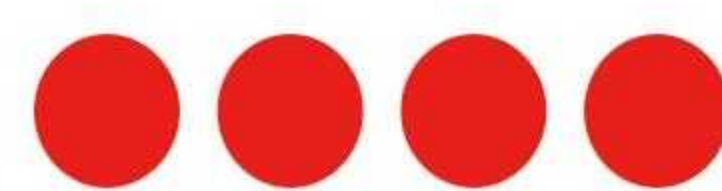


AOCHENG CATALOG



HUBEI

YONGJIA AOCHENG HARDWARE CO., LTD.



YONGJIA AOCHENG HARDWARE CO., LTD.

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AOCHENG

Introduction

Yongjia County Aocheng Hardware Products Co., Ltd. ("Aocheng Hardware") is a leading manufacturer specializing in fuel dispensing equipment and fluid handling solutions. Since its establishment in 2007, we have been dedicated to the R&D, production, and sales of fuel nozzles, transfer pumps, flow meters, hose reels, fuel dispensers & accessories, with a product portfolio covering the core components of refueling stations.

Concept

Rooted in industry expertise dating back to 1983, we position ourselves not just as a manufacturer, but as a solutions partner who deeply understands customer needs. Guided by the business philosophy of "Wholehearted Integrity, Caring for Health, Giving Back to Society" and the enterprise spirit of "Honesty and Pragmatism, Courage to Innovate, Diligence and Dedication, Pursuing Excellence", we embed these values into every detail, from design to delivery.



System

Our core competitiveness stems from our commitment to quality and pursuit of innovation. Our quality management system is certified to ISO9001:2000 standards (since 2009), and we implement a rigorous quality control system throughout the entire process. Our core products carry CE Marking, ensuring compliance with international safety and performance standards, with ongoing efforts to obtain UL and other international certifications, providing our products with a passport to the global market

Personnel

Currently, nearly 70% of our products are exported to global markets, serving customers worldwide.. Thanks to reliable quality and competitive pricing, the Aocheng brand has gained widespread recognition in the international market. With a team of nearly 500 professional and dedicated employees, including a strong R&D team and skilled technicians working in close collaboration, we leverage craftsmanship and teamwork to provide high-quality, high-performance products and efficient, reliable service, striving to be your trusted global partner.

SINCE 1983



FIRST-GENERATION BOSS

"Quality-oriented, innovation-driven, we provide safe, reliable and efficient refueling equipment and solutions for our

shanaveshi

—Mr.Zhang

SECOND-GENERATION BOSS

"People-oriented, team-based, we cultivate excellent employees, stimulate their potential and creativity, and achieve the development

shanaveshi

—Mr.Zhang



Development History

1983

In the industrial dawn of 1983, a visionary fuel nozzle factory sprang to life, igniting its legacy with rugged craftsmanship and mechanical precision—forging the bedrock of future innovation.



2007

Under its astute second-generation leadership, the company catapulted into the digital age in 2007, unveiling sleek, AI-integrated smart nozzles that redefined efficiency—transforming gas stations into hubs of frictionless, data-driven refueling.



2010 Zhejiang

The strategically brilliant Zhejiang factory rose in 2010—a sprawling, automated powerhouse fusing robotics with eco-conscious design, amplifying production capacity by 300% while slashing carbon footprints.



2021 Hubei

With bold ambition, the 2021 Hubei facility emerged: a colossal, AI-optimized campus anchoring supply chains across the Yangtze River Economic Belt, its laser-calibrated nozzles flowing to 15+ provinces.



2025 zhejiang

With bold ambition, the 2025 Zhejiang facility emerged: a colossal, AI-optimized campus anchoring supply chains across the Yangtze River Economic Belt, its laser-calibrated nozzles flowing to 15+ provinces.



2025 zhejiang

The strategically brilliant Zhejiang factory rose in 2010—a sprawling, automated powerhouse fusing robotics with eco-conscious design, amplifying production capacity by 300% while slashing carbon footprints.



AOCHENG

ENTERPRISE PROFILE

INTRODUCTION



| HuBei Factory

Aocheng Hardware's Hubei factory was built in 2021 in Jingmen City, Hubei Province. Its establishment aims to better serve customers in Central, North, and Southwest China, significantly reducing delivery lead times and optimizing logistics costs.

The factory utilizes an efficient aluminum structure, reflecting our commitment to environmental protection.

Our Hubei factory strictly follows the same production processes and quality control systems as our Zhejiang headquarters, ensuring all products consistently meet the same high standards.

Leveraging its strategic location, the factory efficiently serves over 15 surrounding provinces, enabling faster product supply and more responsive after-sales support to our customers. It is a crucial base for serving the domestic market.



FACTORY TESTING EQUIPMENT

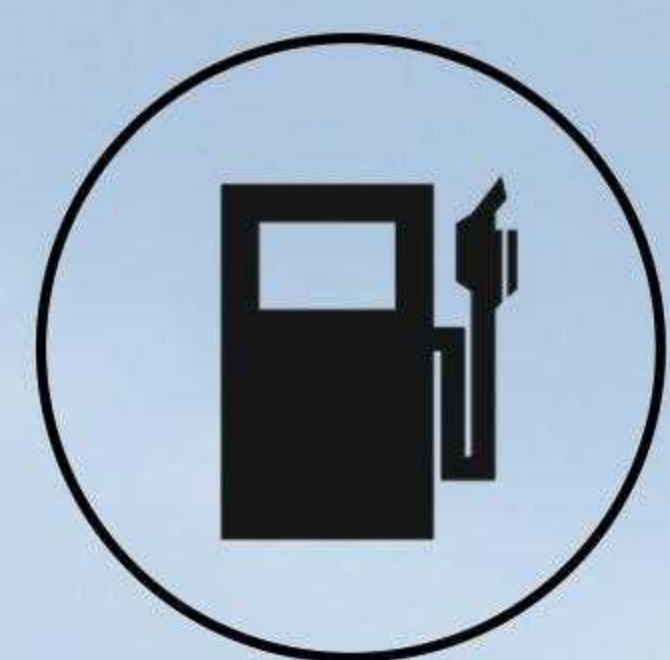
The Core of Smart Manufacturing: Large-scale introduction of automated flexible production lines, CNC precision machining centers, and smart logistics AGVs enables fully automated, high-precision production from sheet metal processing, part casting to final assembly. The MES (Manufacturing Execution System) provides real-time monitoring and analysis of production data, ensuring process transparency and traceability, increasing product qualification rate to over 99%.

Exceptional Capacity & Quality Control: Smart upgrades have increased overall production capacity by 300%, with a daily output of [Please add product type and quantity, e.g., 3000 fuel nozzles / 500 flow meters]. The factory integrates a central laboratory and an online inspection center, equipped with a full suite of high-precision testing equipment such as CMMs and laser alignment instruments, conducting 100% performance testing and durability sampling on every product leaving the factory, providing ultimate assurance for product quality.

The Hub of R&D: The new factory also serves as the company's core R&D base, featuring an advanced fluid dynamics simulation lab and a new product pilot line, ensuring R&D achievements can be rapidly translated into proven and reliable products.

The new Zhejiang factory not only marks a quantitative leap in Aocheng's capacity but also symbolizes our commitment to the future of manufacturing – enhancing reliability through smart manufacturing, fulfilling social responsibility through green production, and serving global customers with exceptional quality.





Fuel Dispenser

A fuel dispenser is a specialized piece of equipment designed to safely and accurately transfer liquid fuel (such as gasoline, diesel, ethanol, or biodiesel) from underground storage tanks to the fuel tanks of vehicles, boats, or other machinery. It is a core infrastructure component in gas stations, service stations, and industrial facilities, combining mechanical precision, electronic control, and safety features to meet both operational efficiency and regulatory standards.

AC2221/TH1111/GB4241/AC-190/GB2221/WN6361/AC-636/Gtank-1000L

AC series



Refuel



AC2221



TH1111



GB4241



AC-190



GB2221



WN6361



AC-636



Gtank-1000L

• AC2221



Product Features

The AC2221 Big Fuel Dispenser delivers 5-55L/min with ±0.3% accuracy. Suitable for diesel, HVO, XTL, gasoline, and kerosene, it features two motors, automatic nozzles, and a digital display. Its anti-explosion design makes it ideal for various commercial and industrial applications.

Product accessories

Model	Quantity	Specifications
Product	2	/
Motor	2	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	2	/
Tatsuno type flowmeter	4	/
Auto fuel nozzle	4	11A, 3/4"
Black rubber hose	4	length: 6m with couplings
Solenoid valve	4	/
Breakaway valve	4	/
Hose swivels	4	/
Totalizer	4	/
Electronic controller	4	/
Preset keyboard	4	metal material
Display	4	/

All painting body/Package: Standard export carton

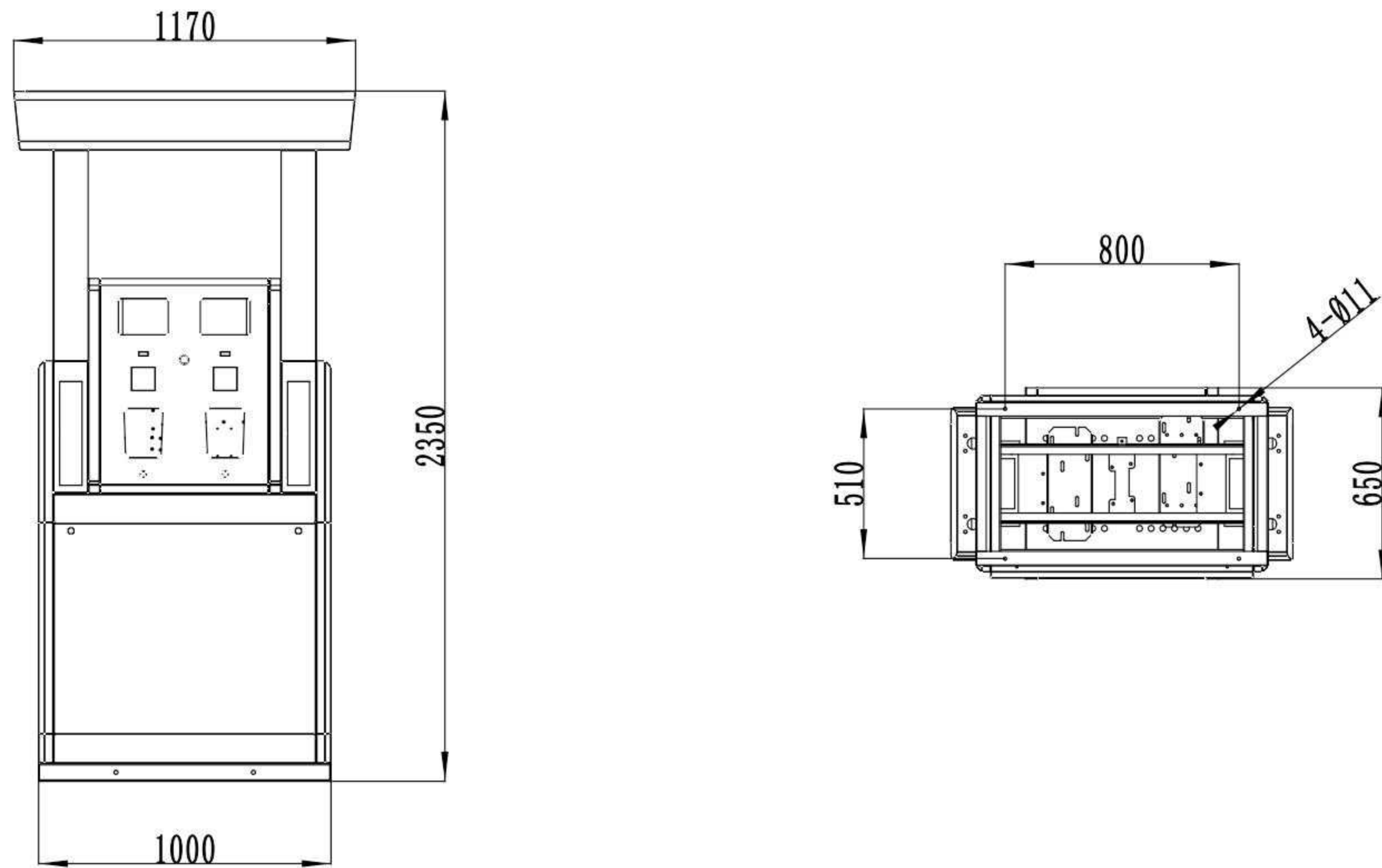
FLUID: Diesel | Diesel/HVO/XTL | Gasoline | Kerosene

Voltage	Accuracy	Repeatability	Flow Rate	Rate Power	Environmental temperature
110V/220V/380V	±0.3%	±0.1%	5~55L/min	0.75/1.1KW	-40℃~+50℃

Optional configuration

Model	Pump	Nozzle Oil Products	Dimension(mm)
AC2221	S: submersible pump T: Tastuno pump B: Bennet pump TK:Tokheim pump	2 hose,2 product, 2 displays	Net size: 1170*650*2350 Package: 1290*770*2370
		4 hose, 2 product, 4 displays	
		6 hose, 3 product. 6 displays	Net size:1253*650*2350 Package:1373*770*2370

Product size



• TH1111



Product Features

The TH1111 Big Fuel Dispenser delivers 5-55L/min with ±0.3% accuracy. Suitable for diesel, HVO, XTL, gasoline, and kerosene, it features two motors, automatic nozzles, and a digital display. Its anti-explosion design makes it ideal for various commercial and industrial applications.

