruiying Machinery Manufacture CO.,LTD
Jiangsu Ruiying Machinery Manufacture CO.,LTD

Headquarter Add: 601,Modern Communication Building,201 Xinqiao Road,Pudong New Area,Shanghai,China

Factor Add: No.8,Chaxing Road, High-tech Industrial Park, Baime Town,Lishui District,Nanjing City,Jiangsu Province

TEL:+86 21-57581618 +86 25-56231571

FAX:+86 21-57581618

POST:201206

EMAIL:ruiying@cnriyi.net

HTTP://www.rainpump.net

Emergency Drainage Equipment/2023

Scan the code to contact us



WeChat



WhatsApp





Company Profiles

"Ruiying " company was established in 2003, headquartered in Shanghai. It is a full-size manufacturing enterprise focusing on the research and development, production, sales and service of pump set, generator set, mobile light tower set and other products. In 2011, Ruiying established a modern production base covering an area of about 30,000 square meters in Baima Modern High-tech Industrial Park (No. 8, Chaxing Road), Lishui District, Nanjing City, Jiangsu Province, which further strengthened the production guarantee of Ruiying series products. For more than 20 years, Ruiying has been focusing on the technical research and development and manufacturing of pump units, generator units, emergency drainage pump sets, emergency light tower and other equipment. At the same time, we provide Ruiying high quality products and high quality services to users all over the world.

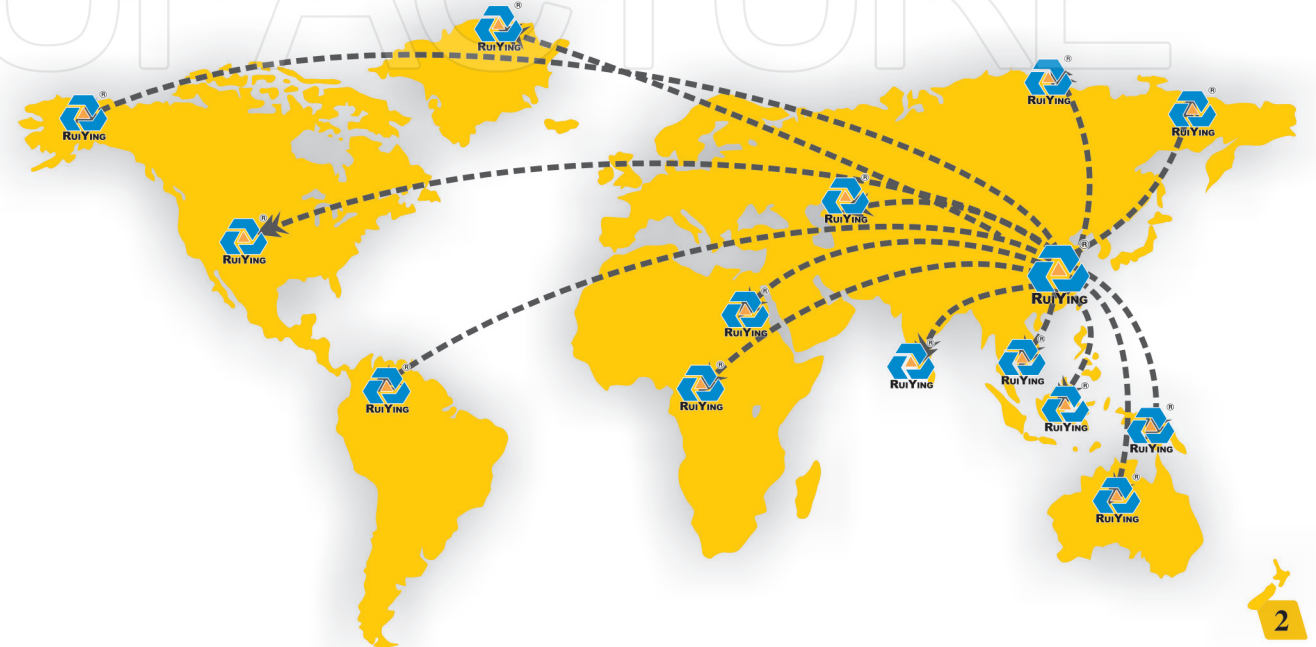
Ruiying manufacture existing 10 series of products: **PV series** (Emergency drainage pump), **MV series** (Trailer type multifunctional pump), **E series** (Permanent magnet frequency conversion submersible pump), **EV series** (Emergency drainage vehicle) ,**EX series** (Explosion-proof diesel pump unit) , **CS series** (Container drainage pump station) , **AS series** (Automatic loading type drainage shelter) ,**MLT series** (Hydraulic /Manual mobile light tower) , **FR series**(Trailer type fire rescue pump set) ,**GF series** (diesel generator set).The engines selected in the series products are: Cummins , Deutz , Weichai , Shanghai Chai, Yuchai and other international and domestic famous brand engines.The products manufactured by Ruiying are widely used in remote fire water supply, fire rescue, emergency rescue, farmland irrigation, flood control and drainage, drought relief, emergency power generation, emergency light tower, sewage treatment, hydropower engineering and metallurgy, mining, petroleum, chemical industry, chemical fiber and other industries.

Ruiying Factory has passed ISO9001-2015 International Quality Management system certification, ISO14001-2015 Environmental Management system certification, OHSAS18001:2007 Occupational Health management system certification. Company products all over the world, a large number of sales to Southeast Asia, Europe, Africa, and other countries and regions, and from these countries and regions of many customers to form a long-term stable relationship of cooperation. Ruiying company has independent import and export rights.

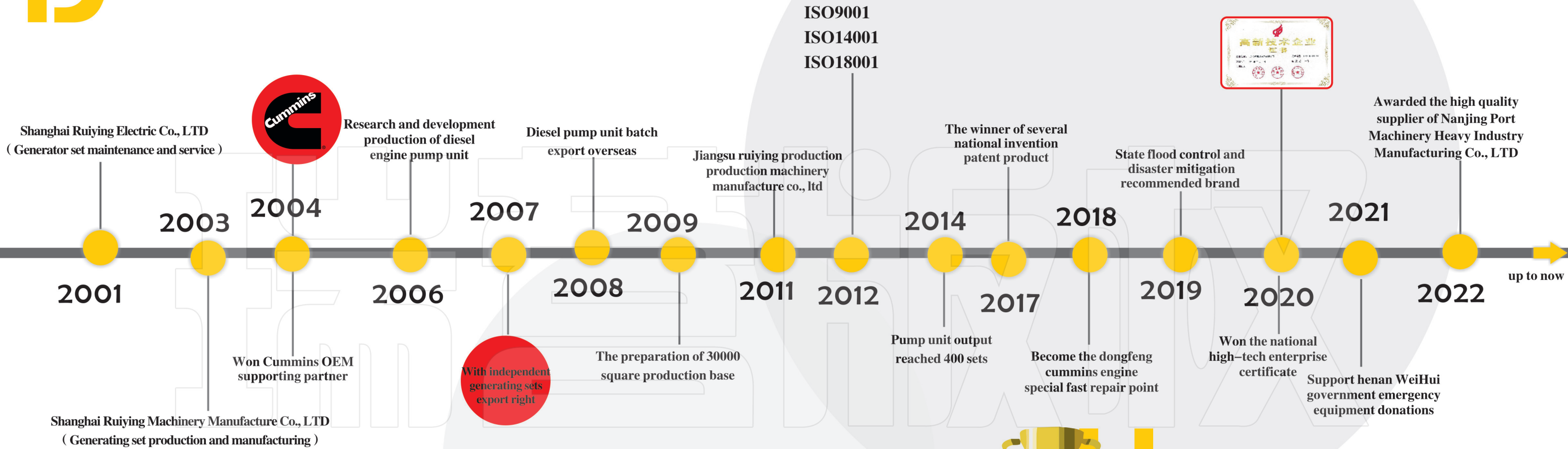
In recent years, natural disasters occur frequently all over the world. Ruiying has provided high-quality drainage and irrigation solutions for flood in Thailand, tsunami in Japan, agricultural irrigation in arid areas of African countries and other projects. Ruiying has made significant contributions to flood control and disaster relief in Beijing and other major cities in China.

Ruiying company production of various types of emergency drainage equipment, its main types are: Vehicle-borne large flow drainage emergency vehicle, pickup type drainage emergency vehicle , fixed type diesel engine self-priming pump unit, trailer-type mobile pump set , trailer type generator & drainage double-duty pump set, the whole intelligent diesel engine fire pump group, portable emergency pump, pump frequency conversion electric control cabinet and other products, and can customize according to customer's request processing.

Ruiying company sincerely invites agents from all over the world to join us and cooperate, and is willing to work with you to create a win-win situation.

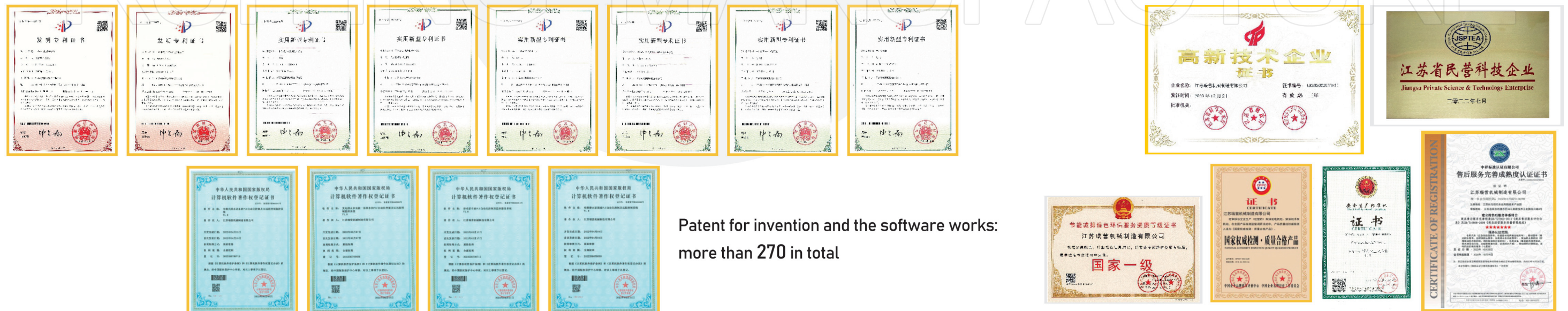


D Development History



Ruiying products won several national patent technology, through the ISO9001:2016 international quality management system certification, CE certification, through the SGS certification, environmental management certification, occupation health certification, and won the award for the national famous quality products, in 2020 won the title of "national high and new technology enterprise, in 2022 won the provincial private technology enterprises, enjoys a high reputation in the industry.

H Honors and Qualifications



Patent for invention and the software works: more than 270 in total

Digital management production and development base - emergency rescue drainage equipment

The company has a first-class product research and development team and supporting professional production and processing equipment, using Solidworks, UG three-dimensional structure digital model design, fully adopting the engineering and technical standards and national standards specified by the supporting main engine factory.



30000 m² of factory area
Provincial high-tech enterprises

- Modern standard workshop
- Adopt first-class professional sheet metal processing equipment
- Perfect CRM inventory management system

P Production Capacity



Storage Workshop



Machine Workshop



Assembly Workshop



Finished Workshop

Quality service

The company has a strong service network, sales and service integration, over the years focused on the training of after-sales service personnel.



Suitable for any industry

Drainage solution in case of no electricity power for applications in various industries.

S Service Team

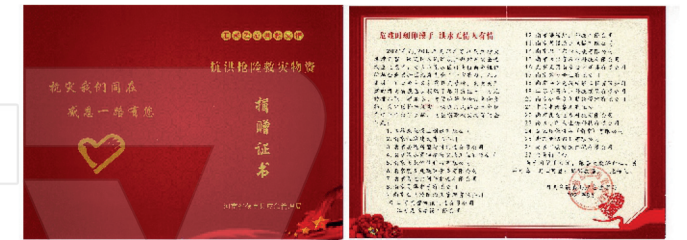
- After-sales service: Ruiying after-sales service meets the evaluation system certification, including the "Product After-sales Service Rating System" (GB/T 27922-2011) standard evaluation certification.
- Free warranty period: one year or the equipment runs for 1000 hours after the product arrives at the customer's site and passes acceptance inspection, whichever comes first.