Product accessories

Model	Quantity	Specifications
Product	2	/
Motor	2	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	2	/
Tatsuno type flowmeter	4	/
Auto fuel nozzle	2	11A, 3/4"
Black rubber hose	2	length: 6m with couplings
Solenoid valve	2	/
Breakaway valve	2	/
Hose swivels	2	/
Totalizer	2	/
Electronic controller	2	/
Preset keyboard	2	metal material
Display	2	/

All painting body/Package: Standard export carton

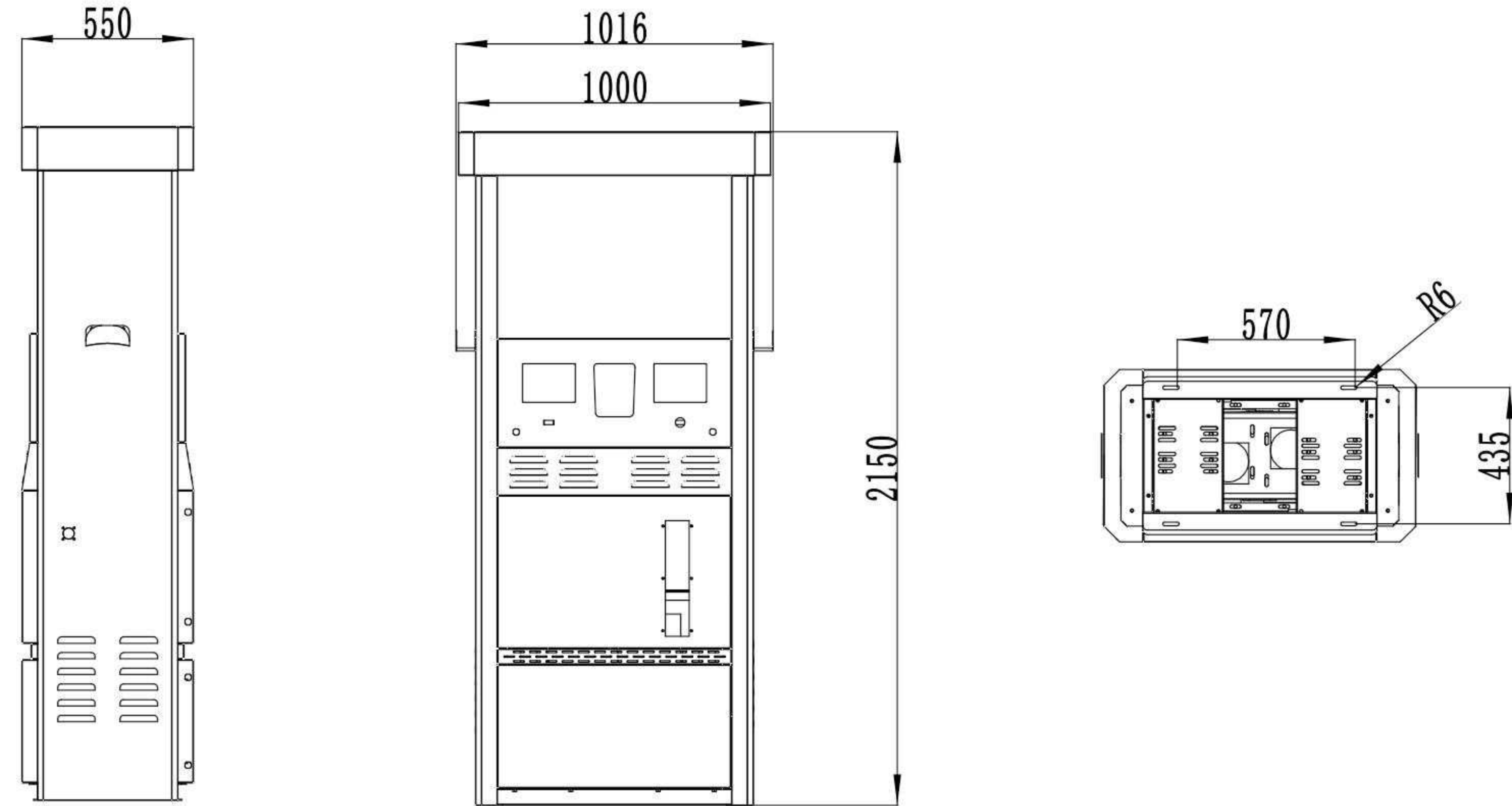
FLUID: Diesel | Diesel/HVO/XTL | Gasoline | Kerosene

Voltage	Accuracy	Repeatability	Flow Rate	Rate Power	Environmental temperature
110V/220V/380V	±0.3%	±0.1%	5~55L/min	0.75/1.1KW	-40℃~+50℃

Optional configuration

Model	Pump	Nozzle Oil Products	Dimension(mm)
TH1111	S: submersible pump T: Tastuno pump B: Bennet pump TK:Tokheim pump	1 hose,1 product,2 displays	Net size: 1016*570*2150 Package: 1136*690*2170
		2 hose,2 product,4 displays	
		4 hose,2 product,4 displays	

Product size



• GB2221



Product Features

The GB2221 Big Fuel Dispenser offers a flow rate of 5-55L/min with ±0.3% accuracy. Suitable for diesel, HVO, XTL, gasoline and kerosene, it features a Tatsuno-type pump and flowmeters. The micro-computer counter displays price, volume and unit price clearly, making it ideal for various fuel management applications.

Product accessories

Model	Quantity	Specifications
Product	2	/
Motor	2	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	2	/
Tatsuno type flowmeter	2	/
Auto fuel nozzle	2	11A, 3/4"
Black rubber hose	2	length: 6m with couplings
Solenoid valve	2	/
Breakaway valve	2	/
Hose swivels	2	/
Totalizer	2	/
Electronic controller	2	/
Preset keyboard	2	metal material
Display	2	/

FLUID:Diesel/HVO/XTL | Gasoline | Kerosene

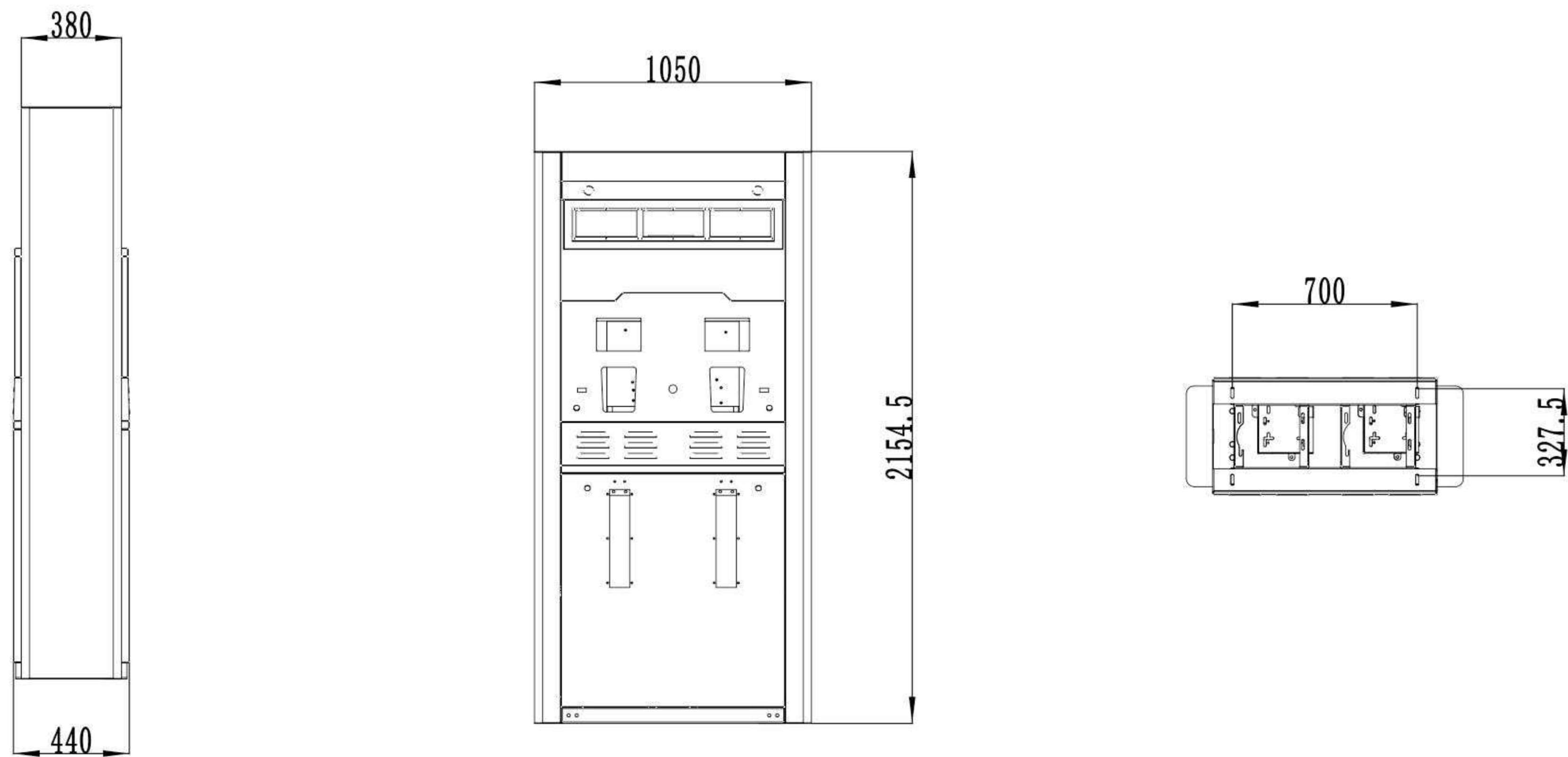
All painting body/Package: Standard export carton

Voltage	Accuracy	Repeatability	Flow Rate	Rate Power	Environmental temperature
110V/220V/380V	±0.3%	±0.1%	5~55L/min	0.75/1.1KW	-40℃~+50℃

Optional configuration

Model	Pump	Nozzle Oil Products	Dimension(mm)
GB2221	G: gear pump S: submersible pump V: vane pump	2 hose,2 product, 2 displays	Net size:1050 *440*2154.5 Package:1100*560*2250
		4 hose, 2 product, 4 displays	
		6 hose, 3 product. 6 displays	Net size: 1300*470*2154.5 Package: 1330*570*2250

Product size



• AC-160



Product Features

This fuel dispenser is compatible with diesel, gasoline, kerosene, HVO and XTL, with ±0.3% measurement accuracy, 5-55L/min flow rate, robust construction (Tatsuno gear pump, flowmeter, explosion-proof motor) and advanced features (electronic control, solenoid valve, auto-reset, self-diagnosis, preset keypad).

Product accessories

Model	Quantity	Specifications
Product	1	/
Motor	1	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	1	/
Tatsuno type flowmeter	1	/
Auto fuel nozzle	1	11A, 3/4"
Black rubber hose	1	length: 6m with couplings
Solenoid valve	1	/
Breakaway valve	1	/
Hose swivels	1	/
Totalizer	1	/
Electronic controller	1	/
Preset keyboard	1	metal material
Display	1	/

All painting body/Package: Standard export carton

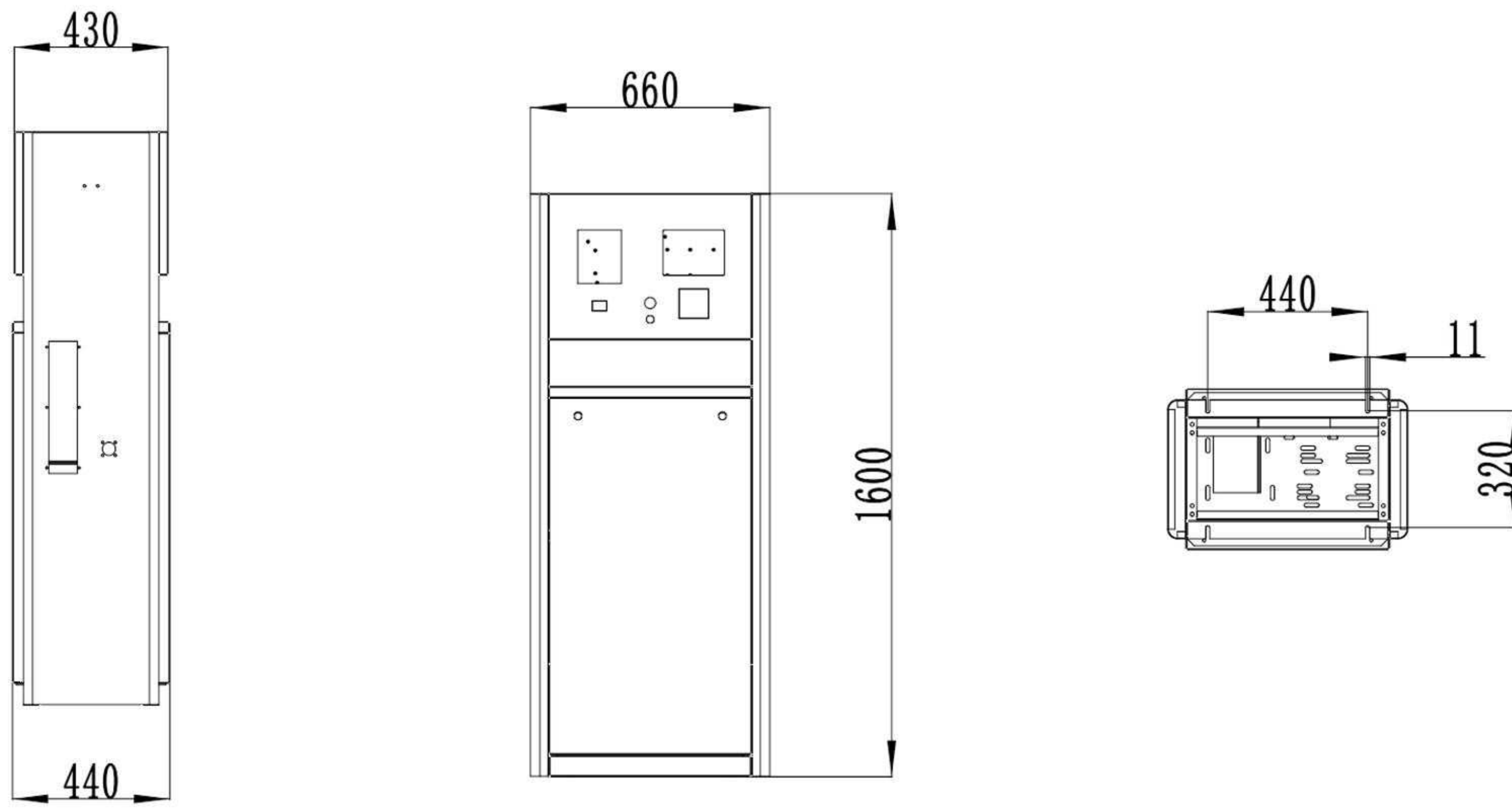
FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Voltage	Accuracy	Repeatability	Flow Rate	Rate Power	Environmental temperature
110V/220V/380V	±0.3%	±0.1%	5~55L/min	0.75/1.1KW	-40℃~+50℃

Optional configuration

Model	Pump	Nozzle Oil Products	Dimension(mm)
AC-160	G: gear pump S: submersible pump V: vane pump	1 hose,1 product,2 displays	Net size:660*440*1600 Package:690*560*1700
		2 hose,2 product,4 displays	Net size:1050 *440*2154.5 Package:1100*560*1700
		4 hose,2 product,4 displays	

Product size



• AC 2221



Product Features

The AC 2221 Big Fuel Dispenser operates on 220V and offers a flow rate of 5-55L/min with ±0.3% accuracy. Suitable for diesel, HVO, XTL, gasoline and kerosene, it features a Tatsuno-type pump and flowmeters. The micro-computer counter displays price, volume and unit price clearly, making it ideal for various fuel management applications.

Product accessories

Model	Quantity	Specifications
Product	2	/
Motor	2	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	2	/
Tatsuno type flowmeter	2	/
Auto fuel nozzle	2	11A, 3/4"
Black rubber hose	2	length: 6m with couplings
Solenoid valve	2	/
Breakaway valve	2	/
Hose swivels	2	/
Totalizer	2	/
Electronic controller	/	/
Preset keyboard	2	metal material
Display	2	/

All painting body/Package: Standard export carton

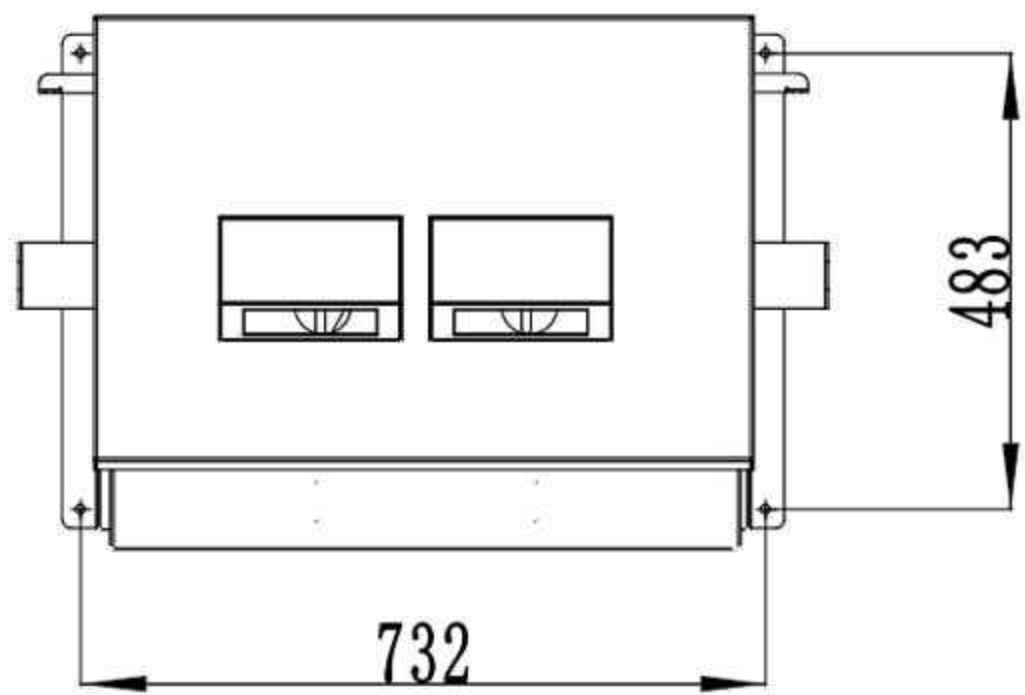
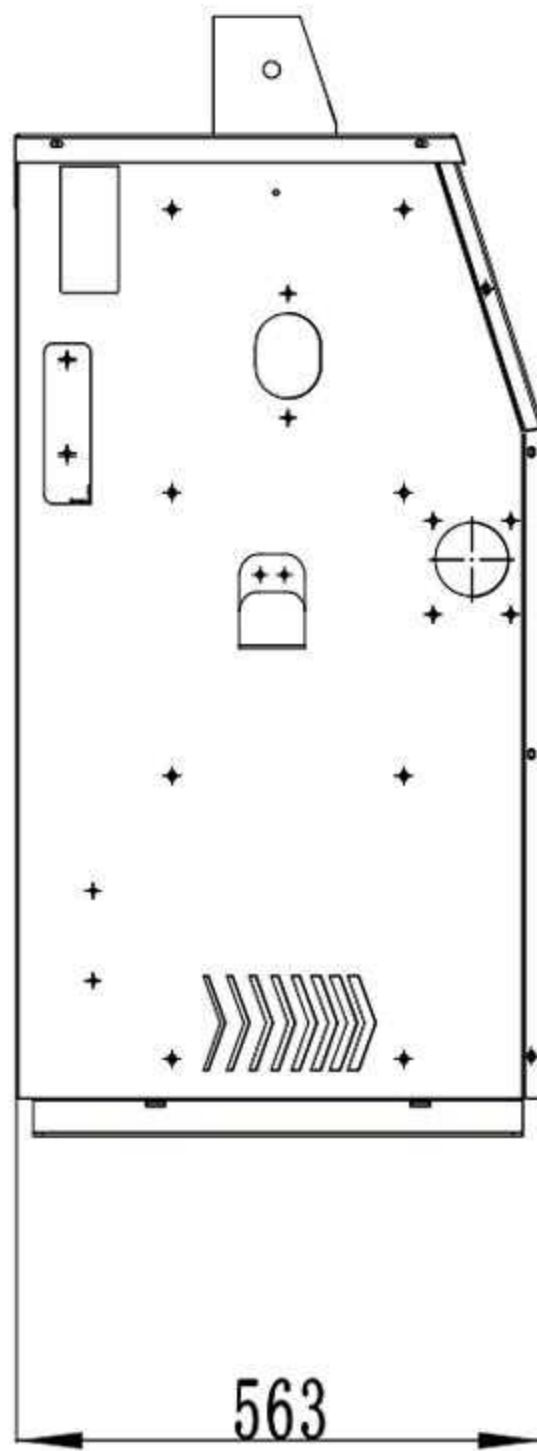
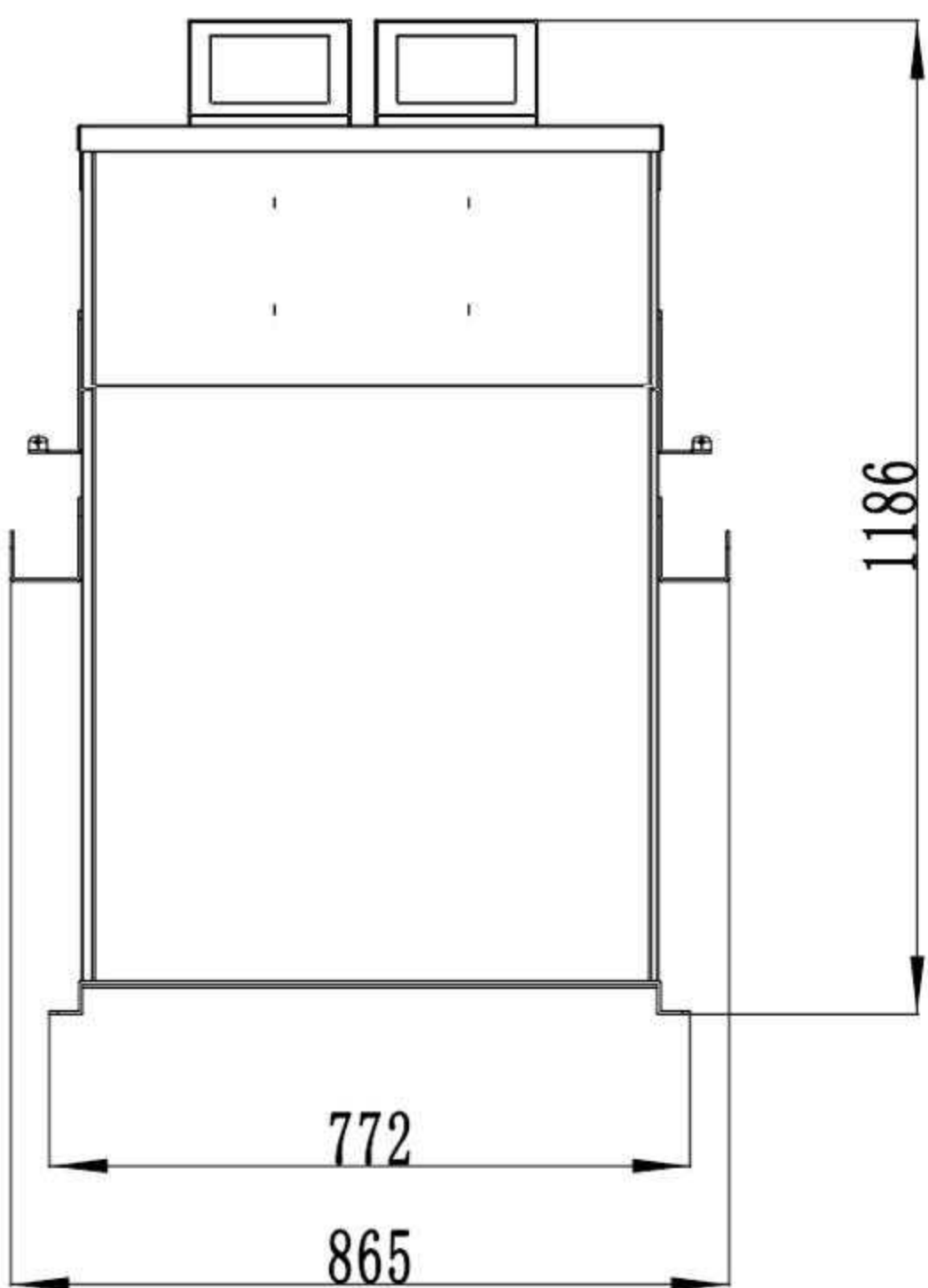
FLUID:Diesel/HVO/XTL | Gasoline | Kerosene

Voltage	Accuracy	Repeatability	Flow Rate	Rate Power	Environmental temperature
110V/220V/380V	±0.3%	±0.1%	5~55L/min	0.75/1.1KW	-40℃~+50℃

Optional configuration

Model	Pump	Nozzle Oil Products	Dimension(mm)
AC 2221	S: submersible pump T: Tastuno pump B: Bennet pump TK:Tokheim pump	1 hose,1 product, 1 displays	Net size:865 *563*1186 Package:985*683*1206
		2 hose, 2 product, 2 displays	

Product size



• AC-424



Product Features

This fuel dispenser fits diesel, gasoline, kerosene, HVO, XTL; offers ±0.3% measurement accuracy, 5-55L/min flow rate; has robust build (Tatsuno gear pump, flowmeter, explosion-proof motor) and advanced functions (electronic control, solenoid valve, auto-reset, self-diagnosis, preset keypad).

Product accessories

Model	Quantity	Specifications
Product	1	/
Motor	1	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	1	/
Tatsuno type flowmeter	1	/
Auto fuel nozzle	1	11A, 3/4"
Black rubber hose	1	length: 6m with couplings
Solenoid valve	1	/
Breakaway valve	1	/
Hose swivels	1	/
Totalizer	1	/
Electronic controller	1	/
Preset keyboard	1	metal material
Display	1	/

All painting body/Package: Standard export carton

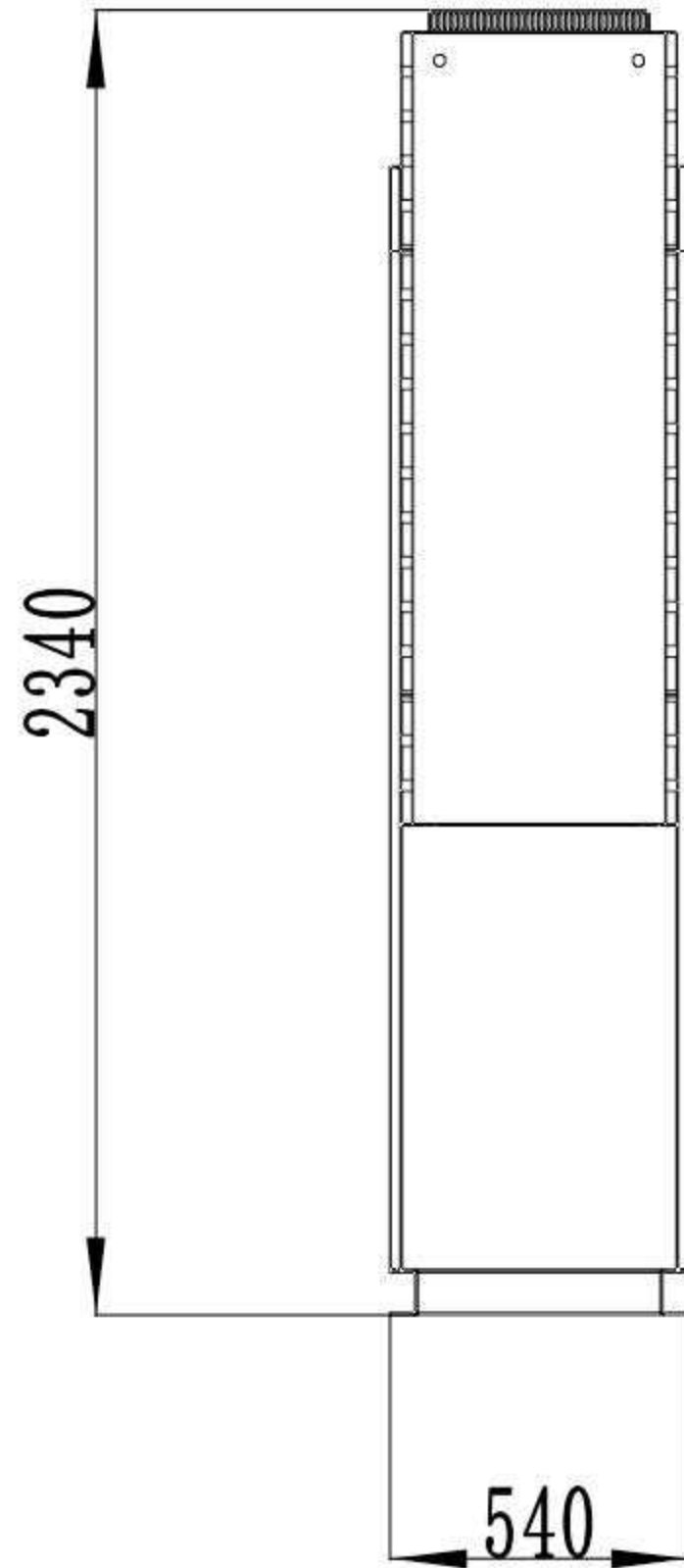
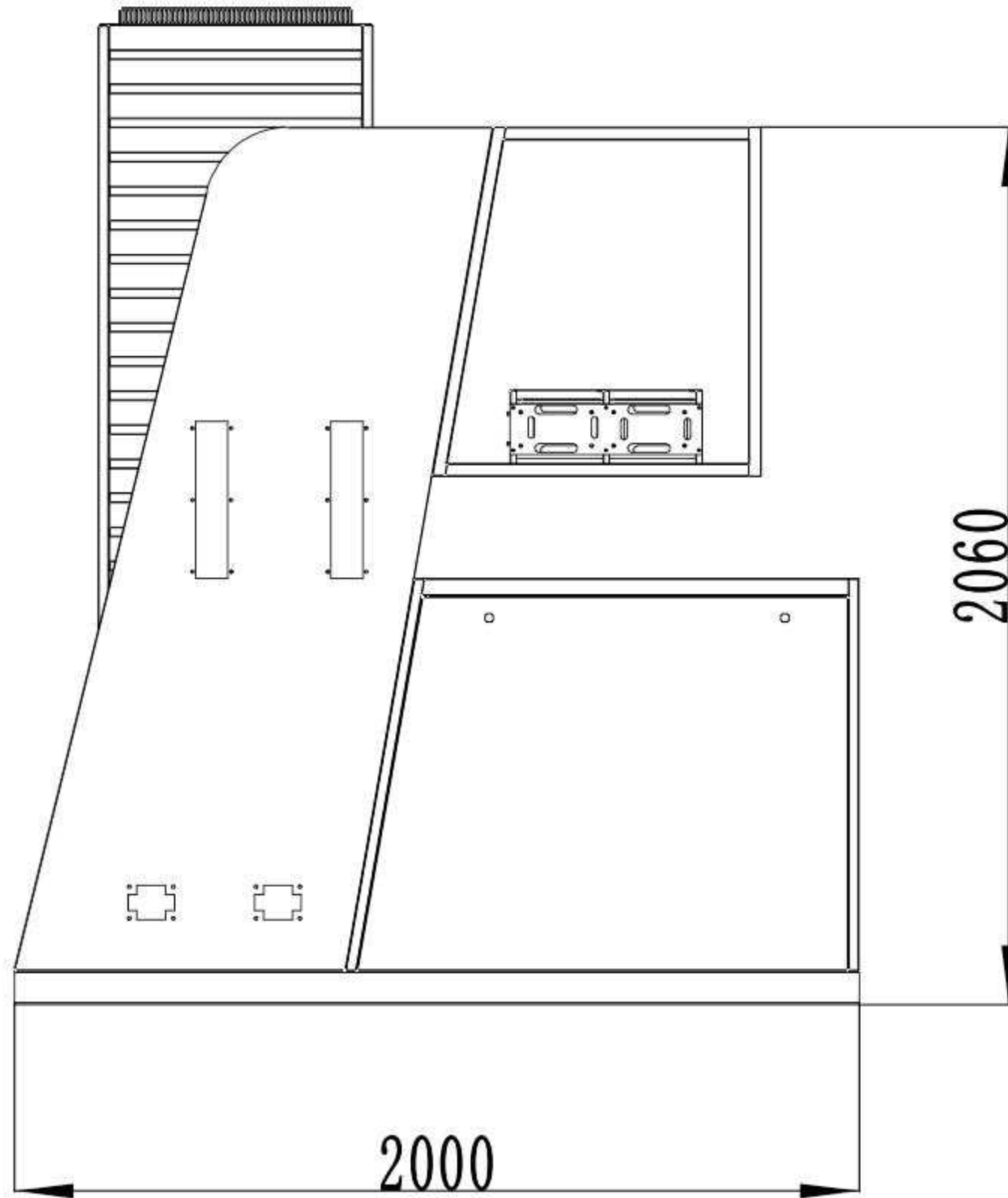
FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Voltage	Accuracy	Repeatability	Flow Rate	Rate Power	Environmental temperature
110V/220V/380V	±0.3%	±0.1%	5~55L/min	0.75/1.1KW	-40℃~+50℃

Optional configuration

Model	Pump	Nozzle Oil Products	Dimension(mm)
AC-424	S: submersible pump T: Tastuno pump B: Bennet pump TK:Tokheim pump	2 hose,2 product,2 displays	Net size:660*440*1600 Package:1200*790*2328
		4 hose,2 product,4 displays	
		6 hose,3 product,6 displays	Net size: 1240*600*2220 Package: 1440*790*2328

Product size



● AC-636



Product Features |

The AC-636 Big Fuel Dispenser operates on 220V and offers a flow rate of 5-55L/min with $\pm 0.3\%$ accuracy. Suitable for diesel, HVO, XTL, gasoline and kerosene, it features a Tatsuno-type pump and flowmeters. The micro-computer counter displays price, volume and unit price clearly, making it ideal for various fuel management applications.