Ruiying is well aware of the important role of service in manufacturing market competition, and has focused on the training of after-sales service personnel for many years. Under the constantly changing market environment, we have built a service team that can always understand customer needs and actively respond to customer questions. Our service network covers the global market.



- Municipal drainage
- Subways, tunnels, culverts
- Flood control and rescue
- Well-points dewatering
- Water treatment
- Oil field
- Chemical industry
- Agricultural irrigation
- Mining industry
- Fire remote water supply
- Manufacturing
- Fire rescue



Overview of the main benefits of the pump set

- Ambient temperature -10~45°C; The altitude is within 5000 meters.
- Unit flow range 100~7200m³/h; 27-2000L/s.
- The head range of the unit is 5~40m, the caliber range: DN75~DN800.
- Trailer type, fixed type unit, can be used outdoors all weather.
- Stable performance, cost-effective, economical to use, easy to maintain.
- It can be connected to an external large fuel tank to easily achieve 24-hour continuous operation.
- PLC automatic control, unit drainage operation is easy and safe, easy to install and debug.
- Easy to move, can meet the application needs of different environments and different occasions.
- The stationary type can realize the linkage drainage function of multiple units.
- It can realize automatic high water drainage function
- It can be applied to integrated fire drainage systems.

Our product series

Suitable for all kinds of emergency drainage conditions

Product type

Design satisfactory models according to customer requirements

P Product Series

MV Series

Trailer type multifunctional pump
Flow rate range: 500m³/h~2000m³/h



PV Series

Trailer type emergency drainage pump
Flow rate range: 450m³/h~2000m³/h



EV Series

Emergency drainage vehicle
Flow rate range: 500m³/h~5000m³/h



E Series

Permanent magnet frequency conversion submersible pump
Flow rate range: 100m³/h~1000m³/h



EX Series

Explosion-proof diesel pump unit
Flow rate range: 700m³/h~3000m³/h



CS Series

Container drainage pump station
Flow rate range: 1500m³/h~7000m³/h



AS Series

Automatic loading type drainage shelter
Flow rate range: 150m³/h~600m³/h

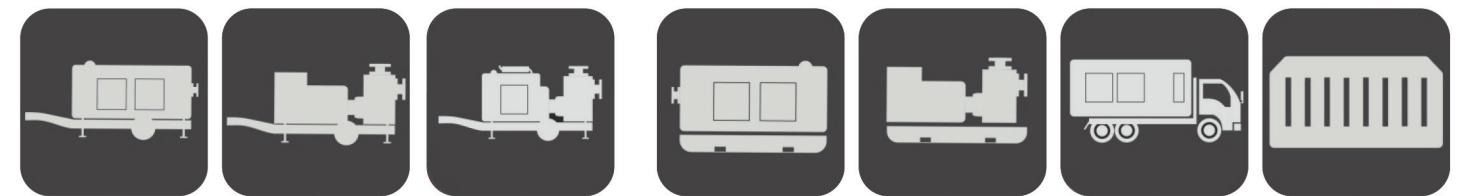


FR Series

Trailer type fire rescue pump set
Flow rate range: 240m³/h~3000m³/h



P Product Type



Total enclosed trailer type Open trailer type Semi-enclosed trailer type Total enclosed fixed type Open fixed type Mobile vehicle type Containerized type

More product types are customized for customers.....

Product Case

PV series case

Emergency drainage pump set



Flow rate: 500m³/h



Flow rate: 800m³/h



Flow rate: 1000m³/h



Flow rate: 600m³/h

MV series case

Trailer type multifunctional pump



Flow rate: 500m³/h



Flow rate: 1000m³/h



Flow rate: 1000m³/h



Flow rate: 2000m³/h

EV series case

Emergency drainage vehicle

E series case

Permanent magnet frequency conversion submersible pump



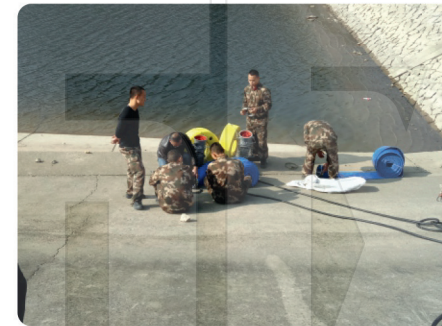
Flow rate: 1000m³/h



Flow rate: 1000m³/h



Flow rate: 1000m³/h



Flow rate: 500m³/h



Flow rate: 800m³/h

AS series case

Automatic loading type drainage shelter



Flow rate: 1500m³/h



Flow rate: 1500m³/h



Flow rate: 500m³/h

EX series case

Explosion-proof diesel pump unit

CS series case

Container drainage pump station



Flow rate: 1000m³/h



Flow rate: 1000m³/h



Flow rate: 1000m³/h



Flow rate: 1500m³/h



Flow rate: 800m³/h



Flow rate: 1000m³/h



Flow rate: 1500m³/h



PV series 450~2000m³/h

Emergency drainage pump set

Trailer type emergency drainage pump set

vacuum assisted one-key start

Product Introduction



Diesel engine

- Equipped with high-quality engine and high-performance pump body, strong power, high torque, easy maintenance, easy start;
- A high-strength cardan coupling is adopted between the engine and the pump body to make the operation more stable;
- All movable devices are effectively fixed to further improve the shock absorption effect;
- The radiator and rotating parts of the unit are equipped with protective covers to avoid damage caused by direct contact between man and machine.

Pump

- Customized drainage functions for different flow and head requirements;
- With self-priming function, suction lift 6~8.5m;
- Pump body disassembly structure: easy to maintain and troubleshoot. Only ordinary tools are needed to quickly complete daily maintenance, saving time and effort ;
- Open impeller structure, non-clogging design, strong passing performance;
- Easy to use, just put the suction tube deep below the liquid level to work(Fill with water for the first start).