Product accessories |

Model	Quantity	Specifications
Product	3	/
Motor	3	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	3	/
Tatsuno type flowmeter	3	/
Auto fuel nozzle	6	11A, 3/4"
Black rubber hose	6	length: 6m with couplings
Solenoid valve	6	/
Breakaway valve	6	/
Hose swivels	6	/
Totalizer	6	/
Electronic controller	6	/
Preset keyboard	6	metal material
Display	6	/

All painting body/Package: Standard export carton

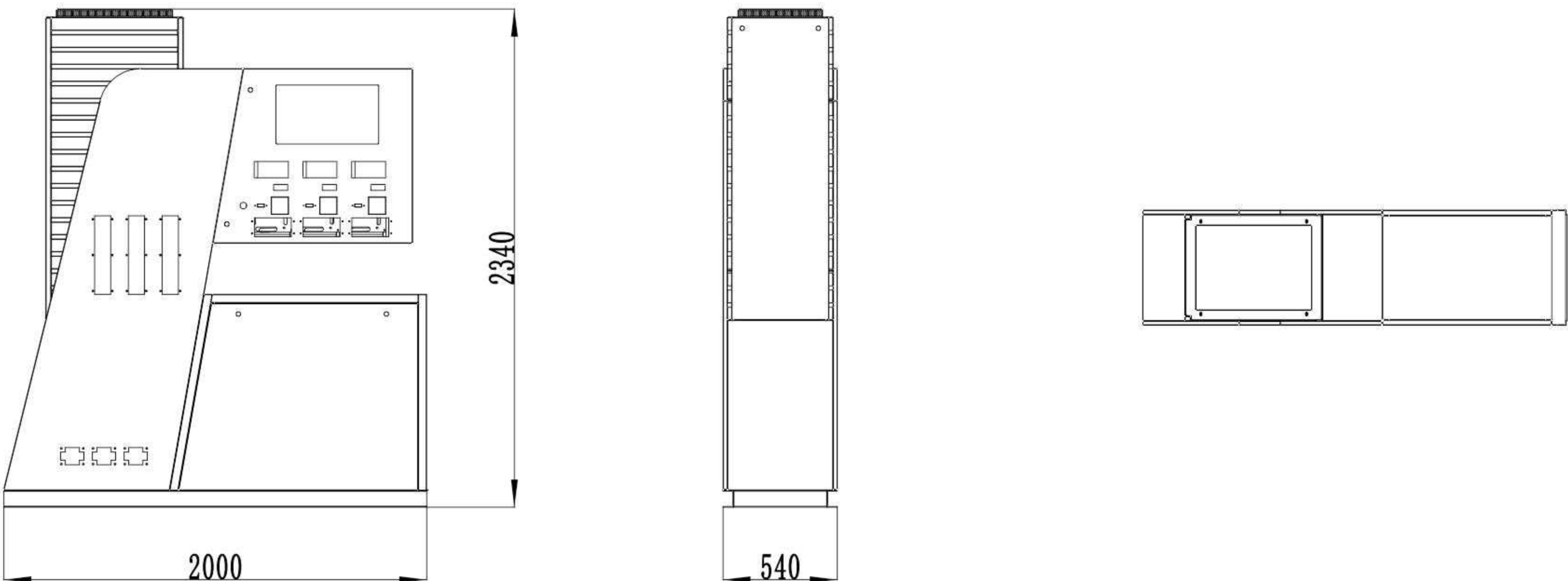
FLUID:Diesel/HVO/XTL | Gasoline | Kerosene

Voltage	Accuracy	Repeatability	Flow Rate	Rate Power	Environmental temperature
110V/220V/380V	$\pm 0.3\%$	$\pm 0.1\%$	5~55L/min	0.75/1.1KW	-40°C~+50°C

Optional configuration |

Model	Pump	Nozzle Oil Products	Dimension(mm)
AC-636	G: gear pump S: submersible pump V: vane pump	2 hose,2 product, 2 displays	Net size:2000 *540*2340 Package:2120*660*2460
		4 hose, 2 product, 4 displays	
		6 hose, 3 product. 6 displays	

Product size |



● GB4241



Product Features |

The GB4241 Big Fuel Dispenser delivers 5-55L/min with $\pm 0.5\%$ accuracy. Its stainless steel construction provides durability for -40°C to +50°C environments. With a digital display, electronic calibration flow meter, and anti-explosion design, it is suitable for diesel, HVO, XTL, gasoline and kerosene in various applications.

Product accessories |

Model	Quantity	Specifications
Product	3	/
Motor	3	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	3	/
Tatsuno type flowmeter	6	/
Auto fuel nozzle	6	11A, 3/4"
Black rubber hose	6	length: 6m with couplings
Solenoid valve	6	/
Breakaway valve	6	/
Hose swivels	6	/
Totalizer	6	/
Electronic controller	6	/
Preset keyboard	6	metal material
Display	6	/

All painting body/Package: Standard export carton

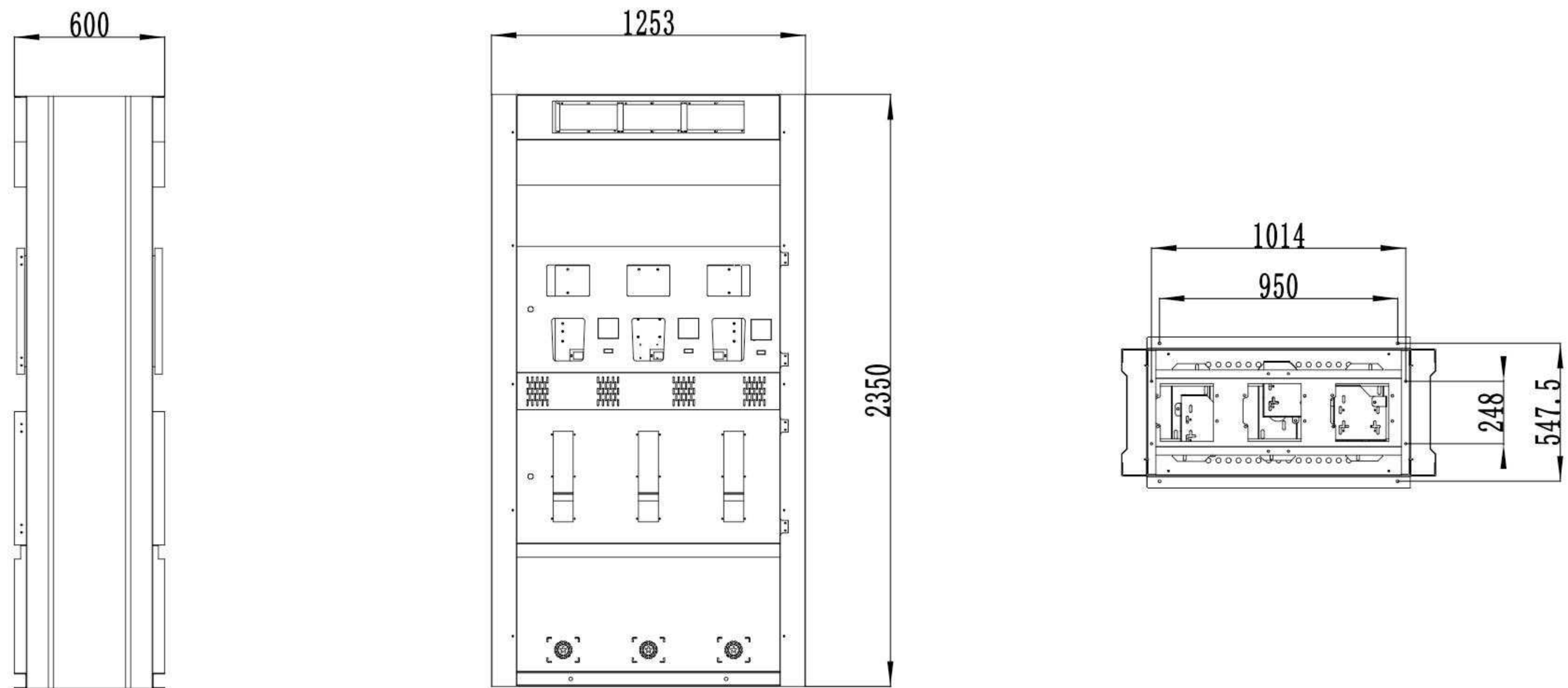
FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Voltage	Accuracy	Repeatability	Flow Rate	Rate Power	Environmental temperature
110V/220V/380V	$\pm 0.3\%$	$\pm 0.1\%$	5~55L/min	0.75/1.1KW	-40°C~+50°C

Optional configuration |

Model	Pump	Nozzle Oil Products	Dimension(mm)
GB4241	S: Submersible pump T: Tastuno pump B: Bennet pump TK:Tokheim pump	2 hose,2 product, 2 displays	Net size:1253*600*2350 Package:1373*720*2370
		4 hose, 2 product, 4 displays	
		6 hose, 3 product. 6 displays	Net size: 1240*600*2350 Package: 1440*720*2370

Product size |



• WN6361



Product Features

The WN6361 Big Fuel Dispenser operates on 220V and offers a flow rate of 5-55L/min with ±0.3% accuracy. Suitable for diesel, HVO, XTL, gasoline and kerosene, it features a Tatsuno-type pump and flowmeters. The micro-computer counter displays price, volume and unit price clearly, making it ideal for various fuel management applications.

Product accessories

Model	Quantity	Specifications
Product	3	/
Motor	3	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	3	/
Tatsuno type flowmeter	6	/
Auto fuel nozzle	6	11A, 3/4" ' "
Black rubber hose	6	length: 4m with couplings
Solenoid valve	6	/
Breakaway valve	6	/
Hose swivels	6	/
Totalizer	6	/
Electronic controller	3	/
Preset keyboard	6	metal material
Display	6	/

All painting body/Package: Standard export carton

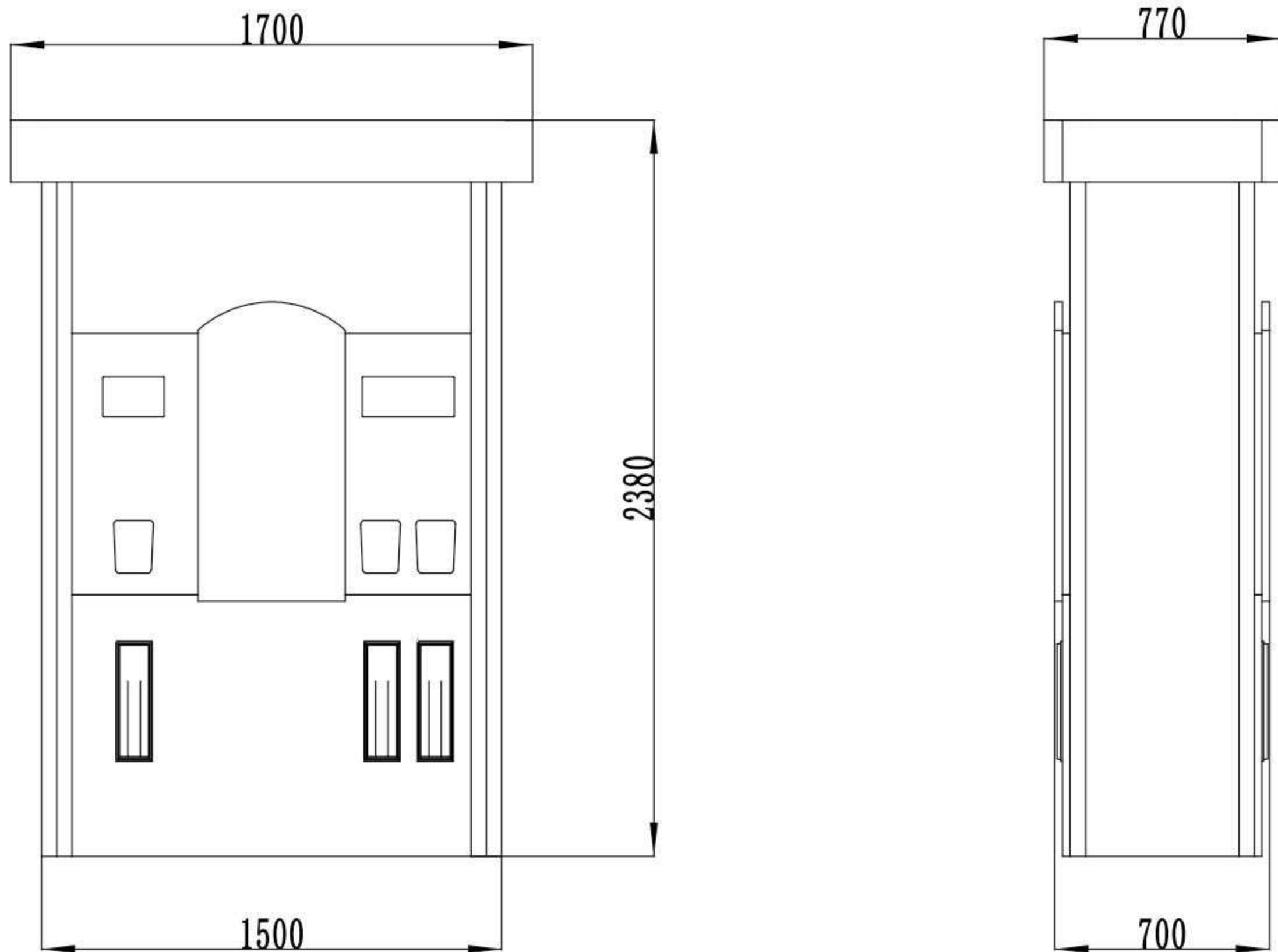
FLUID:Diesel/HVO/XTL | Gasoline | Kerosene

Voltage	Accuracy	Repeatability	Flow Rate	Rate Power	Environmental temperature
110V/220V/380V	±0.3%	±0.1%	5~55L/min	0.75/1.1KW	-40℃~+50℃

Optional configuration

Model	Pump	Nozzle Oil Products	Dimension(mm)
WN6361	S: submersible pump T: Tastuno pump B: Bennet pump TK:Tokheim pump	4 hose, 2 product, 4 displays	Net size:1050 *440*2154.5 Package:1200*790*2328
		6 hose, 3 product. 6 displays	Net size: 1240*600*2220 Package: 1440*790*2328

Product size



• AC-190



Product Features

This fuel dispenser works with diesel, gasoline, kerosene, HVO and XTL, has ±0.3% measurement accuracy, 5-55L/min flow rate, robust construction (Tatsuno gear pump, flowmeter, explosion-proof motor) and advanced features (electronic control, solenoid valve, auto-reset, self-diagnosis, preset keypad).