Trailer

- Equipped with Australia-specific trailer chassis and torsion bridge structure; alloy steel rim, automobile vacuum tires ;
- Equipped with vehicle control connectors, it can synchronize trailer brake, steering and taillight control when towing the trailer.

Parameter configuration

Model	Flow rate m ³ /h	Head m	Suction head m	Engine power ≥ KW	Trailer type
RY450PV	150~450	25~8	6~8.5	29	Two-wheeled road trailer
RY700PV	300~700	30~10	6~8.5	38	Two-wheeled road trailer
RY1200PV	288~1200	30~15	6~8.5	50	Two-wheeled road trailer
RY1500PV	400~1500	20~10	6~8.5	95	Two-wheeled road trailer
RY2000PV	1800~2000	20~10	6~8.5	163	Two-wheeled road trailer

Special specifications of flow, head , can be customized production.

Project case



Key features

- Diesel engine driven water pump set, suitable for field drainage operations without electricity;
- Integrated vacuum assist system, no need to fill the pump body with water. It can start draining quickly after starting;
- Highway trailer system, travel speed: 40~80km/h;
- Integrated chassis fuel tank, can last 8~10h running.

MV series 500~2000m³/h

Trailer type multifunctional drainage pump set (Drainage, Power generation, Lighting)

Trailer type multifunctional drainage pump set

Inverter electric submersible pump



Parameter configuration

The number of portable submersible pumps can be freely combined according to flow rate and head.

Model	Flow rate m ³ /h	Head m	Number of submersible pumps	Genset power KW	Optional configuration
RY500MV	500	10	1set	25	1、Inverted horizontal curved arm lifting light 2、Vehicle surveillance camera
RY1000MV	1000	10	2sets	50	
RY1500MV	1500	10	3sets	80	
RY2000MV	2000	10	4sets	100	

Special specifications of flow, head, can be customized production.

Description of unit performance

- Trailer-type diesel generator set, equipped with frequency conversion submersible pump in the enclosure, to realize the field power generation and drainage work;
- The flow rate of a single submersible pump is 130~1000m³/h, and the head: 8~55m;
- Special pump body structure design, the weight of each submersible pump is less than 35kg, can be easily lifted by a single person;
- Single submersible pump power: 15-55KW;
- The submersible pump is equipped with a step-down frequency conversion starting cabinet, the displacement can be manually adjusted or automatically fixed, and has a precision leakage protection device;
- The submersible pump adopts dry composite motor, and the impeller is made of 304 stainless steel, which is integrated and anti-corrosion and wear-resistant;
- The submersible pump is equipped with a 30-meter submersible cable, integrated with the pump and with a steel cable sheath with a length greater than 100mm;
- The connection of the cable adopts IP67 industrial waterproof quick connection;
- The submersible pump can choose two modes: mobile diesel generator or mains drive;
- Equipped with a special floating ring to avoid the bottom of the submersible pump;
- Each submersible pump is equipped with a 40m drainage hose. The length can be configured according to customer requirements;
- Lifting lighting: The top of the box is equipped with LED lifting lights, can manual and wireless remote control, up to 1.8m, wide irradiation range, suitable for night drainage operations.



Elevating lighting night display effect



E series 100~1000m³/h

Permanent magnet frequency conversion submersible pump Small size, Light weight

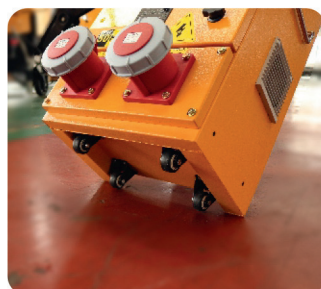
Permanent magnet frequency conversion submersible pump

Simple, safe and effective operation



Frequency conversion control cabinet performance description

- Control cabinet protection grade: IP55, provide good safety in harsh environments;
- Top mounted telescopic rod, installed at the bottom of the pulley, can quickly transfer;
- Can use the grid work, also can be combined with emergency vehicles quickly. After on both sides of the handle, convenient control cabinet quickly separate from the vehicle;
- Pump control system integrated in the control cabinet, control cabinet below 35 kg weight, can work properly within 0-500m from the generator, it can realize drainage work over a long distance away from vehicle, the staff to keep a safe distance;
- Liquid crystal display accurately reveal the pump running voltage, current, frequency, speed and fault condition;
- Control system for submersible pump to realize frequency conversion start and stop, Speed can be changed during operation;
- Control software with steady power supply, high-frequency output monitoring, precision of leakage protection device;
- Control cabinet and pump can use the two modes of diesel generators or mains (380 v / 400 v) drive.



Bottom pulley to move quickly



Movable pull rod, easy handling

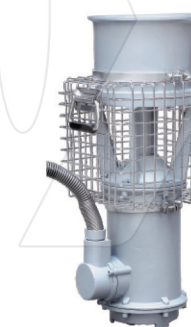
Product Features:

- Small size, light weight, simple to use;
- Wide range of application, suitable for emergency rescue work in various environments;
- The flow rate and head size can be adjusted.

Parameter configuration of submersible pump



RY-E400-8 Light Portable submersible pump	
outlet size (mm)	200
flow rate range (m ³ /h)	300~400
head range (m)	7~12
motor power (kW)	15
net weight (kg)	≤23



RY-E500-10 Light Portable submersible pump	
outlet size (mm)	200
flow rate range (m ³ /h)	500~600
head range (m)	7~11
motor power (kW)	22
net weight (kg)	≤32



RY-2E600-8 Ultra-light portable submersible pump	
outlet size (mm)	200
flow rate range (m ³ /h)	500~600
head range (m)	8~10
motor power (kW)	22
net weight (kg)	≤24



RY-E150-35 High head submersible pump	
outlet size (mm)	150
flow rate range (m ³ /h)	100~200
head range (m)	50~25
motor power (kW)	22
net weight (kg)	≤30



RY-E1000-10 Large flow submersible pump	
outlet size (mm)	250~300
flow rate range (m ³ /h)	800~1000
head range (m)	12~8
motor power (kW)	45
net weight (kg)	≤80



RY-EJ500-10 Portable cross-flow relay pump	
outlet size (mm)	150~200
flow rate range (m ³ /h)	150~500
head range (m)	35~10
motor power (kW)	22
net weight (kg)	≤50

AS series 150~600m³/h

Automatic loading type drainage shelter (Drainage, Lighting, Power generation)

Emergency drainage shelter

Automatic loading type

Unit performance description

- With the electric loading and unloading system, single person can independent operation equipment loading and unloading from the car, without other auxiliary tools such as crane or forklift;
- A key remote elevator, elevator has the system since the balance in the process of detection, and alarm protection function,
- All LCD touch screen control, can display four supporting leg lift height and balance;
- Loading/unloading time < 180 seconds;
- Applicable models: pickup truck or minivan;
- Power > 18 kw.

Parameter Configuration

According to the flow, head requirements of free combination of portable submersible pump number

Model	Flow m ³ /h	Head m	Generation power KW	Lifting light
RY150AS	150	20	18	2*150W LED
RY400AS	400	8	18	2*150W LED
RY500AS	500	7	18	2*150W LED

Special specifications of flow, head, can be customized production.



RY500AS



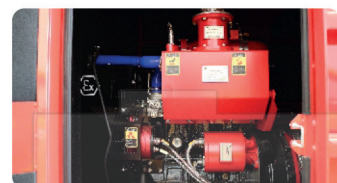
EXseries 700~3000m³/h

Explosion-proof diesel pump unit

Explosion-proof level: **ExIIBT4 2G**

Explosion-proof diesel pump unit

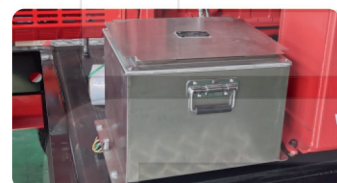
Mining area/chemical explosion-proof emergency pump station /pressure pump station



Explosion-proof diesel engine



Explosion-proof control cabinet



Explosion-proof diesel battery

Explosion-proof instruction:

Ex II B T4 2G

→ Hazardous gas zone

Explosion-proof sign

Class II explosion-proof electrical equipment

IIB-class gas

Ignition temperature of explosion-proof gas

Ignition temperature specification

- T1 : 450°C < t ;
- T2 : 300°C < t ≤ 450°C ;
- T3 : 200°C < t ≤ 300°C ;
- T4 : 135°C < t ≤ 200°C ;
- T5 : 100°C < t ≤ 135°C ;
- T6 : 85°C < t ≤ 100°C

Unit performance description

- Flameproof integrated permanent magnet generator installed on engine to avoid potential security risks.
- Explosion-proof electric starter motor installed on engine to avoid potential security risks.
- Engine configuration each explosion-proof level of temperature, water temperature, oil pressure, liquid level, cylinder speed monitoring sensor system, a full range of engine protection system.
- Meet the explosion-proof grade start-up battery.
- Meet the explosion-proof grade of low pressure tank control system.
- According to different needs, the engine suitable for dangerous gases 1 area, dangerous gas2 area, dangerous dust 21 area, dangerous dust 22 area, explosion-proof diesel or gas powder composite places are optional.
- All rubber pipe of engine, installation of protective shield and effective ground handling, avoid electrostatic discharge.
- Meet the explosion-proof grade water-cooled heat flue gas treatment system, integrated cooling water tank.

Parameter Configuration

Model	Flow m ³ /h	Head m	Engine power KW	Container
RY700EX	700	20	70	non-standard
RY1000EX	1000	20	90	
RY1500EX	1500	18	132	
RY2000EX	2000	18	160	
RY2500EX	2500	15	230	
RY3000EX	3000	15	260	

Special specifications of flow, head, can be customized production.

The explosion-proof grade of the engine reaches the mine explosion-proof grade EXIIBT42G

The whole machine strictly in accordance with GB3836, GB12476 and GB20800 related explosion-proof standards design, manufacturing, production, inspection, protection of explosion-proof safety.



CS series 1500~7000m³/h

Container drainage pump station

Container drainage pump station

Open a new mode of intelligent power generation + drainage

Unit performance description

- The containerized flood drainage pump station has high efficiency and can work continuously during the flood season, bringing effective work efficiency to the flood drainage work;
- There are a cummins generator and multiple high-efficiency self-priming pumps in the container. It has the functions of independent power supply and mains power supply switching of diesel generator sets;
- The pump is equipped with a vacuum assisted control system, no need to fill water to pump body, automatic vacuum water vapor separation system with water backflow protection system, which greatly reduces the water discharge time and solves the problem of drainage work during the flood season;
- The water pump is equipped with an electric butterfly valve, which reduces tedious manpower operation and realizes fully automatic one-button drainage;
- Container design: maintenance door, control box operation door, air inlet louver, exhaust louver box foundation, box fixation, etc.;
- The container is a non-standard box, the box body has an independent heat dissipation system, and the container has standard fasteners above and below to facilitate transportation and overall lifting;
- When the fault or cannot start normally, the sound and light alarm realizes the alarm and shutdown function, and protects the unit in real time;
- The container is equipped with dual-way LED lighting, which can facilitate night work, and piping, wiring, lamps, back box auxiliary materials, etc.;
- The container is equipped with dual-way LED lighting, which can facilitate night work, and piping, wiring, lamps, back box auxiliary materials, etc.;
- Intelligent automation PLC control system and control cabinet: intelligent automatic LCD controller, can start the drainage function with one button, adopt large-screen liquid crystal (LCD) graphic display, can display the operating status of the unit and other parameters in real time, and have overload protection and alarm shutdown protection functions for the whole unit, can realize the automatic drainage function of attendance, with the automatic switching function of main and backup power supply, simple operation, safe and reliable operation, cabinet material: Q235, control cabinet protection level IP56;
- This container is an integrated non-standard container, with a small footprint, a small amount of civil construction works, and civil construction does not need to be reported to the relevant departments.