Product accessories

Model	Quantity	Specifications
Product	1	/
Motor	1	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	1	/
Tatsuno type flowmeter	1	/
Auto fuel nozzle	1	11A, 3/4" "
Black rubber hose	1	length: 6m with couplings
Solenoid valve	1	/
Breakaway valve	1	/
Hose swivels	1	/
Totalizer	1	/
Electronic controller	1	/
Preset keyboard	1	metal material
Display	1	/

All painting body/Package: Standard export carton

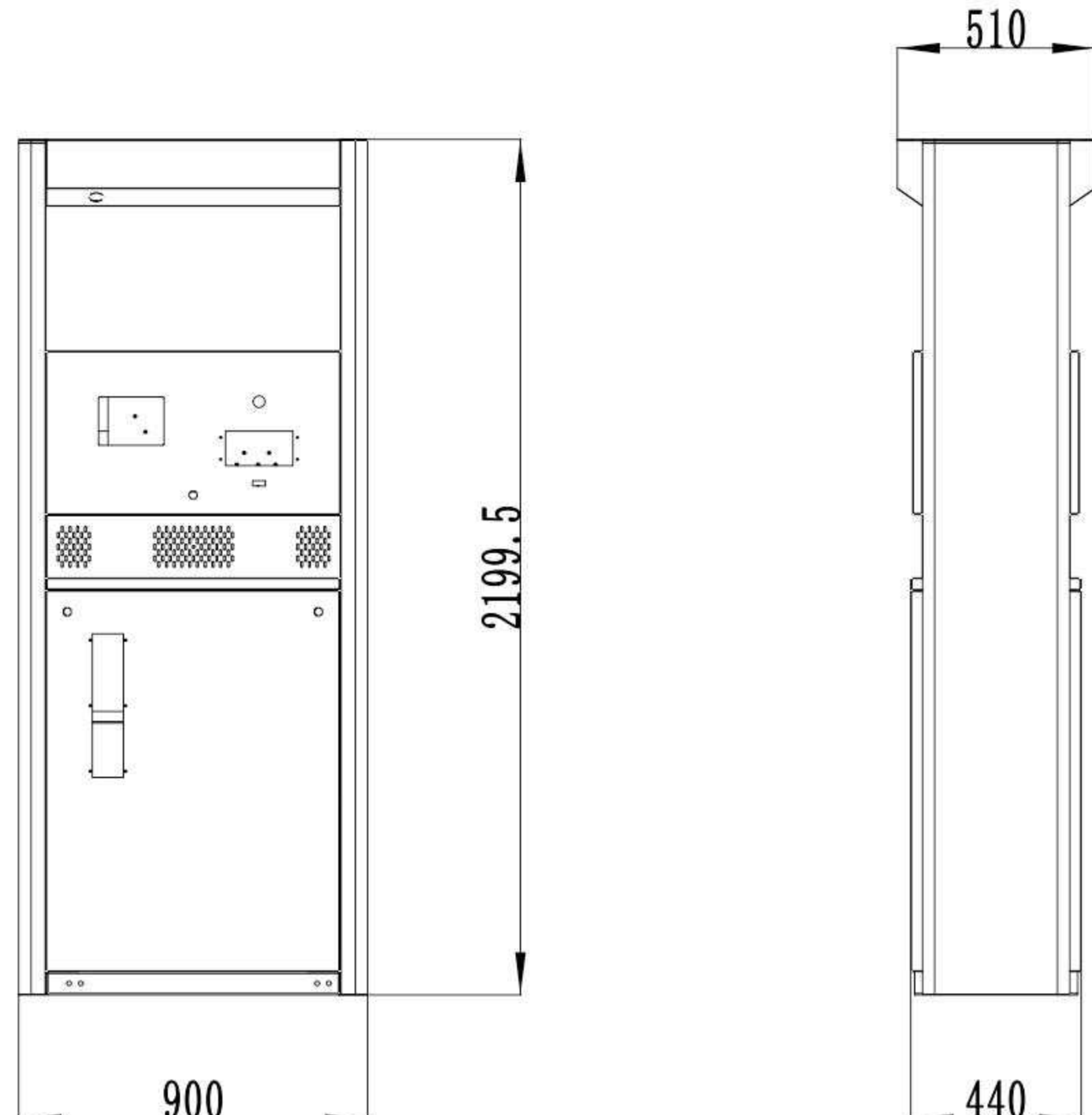
FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Voltage	Accuracy	Repeatability	Flow Rate	Rate Power	Environmental temperature
110V/220V/380V	±0.3%	±0.1%	5~55L/min	0.75/1.1KW	-40℃~+50℃

Optional configuration

Model	Pump	Nozzle Oil Products	Dimension(mm)
AC-220	S: submersible pump T: Tastuno pump B: Bennet pump TK:Tokheim pump	1 hose,1 product,1 displays	Net size:660*440*1600 Package:1200*790*2328
		2 hose,1 product,2 displays	
		4 hose,2 product.,4 displays	Net size: 1240*600*2220 Package: 1440*790*2328

Product size



● AC-135



Product Features

AC-135fuel dispenser with Streamlined appearance design, simple, generous.High precision flowmeter makes metering more accurate and life longer.Large LCD display (with light switch) and stainless steel.can be directly connected to the background computer.Excellent electromagnetic compatibility and anti-interference performance.Rainproof, moisture-proof, sand-proof and explosion-proof.Can also personalized function high-end customization.

Product accessories

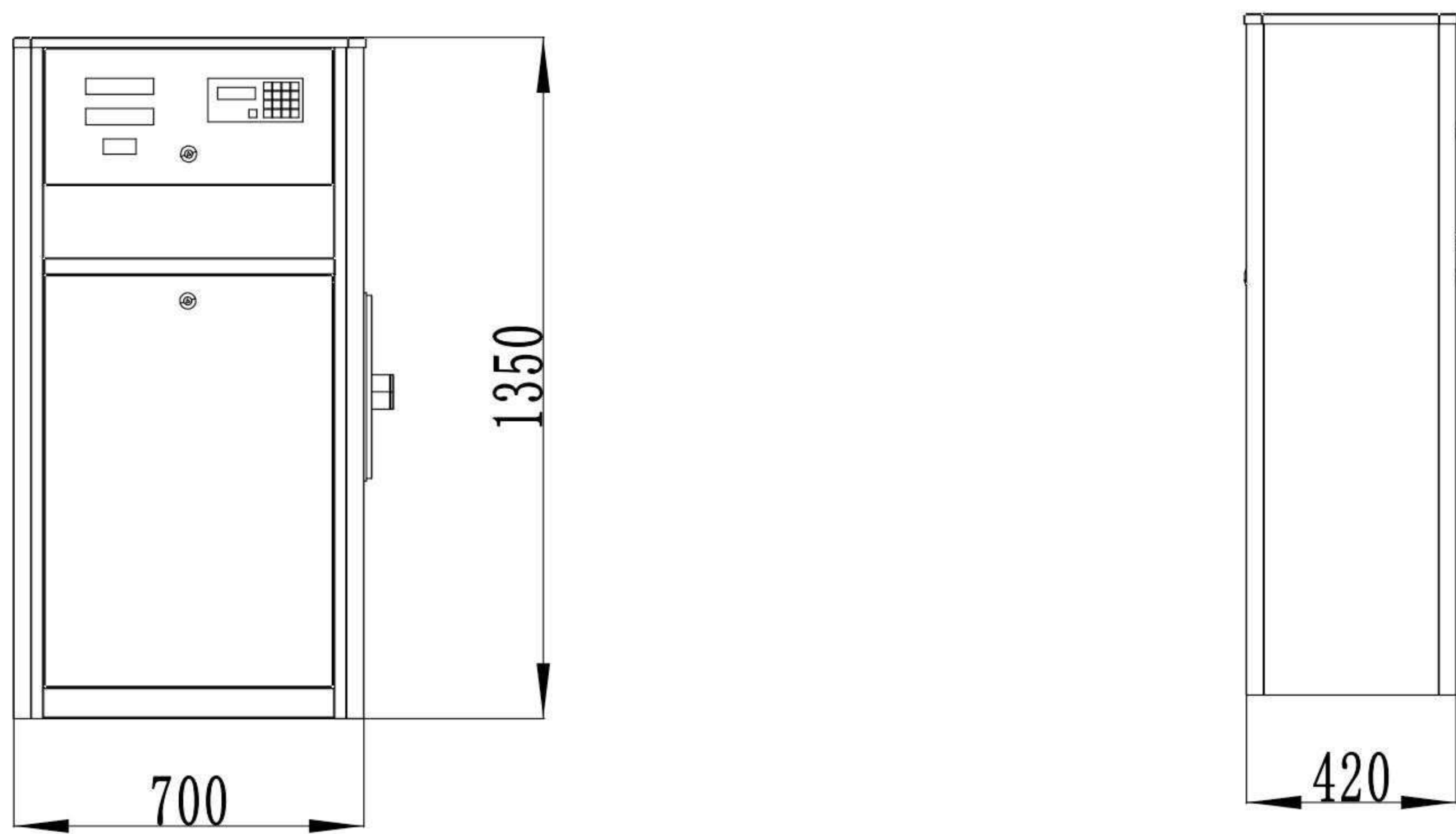
Model	Quantity	Specifications
Pump	1	ZBY-50/80
Sensor	1	MD212
Flow meter	1	RSJ65-85
Fuel nozzle	1	AC-120
Oil Inlet Pipe	1	6m
Oil outlet pipe	1	2m
Solenoid valve	1	M2507
Electrical machinery	1	Motor50/380V

All painting body/Package: Standard export carton

FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Model	Power	Voltage	Flow rate	High Accuracy	Suction Lift	Head
AC-135	750W	220V/380V	60L/min	±0.5%	5m	15m

Product size



● AC-165



Product Features

This equipment boasts versatile fluid compatibility, making it suitable for diesel, gasoline, kerosene, HVO, and XTL. It delivers high accuracy with precise fuel measurement that achieves an accuracy of ±0.3%, along with a moderate flow rate capable of dispensing fuel at 5 to 55 liters per minute. Constructed robustly, it features a Tatsuno type gear pump, flowmeter, and explosion-proof motor. Additionally, it comes equipped with advanced features including electronic control, a solenoid valve, automatic reset, self-diagnosis, and a preset keypad.

Product accessories

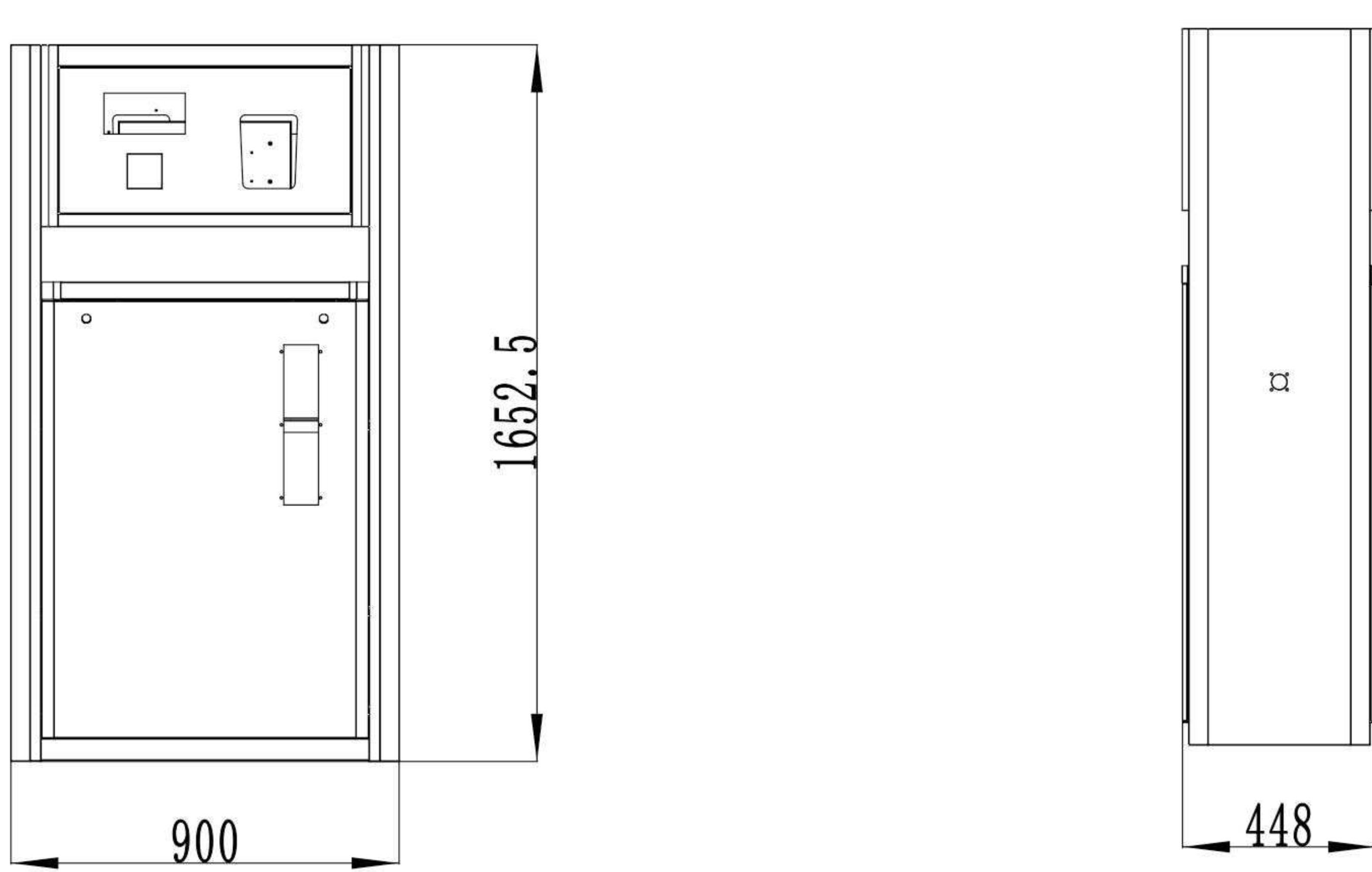
Model	Quantity	Specifications
Pump	1	ZBY-50/80
Sensor	1	MD212
Flow meter	1	RSJ65-85
Fuel nozzle	1	AC-120
Oil Inlet Pipe	1	6m
Oil outlet pipe	1	2m
Solenoid valve	1	M2507
Electrical machinery	1	Motor50/380V

All painting body/Package: Standard export carton

FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Model	Power	Voltage	Flow rate	High Accuracy	Suction Lift	Head
AC-165	750W	220V/380V	60L/min	±0.5%	5m	15m

Product size



• **Gtank-1000L** Fuel station



Product Features

This mini fuel station integrates fuel tank, fuel dispenser and fuel management system. It is a perfect solution for people who don't want to go to refuel vehicles off site or own a fuel station and start business in a short time.
No matter how big or small your business is, this mini fuel station can help you save time, effort and money.

FLUID: Biodiesel | Gasoline | Kerosene

Voltage	Accuracy	Power	Flow Rate
220V or 380V	±0.1%	750W	5~55L/min

Optional configuration

Volume	Hose	Products	Pump
Gtank-1000L	1or2	2 hose,2 product, 2 displays	T: Tastuno pump B: Bennet pump V: Vane pump TK:Tokheim pump
Gtank-2000L	2or4	4 hose, 2 product, 4 displays	

About This Product

What capacity of this mobile fuel station do you have except 1000L?