Diesel generator set independent power supply and mains power supply switching function

Intelligent automatic PLC control system and control cabinet

The automatic vacuum assisted control system greatly improves the efficiency of emergency drainage

Application range

Container drainage pump system new generation of new concept emergency rescue materials storage equipment, generally used for urban inland river sluice emergency drainage, in the construction application can timely and effectively eliminate the hidden danger of river water (seawater) rise, prevent river backflow, in a short time can effectively control the emergency site danger, to avoid the deterioration and escalation of the disaster. The one-stop solution of container drainage system is the trend of emergency rescue development in the future.

Parameter Configuration

Model	Flow m ³ /h	Head m	Genset power KW	Working mode	Container
RY1500CS	1500	10~25	≥ 75	Manual/Automatic	non-standard
RY2000CS	2000	10~25	≥ 100	Manual/Automatic	
RY3000CS	3000	10~25	≥ 120	Manual/Automatic	
RY4000CS	4000	10~25	≥ 150	Manual/Automatic	
RY5000CS	5000	10~25	≥ 180	Manual/Automatic	
RY6000CS	6000	10~25	≥ 200	Manual/Automatic	
RY7000CS	7000	10~25	≥ 220	Manual/Automatic	

Special specifications of flow, head, can be customized production.

Container Pumping station drainage project site



EV series 500~1000m³/h (China VI)

Pickup drainage rescue vehicle 8~30m

Pickup drainage rescue vehicle

Optional configuration

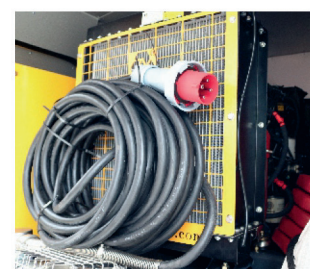
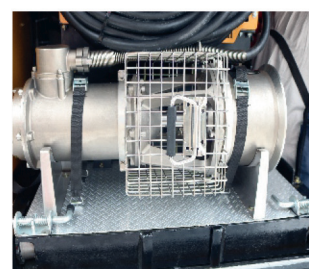


Pickup Drainage Rescue Vehicle

RY500EV



Vehicle inside view



Product description

- Pickup drainage rescue truck is the ideal best solution for field drainage without electricity, super large drainage flow, widely used in field engineering, agricultural irrigation, flood prevention and drainage, emergency firefighting, etc.
- High-efficiency and energy-saving portable submersible pump body, dry composite motor, wear-resistant and corrosion-resistant stainless steel impeller, integrated molding, anti-corrosion and wear-resistant, stable performance and reliable use.
- One-button start-stop operation control system, with diesel engine self-protection (low oil pressure, high water temperature, over speed) function.
- Reliable and stable grounding type, equipped with leakage protection device.

Pickup truck parameters

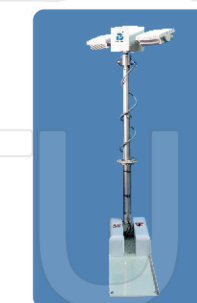
Models	4WD diesel version pickup	
Chassis wheelbase	mm	3406
Chassis power	kW	105
Number of permitted passengers		2+3
Max speed	km/h	140

Standard configuration

Items	Configuration instruction	Quantity
Vehicle chassis	Four-wheel drive diesel version, national six emissions	1set
Diesel generating set	Power:25~35KW Voltage:380/220V	1set
Portable submersible pump	Flow:500m ³ /h Head:10m Power:22KW	1set
Cable	Submersible grade cable	30m
Control system	Liquid crystal intelligent control system	1set
Water pump starting cabinet	Frequency conversion starting cabinet, control flow rate	1set
Battery	Maintenance-free type (including battery switch)	1set
Lamp	Top searchlight	1set
Ancillary accessories	Drain-pipe:20m Floating body Rope:20m	1set
Pipe support (Ruiying patent)	Detachable Steel structural support for Wellhead drainage belt	1set
Registration information	Vehicle qualification certificate, environmental protection certification, licensing invoice	1set
Documents	Operation manual, certificate of qualification, warranty card	1set

Optional configuration 1

Inverted horizontal curved arm lifting light



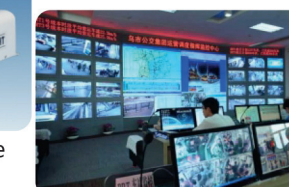
Lift height: **1.8M**
Radian of movement: **0-90°**
Remote control: **support**

Optional configuration 2

1080P high definition--Vehicle surveillance camera



Real-time monitoring of the emergency situation and synchronous transmission to the command center



EV series 500~5000m³/h (China VI)

Large flow drainage rescue vehicle 8~45m

Truck-mounted pump system

Pioneer of urban emergency flood control

Optional Configuration



Description of unit performance

- Large flow drainage rescue vehicle is the best ideal solution for field without power drainage , super large drainage flow, widely used in field engineering, agricultural irrigation, flood prevention and drainage, emergency firefighting, etc.
- High-efficiency and energy-saving portable submersible pump body, dry composite motor, wear-resistant and corrosion-resistant stainless steel impeller, integrated molding, anti-corrosion and wear-resistant, stable performance and reliable use.
- One-button start-stop operation control system, with diesel engine self-protection (low oil pressure, high water temperature, over speed) function.
- Reliable and stable grounding mode, equipped with leakage protection device.
- The central control lounge has a large space and a telescopic staircase designed to meet the humanized needs of the unit during use.

Model recommendation:

RY500EV、RY1000EV、RY1500EV、RY2000EV、RY3000EV、RY3500EV、RY4000EV、RY4500EV、RY5000EV

Unit parameters

Vehicle Model		Large flow drainage rescue vehicle	Small and medium-sized drainage rescue vehicles (license plate is available)
Flow range	m ³ /h	1500~5000	500~1200
Head range	m	8~45	8~45
Generator set power	kW	150~200	50
Max speed	km/h	≥89	≥100
Passengers number allowed in the cab		≥3	≥3
Vehicle emission standards		China VI	China VI



Optional configuration refer to the pickup series

FRseries 240~3000m³/h

Trailer type fire rescue pump set

Trailer type fire rescue pump set

Provide one-stop solutions for fire remote water supply and emergency rescue

Scope of application of the unit

- Remote water supply for fire fighting;
- Fire emergency rescue and disaster relief;
- Emergency dispatch of water conservancy pumping station;
- Surprise urban flood control and drainage, drought resistance, etc.