- We can customize the capacity of this mini fuel station from 1000L – 60000L according to your requirement

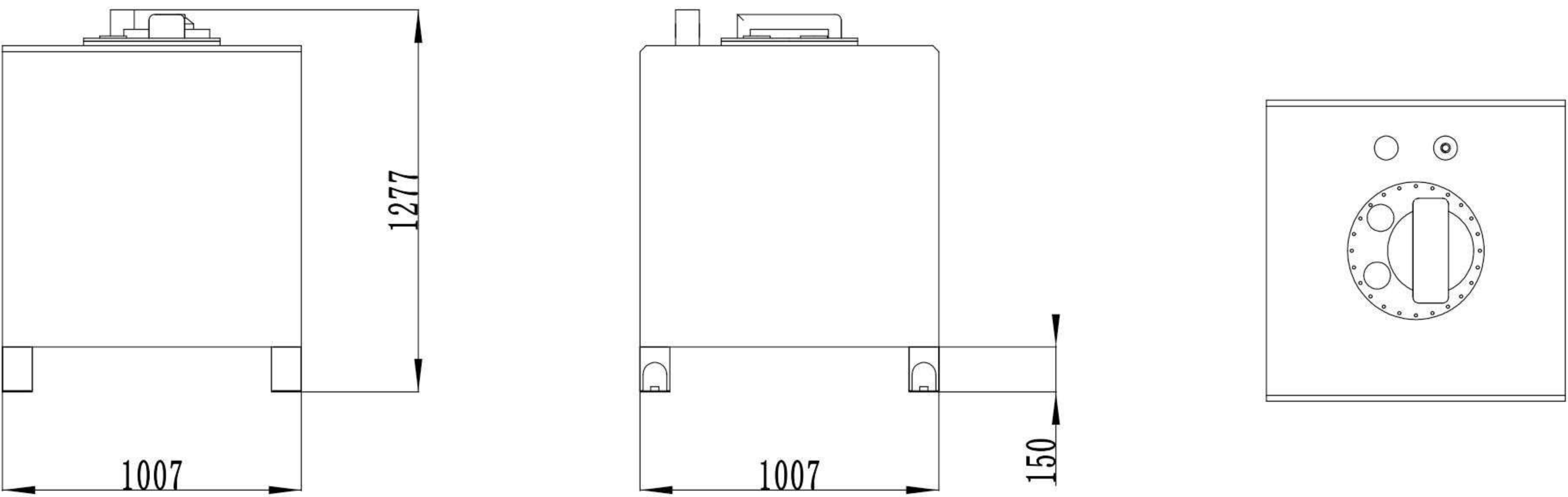
Can I put my logo on the surface of the tank?

- Sure, just contact us and we can discuss the details together.

Are your tank single walled or double walled?

- Our standard type is single walled. But we can produce double wall tank if you need as well.

Product size



• **Gtank-5000L** Fuel station



Product Features

This mini fuel station integrates fuel tank, fuel dispenser and fuel management system. It is a perfect solution for people who don't want to go to refuel vehicles off site or own a fuel station and start business in a short time.
No matter how big or small your business is, this mini fuel station can help you save time, effort and money.

FLUID: Biodiesel | Gasoline | Kerosene

Voltage	Accuracy	Power	Flow Rate
220V or 380V	±0.5%	750W	10~60L/min

Optional configuration

Volume	Hose	Products	Weight
Gtank-5000L	1or2	2 hose,2 product, 2 displays	T: Tastuno pump V: Vane pump B: Bennet pump TK:Tokheim pump

About This Product

What capacity of this mobile fuel station do you have except 1000L?

- We can customize the capacity of this mini fuel station from 1000L – 60000L according to your requirement

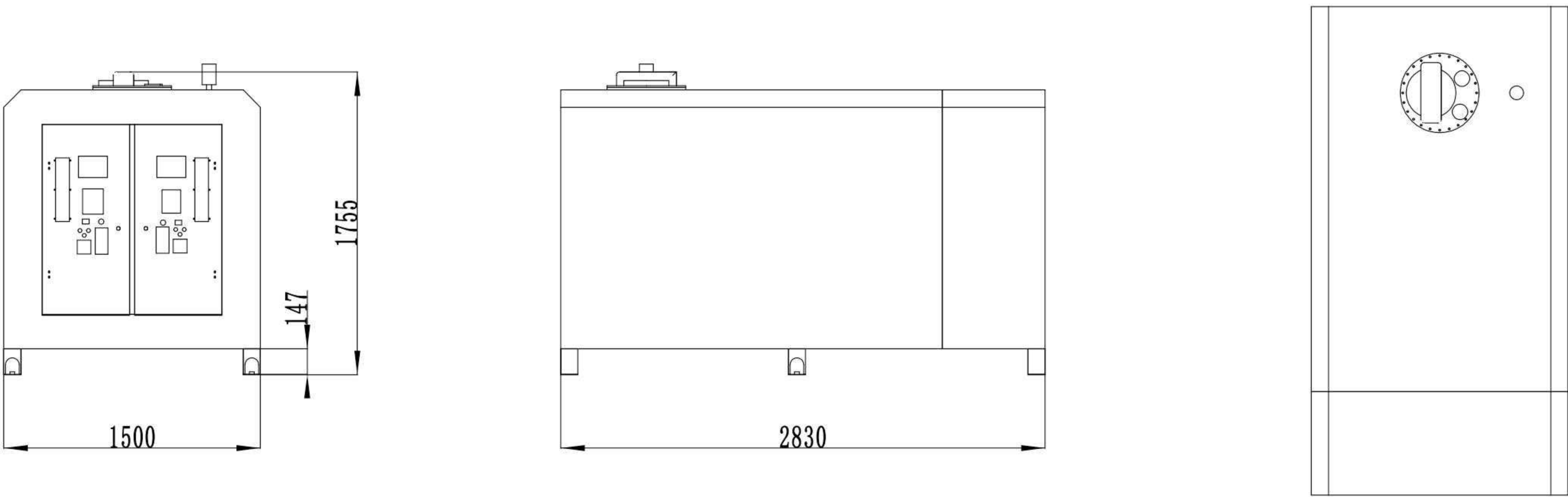
Can I put my logo on the surface of the tank?

- Sure, just contact us and we can discuss the details together.

Are your tank single walled or double walled?

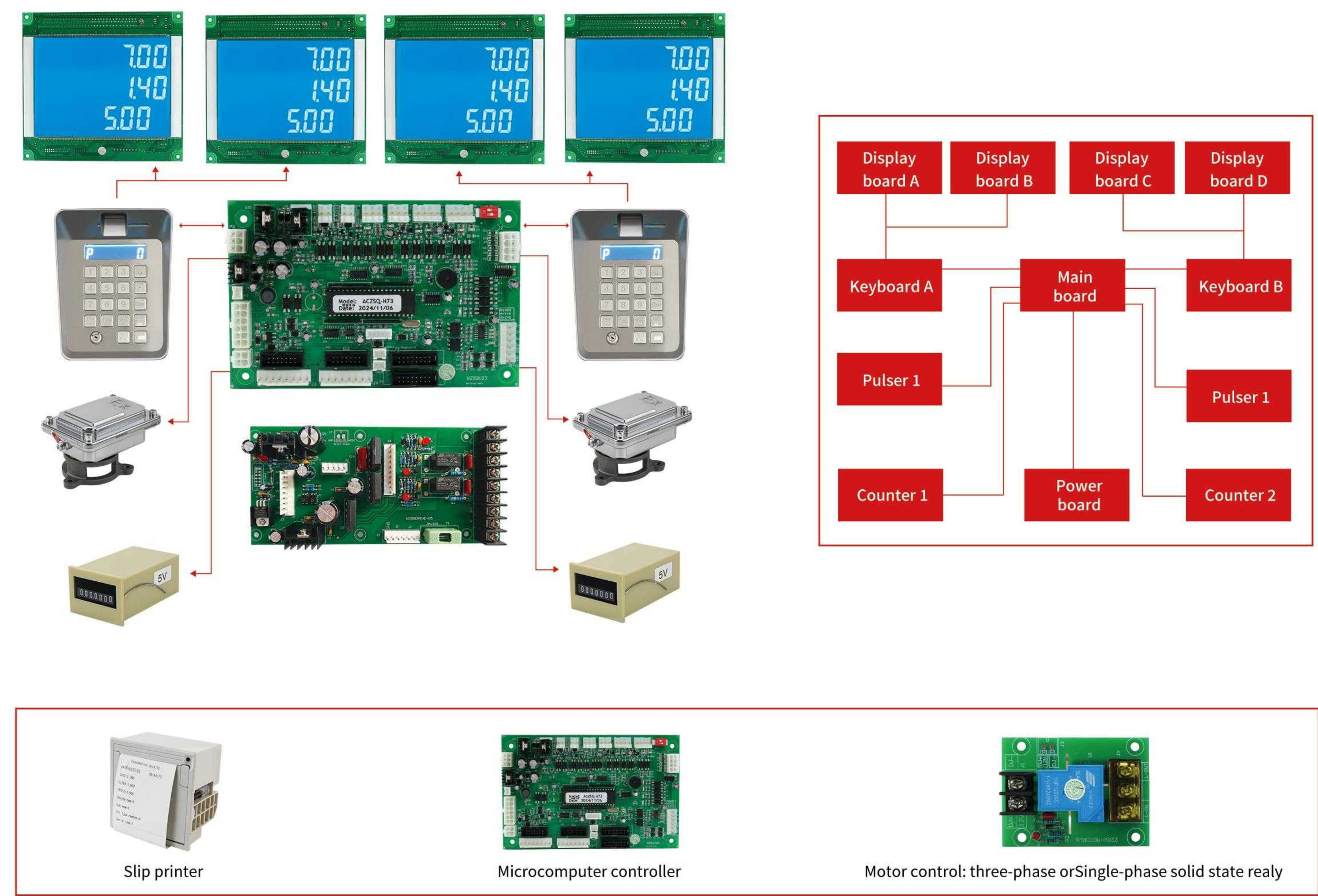
- Our standard type is single walled. But we can produce double wall tank if you need as well.

Product size



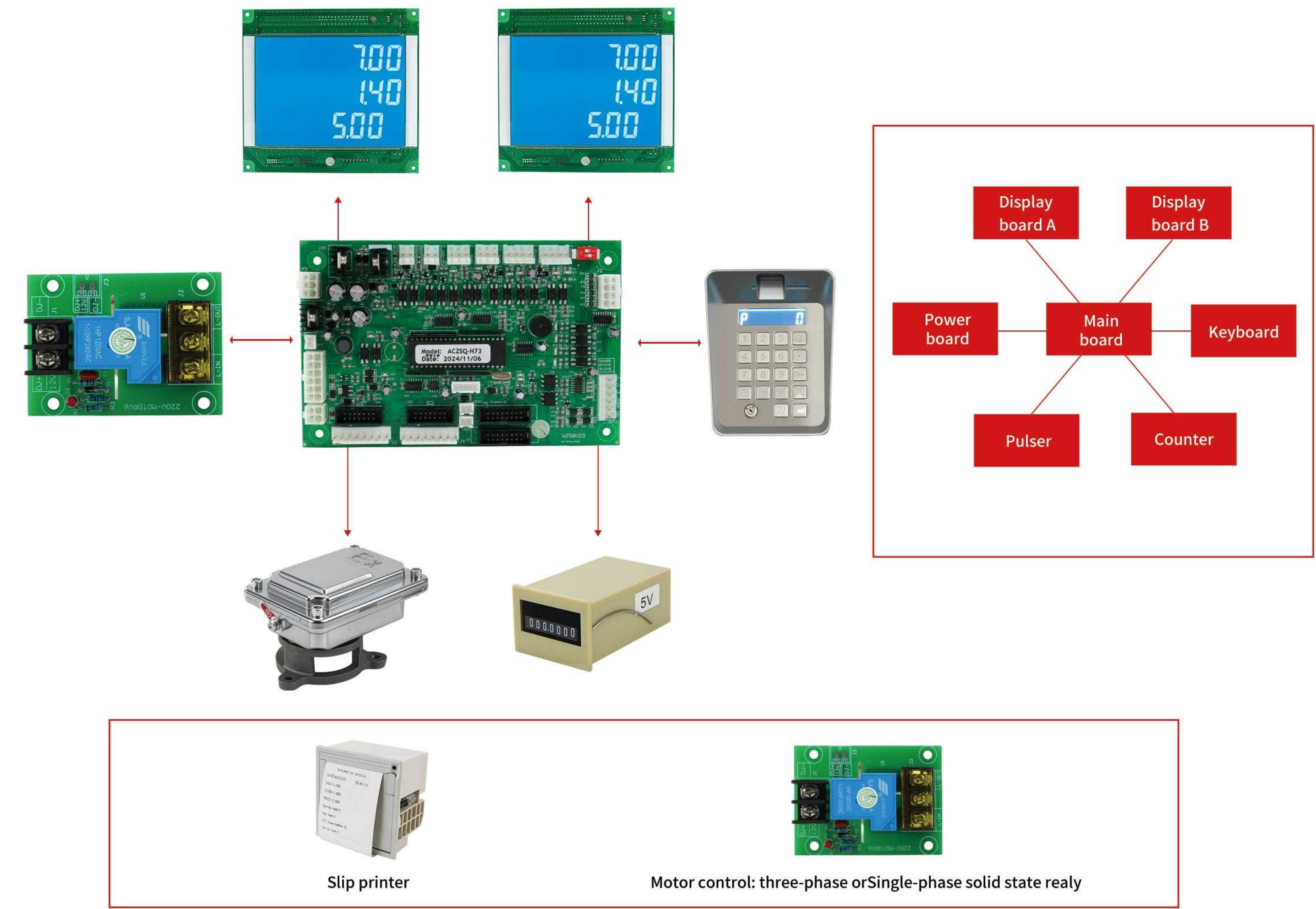
CONTROLLER

The main board of a fuel dispenser is the core control component. It connects to keyboards to receive operation instructions, display boards to show fueling information like amount and volume, pulsers and counters for accurate fuel measurement, and a power board for stable power supply, coordinating all parts to ensure smooth and precise fueling.



Product Features

- Working Ambient:**
- 1.Adapt temperature:-40°C-+55°C
 - 2.Relative Humidity: <95%
 3. Air pressure: 86kpa-106kpa
- Power:**
- 1. Voltage:** AC220V + 20%
AC380V+20%
AC110V±20%
- Frequency:** (50±1)HZ
(60± 1)HZ
- Unit price setting range: 0-9999,0-999999(changeable)
 - Single range:1-9999.99,1-999999.99(changeable)
 - Accumulative range:0-9999999999.99
 - Solenoid valve turn off setting range: 0-0.99 liter
 - Electronic Calibration
 - Function of locking pump
 - Fueling time limit function
 - Can set the decimal point for the display, so can be used in manycountry with different currency rate
 - Can choose voice and printer
 - can choose 7 digits for electromagnetic counter or g digits formechnical totalizer counter
 - Leaves the communication ports, so it can communicate with the gasstation managements system



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• Liquid level instrument



Product Features

This liquid level instrument serves as the interface for user operation and display, as well as the center for data processing and recording. Its main components include a power module, a core motherboard, a touch display board, and a safety barrier. The power module provides a safe voltage and current to the entire system through voltage reduction.

Product accessories

Model	Quantity	Specifications
Product	1	/
Motherboard	1	/
LED	1	/
Electronic controller	1	/
Cable	1	length:1m
Probe	1	/

All painting body/Package: Standard export carton

Applicable medium: gasoline, diesel, kerosene, light oil, heavy oil, alcohol...