Introduction to unit performance

- The engine is selected from Cummins, a Sino-US joint venture, which is durable and stable in performance;
- The transmission adopts universal joint connection, which has small vibration, stable performance and long service life;
- Double chassis trailer, double shock absorption, stable driving, 180° turning without dead angles, electronic brakes and crash brakes to ensure driving safety;
- A gear clutch gearbox is installed between the diesel engine and the rotary lobe pump, and an electronic clutch switch is installed to ensure that the diesel engine is not loaded to start and stop idle delay;
- With forward and reverse function, it can be realized only by the rotary switch on the control cabinet, which is convenient and quick to operate;
- Double rainproof function, diesel engine with rainproof box, the whole machine with rainproof roof, side with canvas cover.



Unit specification range

Model	Flow m ³ /h	Head m	Suction head m	Engine power KW	Trailer type
RY500FR	240~350	20~40	7.5~8.5	36~70	Two-wheel road trailer
RY1000FR	800~1000	20~40	7.5~8.5	70~170	Four-wheel road trailer
RY1500FR	1200~1500	20~40	7.5~8.5	120~230	Four-wheel road trailer
RY2000FR	1800~2000	20~40	7.5~8.5	230~300	Four-wheel road trailer
RY3000FR	2500~3000	20~40	7.5~8.5	350~400	Four-wheel road trailer

Special specifications of flow, head, can be customized production.

More fire rescue pump units



Features of trailer-type units

Safe and reliable

Easy to obtain drainage output



- Has all the advantages of silent type unit.
- Suitable for field work.
- The wheeled chassis has a towing device that adjusts the balance of the vehicle at any time.
- Equipped with alarm lights, side lights, anti-fog lights, etc., in line with transportation safety standards.
- Single- or dual-axle trailers are available, with mechanical or automatic braking options to meet a wide range of requirements.
- Convenient refueling system with lockable filler ports.

Excellent safety performance

Safe to control

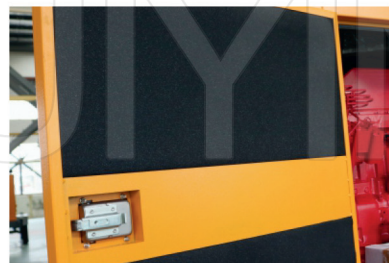
- The radiator and rotating parts of the unit are equipped with protective covers to avoid damage caused by direct contact between man and machine.
- The control panel is equipped with a door lock and an emergency stop switch, and the emergency stop device is installed outside the box for easy use in an emergency.

High-quality sound-dampening materials and design

- The inner wall of the unit adopts a new special 50mm flame retardant silencer cotton, and the sealing plastic is used around the door, which can absorb and block a large amount of noise and heat emitted by the unit during operation.



Protective cover design to ensure man-machine safety



Noise reduction flame retardant new silencer cotton design

Easy to operate

Convenient refueling and watering device

- Built-in bottom fuel tank;
- Externally equipped with a filler port;
- Fuel discharge port of the base;
- Water filler above the enclosure.
- With quick couplings, the work of piping connection is easier and faster.

Simpler maintenance

- All routine maintenance work can be operated on both sides of the unit, and wide access doors give you access to all parts of the unit.

Towing chassis

Single axle towing chassis

Double axle towing chassis



Excellent chassis performance

Traction bar

- Highway version traction bar
- Off-highway version of the traction bar



New design of gooseneck traction bar



Adjustable height towing design



General car tire

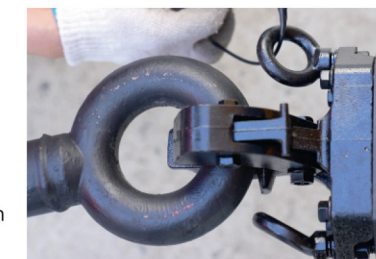
Safety chains

- Install safety chains on all towing units

Security

- The safety brake wire rope is connected to the main vehicle to ensure that the trailer can brake reliably in the event of accidental decoupling.

Drag connection



Driving brakes

- Highway version: In driving, automatic braking can be realized according to the tractor;
- Off-highway version: In driving, there is no driving brake.

Parking brakes

- No brake below 0.75T, mechanical parking and wheel gear are configured above 0.75T;
- The brake device generally ensures reliable braking in the up and down directions of a 10° slope.

Pass competence

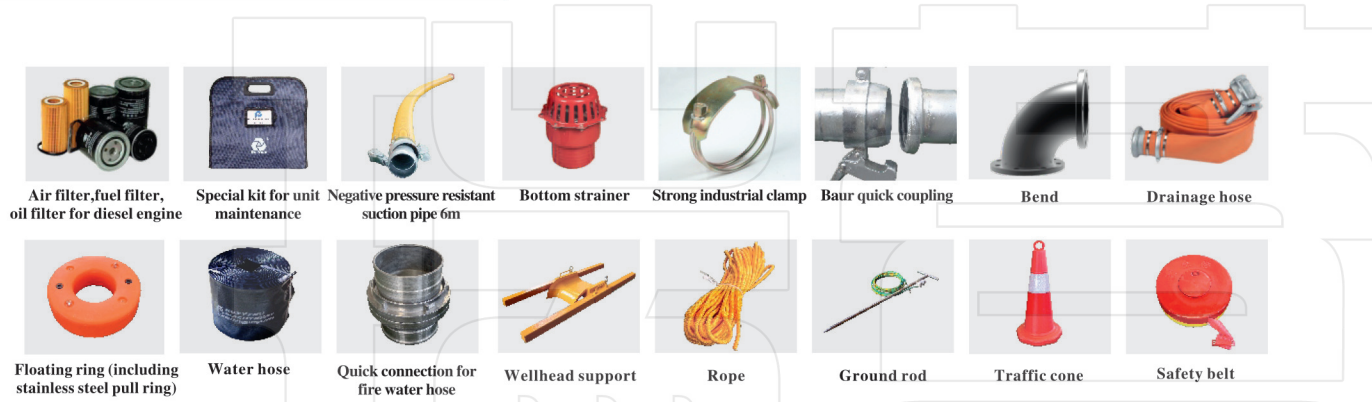
- The chassis is > 250mm above the ground
- The angle of the front and rear wheel attachments and their tangent plane to the ground > 18°



Product package

Provide you with drainage system special supporting product package, can guarantee the drainage work immediately.

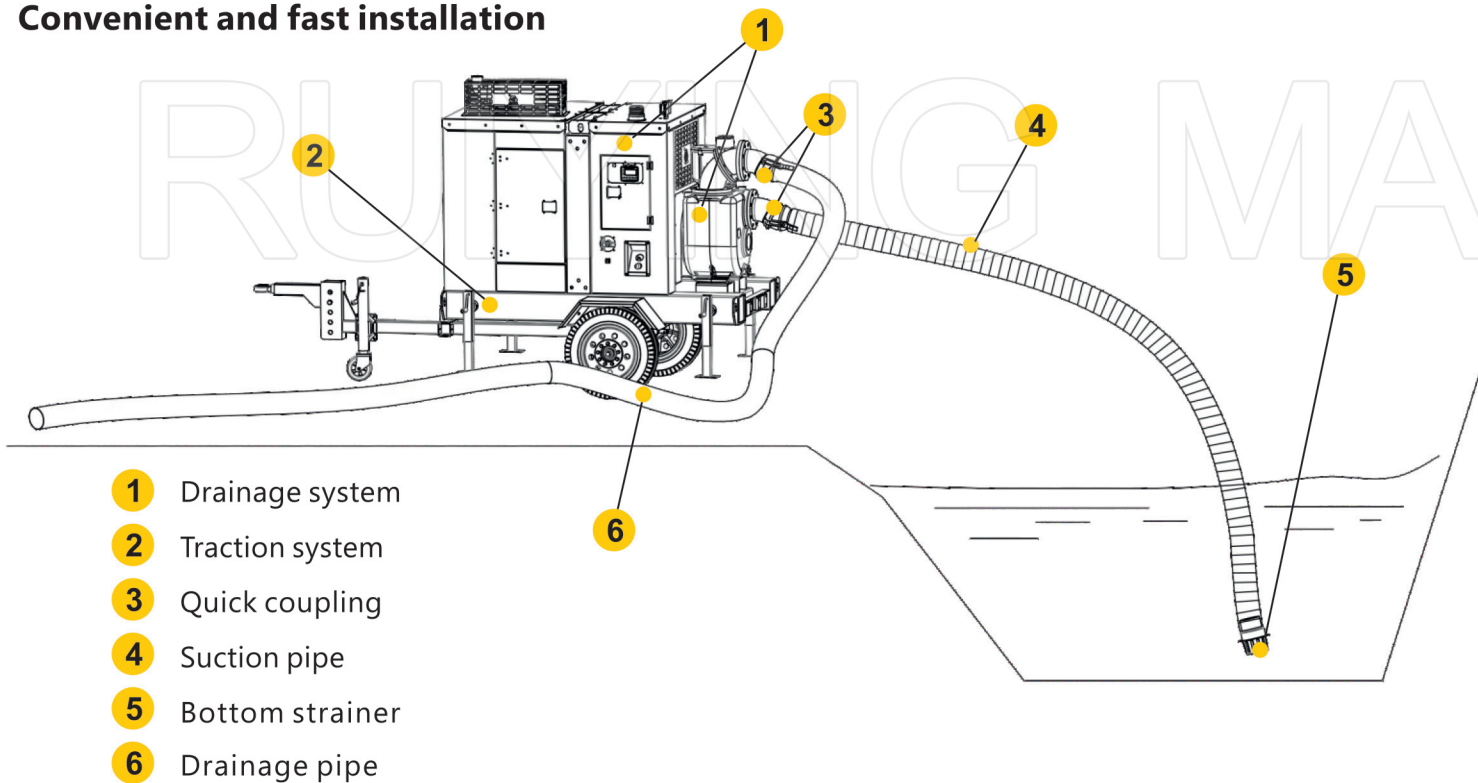
Conventional product package



Air filter, fuel filter, oil filter for diesel engine
 Special kit for unit maintenance
 Negative pressure resistant suction pipe 6m
 Bottom strainer
 Strong industrial clamp
 Baur quick coupling
 Bend
 Drainage hose
 Floating ring (including stainless steel pull ring)
 Water hose
 Quick connection for fire water hose
 Wellhead support
 Rope
 Ground rod
 Traffic cone
 Safety belt

The above are conventional accessories, which are equipped differently according to different equipment types. The purchase contract shall prevail.

Convenient and fast installation



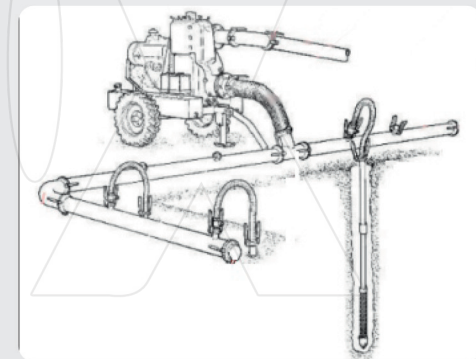
- 1 Drainage system
- 2 Traction system
- 3 Quick coupling
- 4 Suction pipe
- 5 Bottom strainer
- 6 Drainage pipe

Special customized products

Customizable to meet customer needs

Customized Solution

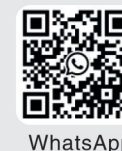
Well point dewatering pump set system



Mining area floating type pump station



WeChat



WhatsApp

TEL:+86 139 1757 0706
 Email: ruiying7@cnriyi.net
 WeChat/WhatsApp:+86 139 1757 0706