Voltage	Weight	Atmospheric pressure	Humidity	Environmental temperature
220V	5.9KG	86~106KPa	45%~75%	-20°C~+60°C

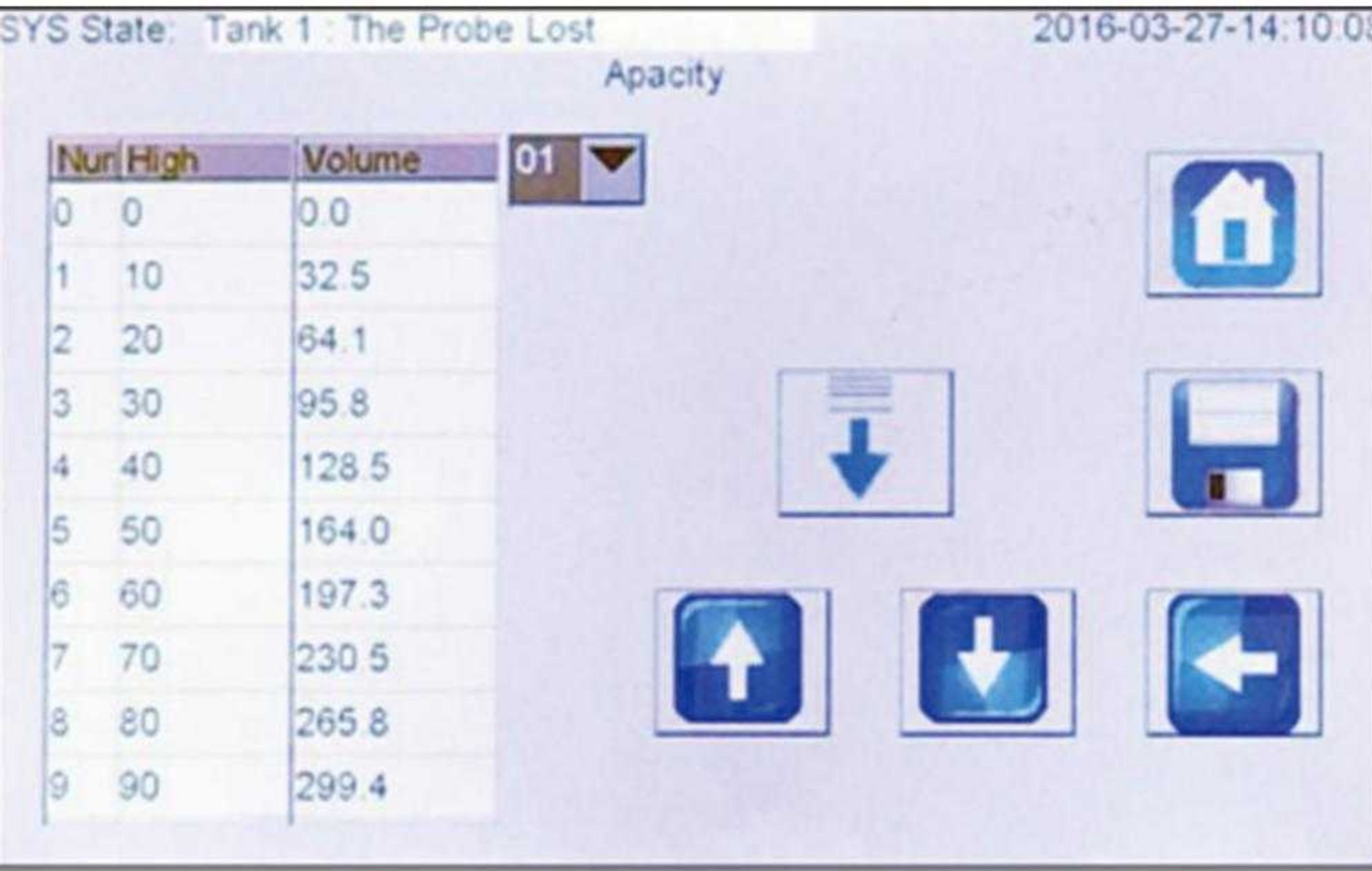
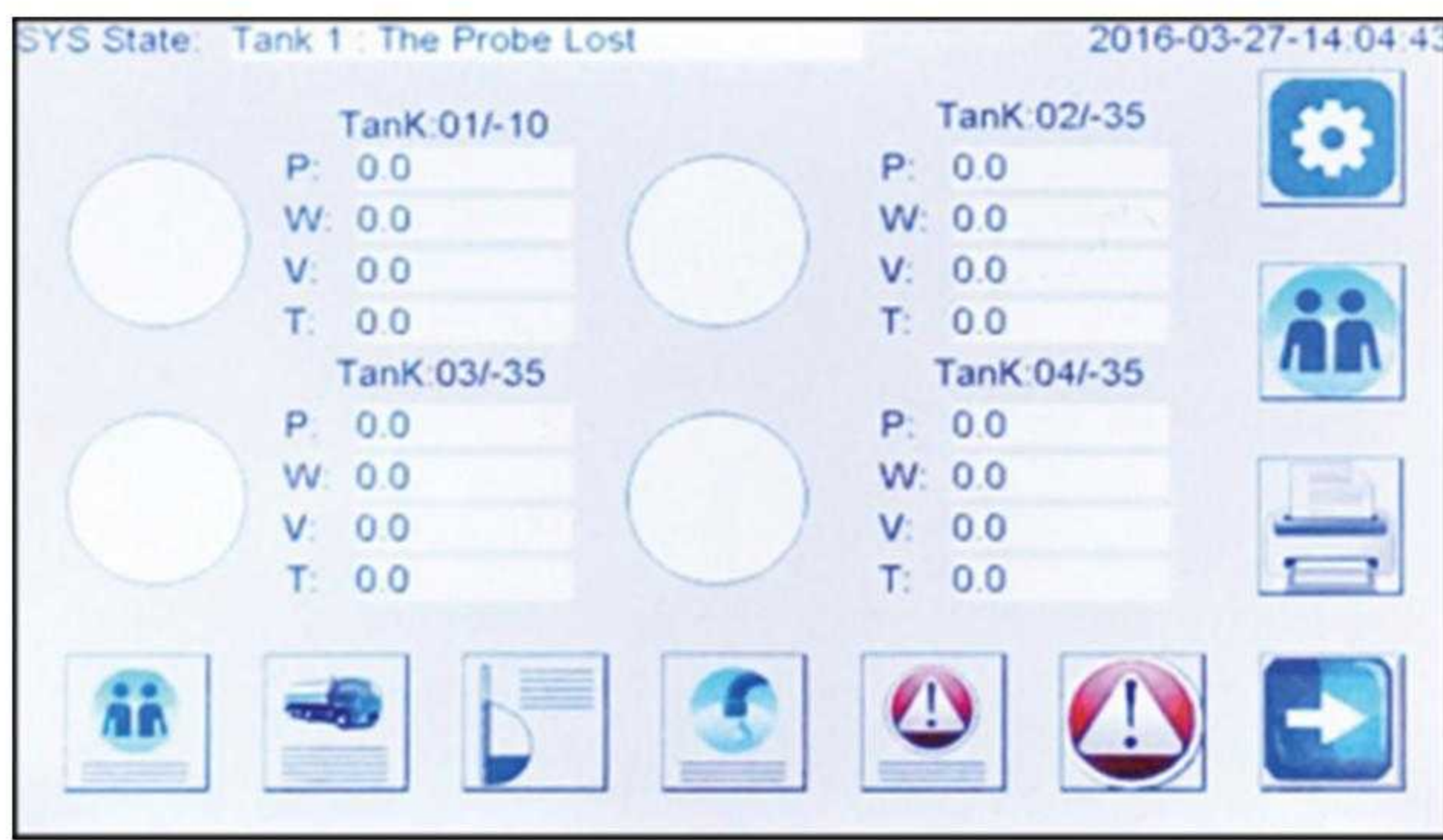
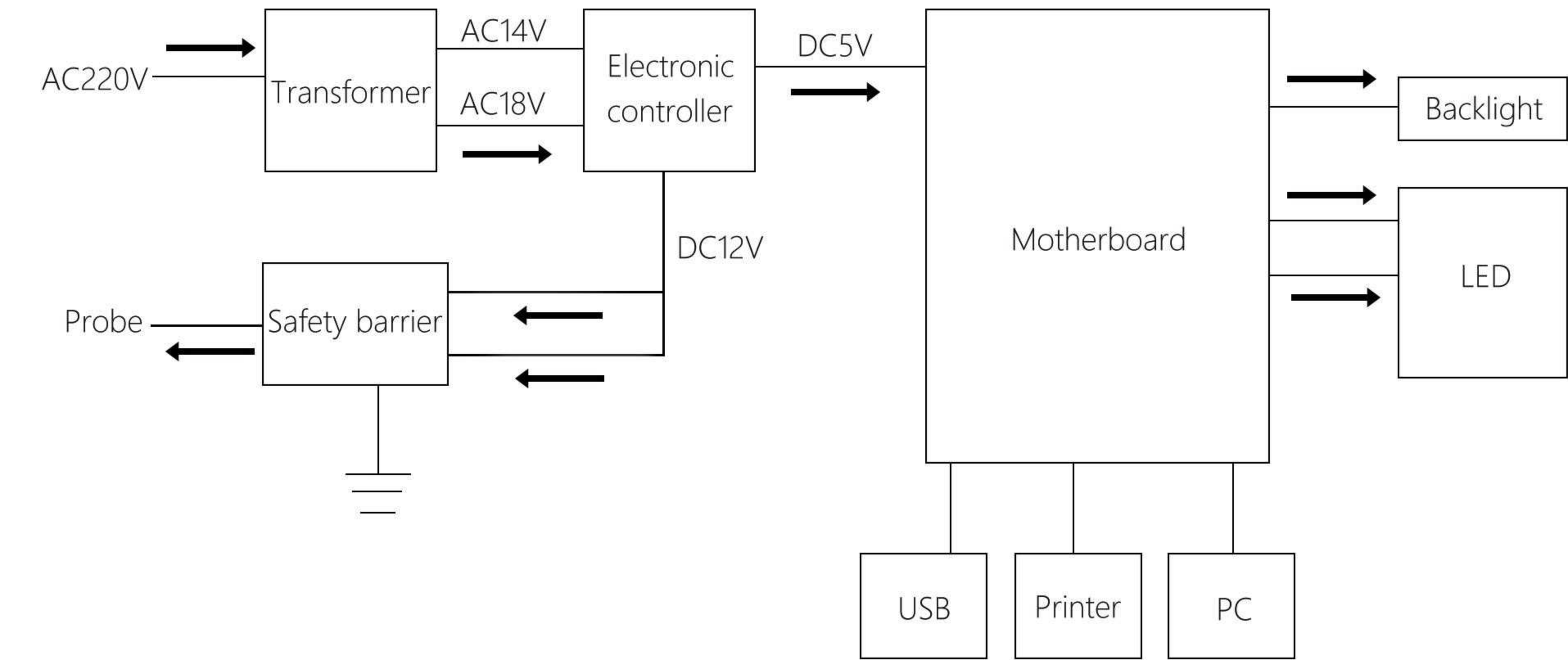
About This Product

How does this product operate?

- Place the probe into the fuel oil to be tested, and the liquid level gauge will start working via its internal structure, providing real-time liquid level data feedback to your PC. The system can automatically generate records such as fuel leakage test records, alarm records, fuel filling records, fuel storage records, and shift handover records, which can also be printed out. Additionally, the system is equipped with a built-in voice alarm and an external sound-and-light alarm, enabling users to perform timely maintenance on the gas station.

Product details

- Large capacity data storage
- Supports WiFi and 4G networking
- The farthest communication distance is 1200 meters



▲ System page display

• Probe



AC-ST01

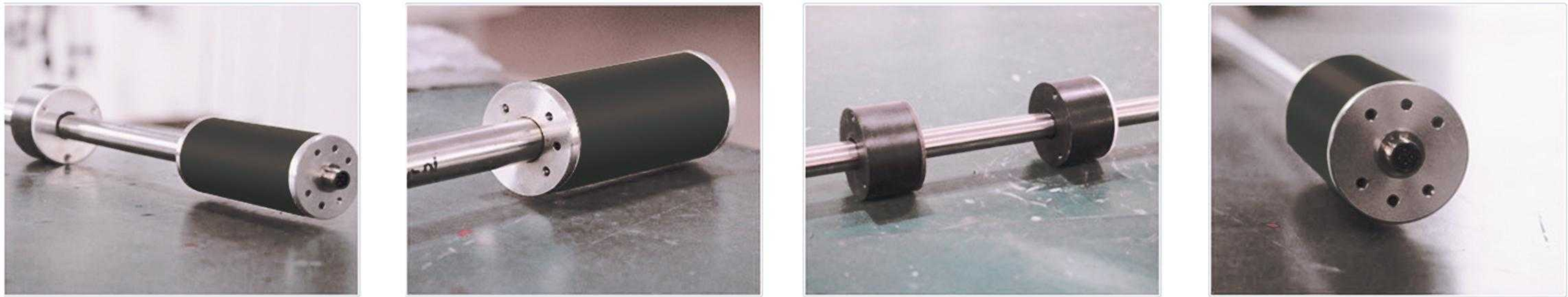
Product Features

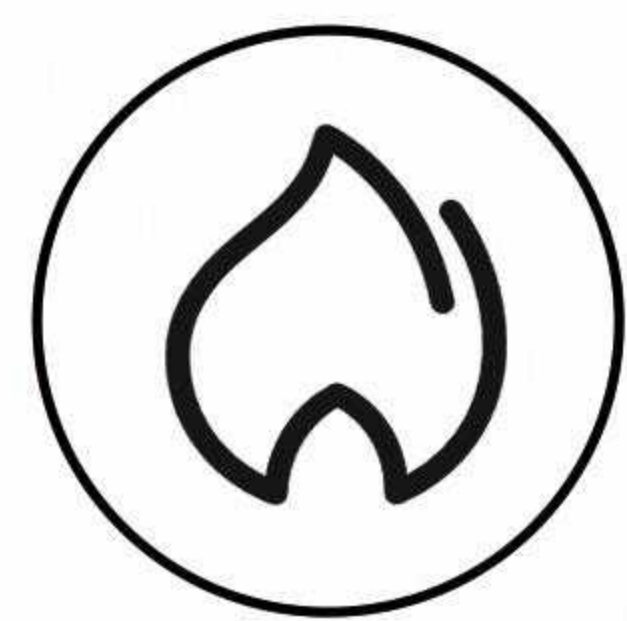
This probe features stretchability, and its length can be adjusted based on the requirement for measuring liquids of different densities, enabling it to transmit data accurately to our liquid level gauge.

Applicable medium: gasoline, diesel, kerosene, light oil, heavy oil, alcohol

Measurement range	Repeatability accuracy	Maximum distance
200mm~7000mm	±0.2mm	1200mm
Oil level resolution	Water level resolution	Operating temperature
0.01mm	0.01mm	-40°C~+60°C

Product details





Lpg Series

An LPG gas station, also known as a liquefied petroleum gas filling station, is a dedicated facility for refueling the gas cylinders of gas - powered vehicles with automotive liquefied petroleum gas. Its English name is "automobile LPG filling station". It occupies a unique and important position in the energy supply system, especially providing clean and efficient fuel refueling services for taxis, buses and some commercial vehicles.

Storage Area: Tanks for LPG storage, residual liquid tanks, and protective walls (ensuring no leakage/corrosion).

Compressor Room: Compressors and motors for LPG transfer and pressurization.

Filling Island: Equipped with LPG dispensers for vehicle refueling.

Support Facilities: Lightning rods, fire-fighting equipment, and power distribution systems.



Natural gas



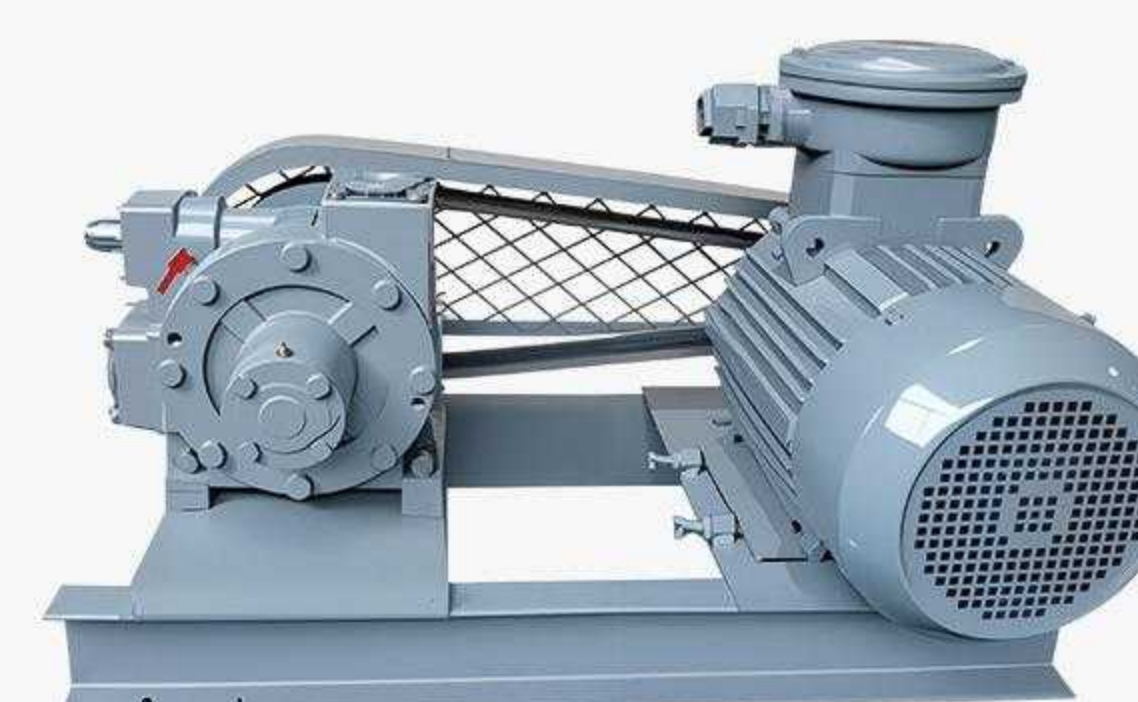
AC-LPG-230



AC-LPG-200



LPG-MP65/85



LPGVP-2000



LPGS01



LPGFM01



LPG NOZZLE



LPG VALVE

● AC-LPG-230



Product Features

LPG dispensers have the advantages of a thick and stable appearance, long service life, and high fuel metering accuracy, hot sales all over the world.

The LPG dispenser is generally a complete liquid volume measuring system composed of main components such as a gas separator, LPG flow meter, LPG Differential valve, LPG Solenoid valve, LPG Manometer, electronic controller, LPG sight, LPG nozzle, etc.

Product accessories

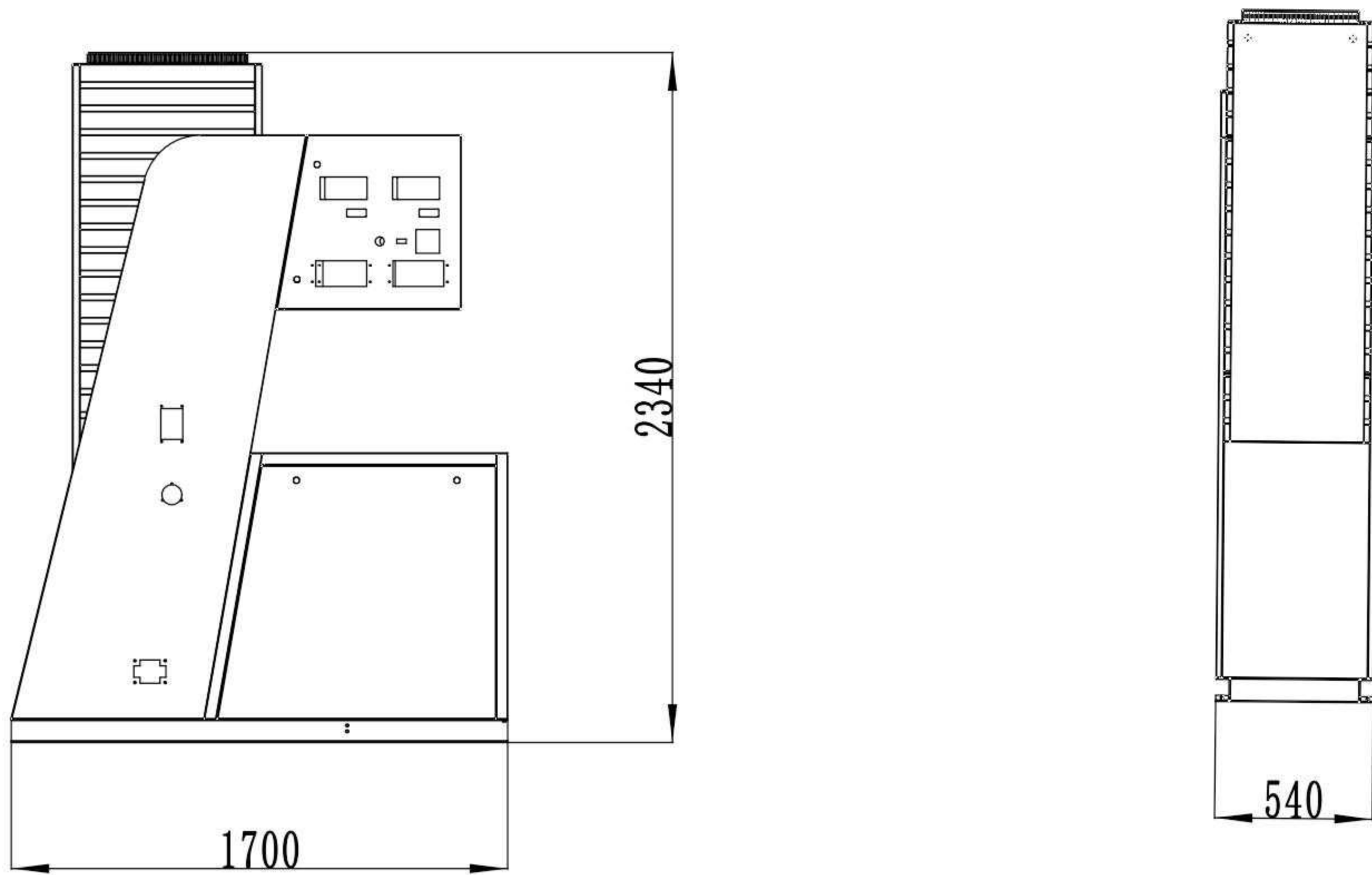
Model	Quantity	Specifications
Product	2	/
Motor	2	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	2	/
Tatsuno type flowmeter	4	/
Auto fuel nozzle	4	11A, 3/4"
Black rubber hose	4	length: 4m with couplings
Solenoid valve	4	/
Breakaway valve	4	/
Hose swivels	4	/
Totalizer	4	/
Electronic controller	4	/
Preset keyboard	4	metal material
Display	4	/

All painting body/Package: Standard export carton

FLUID: Filter

Voltage	Accuracy	Repeatability	Flow Rate	Rate Power	Environmental temperature
110V/220V/380V	±0.3%	±0.3%	10~60L/min	0.75/1.1KW	-40℃~+50℃

Product size



● AC-LPG-200



Product Features

This type LPG dispenser has the advantages of a thick and stable appearance, long service life, and high fuel metering accuracy, hot sales all over the world.

The LPG dispenser is generally a complete liquid volume measuring system composed of main components such as a gas separator, LPG flow meter, LPG Differential valve, LPG Solenoid valve, LPG Manometer, electronic controller, LPG sight, LPG nozzle, etc.

Product accessories

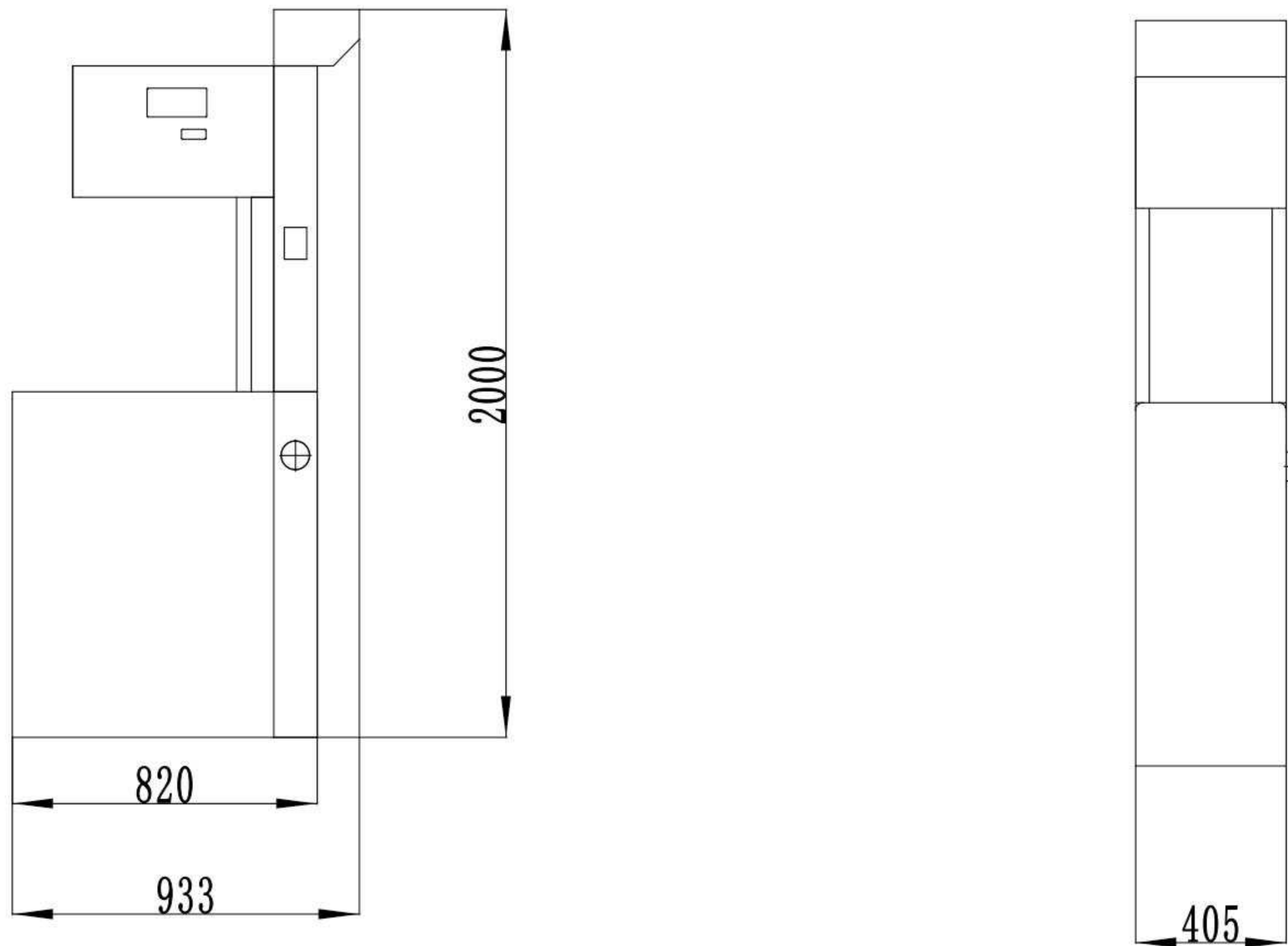
Model	Quantity	Specifications
Product	2	/
Motor	2	50Hz/60HZ 0.75kW/1.1kw
Tatsuno type gear pump	2	/
Tatsuno type flowmeter	4	/
Auto fuel nozzle	4	11A, 3/4"
Black rubber hose	4	length: 4m with couplings
Solenoid valve	4	/
Breakaway valve	4	/
Hose swivels	4	/
Totalizer	4	/
Electronic controller	4	/
Preset keyboard	4	metal material
Display	4	/

All painting body/Package: Standard export carton

FLUID: Filter

Voltage	Max flow rate	Working Temperature	Measurement	Working pressure	Rating power
AC220V 50HZ	0-45L/min	±0.3%	10~60L/min	0.75/1.1KW	<100W

Product size



• AC-LPG-185



Product Features

This LPG dispenser is mainly composed of components such as a filtration system, flow meter, display device, and gas filling nozzle. The outer shell is made of stainless steel. Here are its main technical parameters

- Filter: Filters impurities in LPG to ensure the normal operation of the flow meter and the solenoid valve, and prolong the service life of the equipment
- Flow meter: Used to precisely measure the amount of LPG being added, there are various types such as volumetric type, etc., to ensure accurate measurement

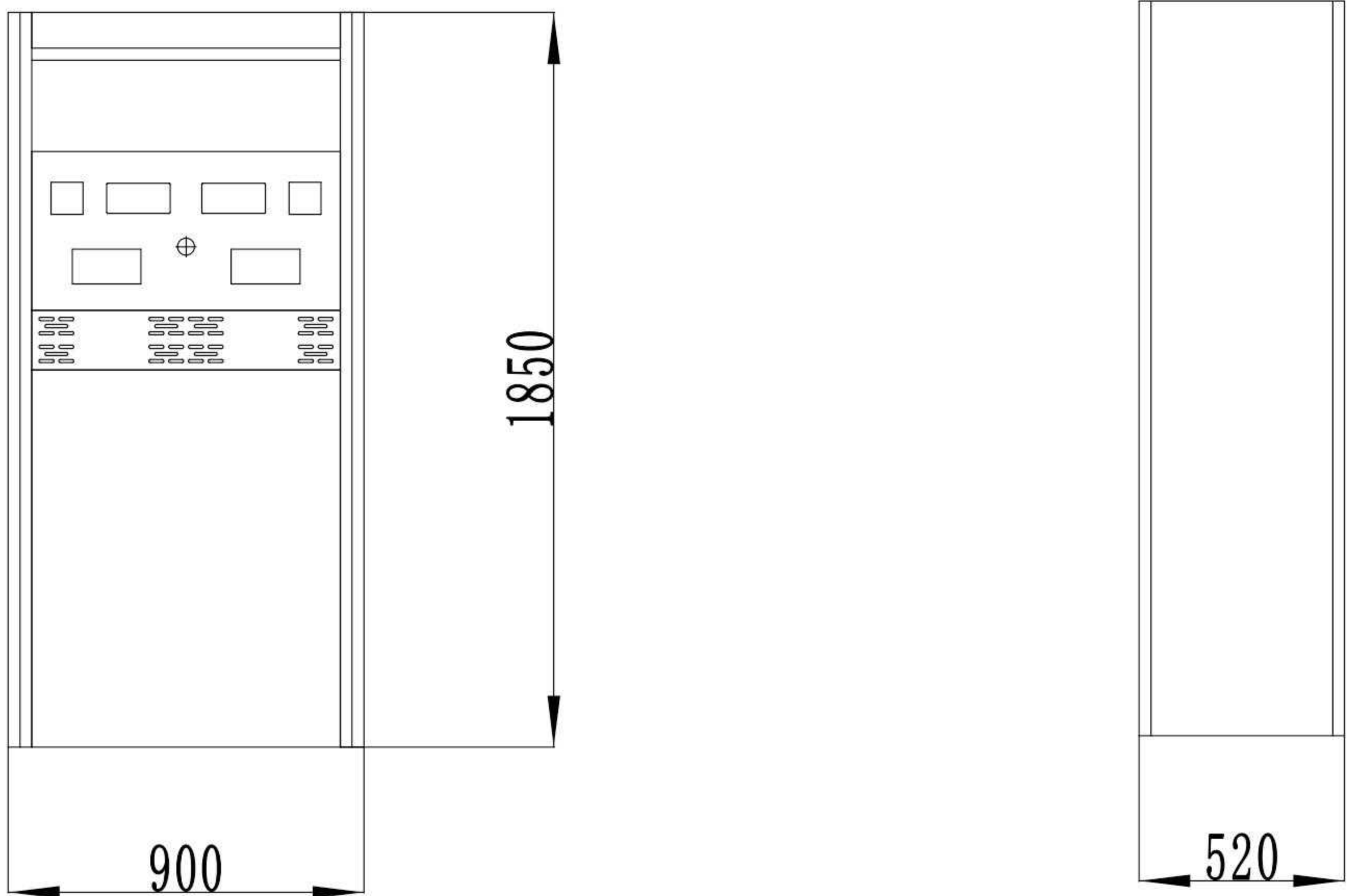
Product accessories

Model	Quantity	Specifications
Filter	1	/
Flow meter	1	5-65L/min
Display	2	/
Nozzle	1	LPG nozzle

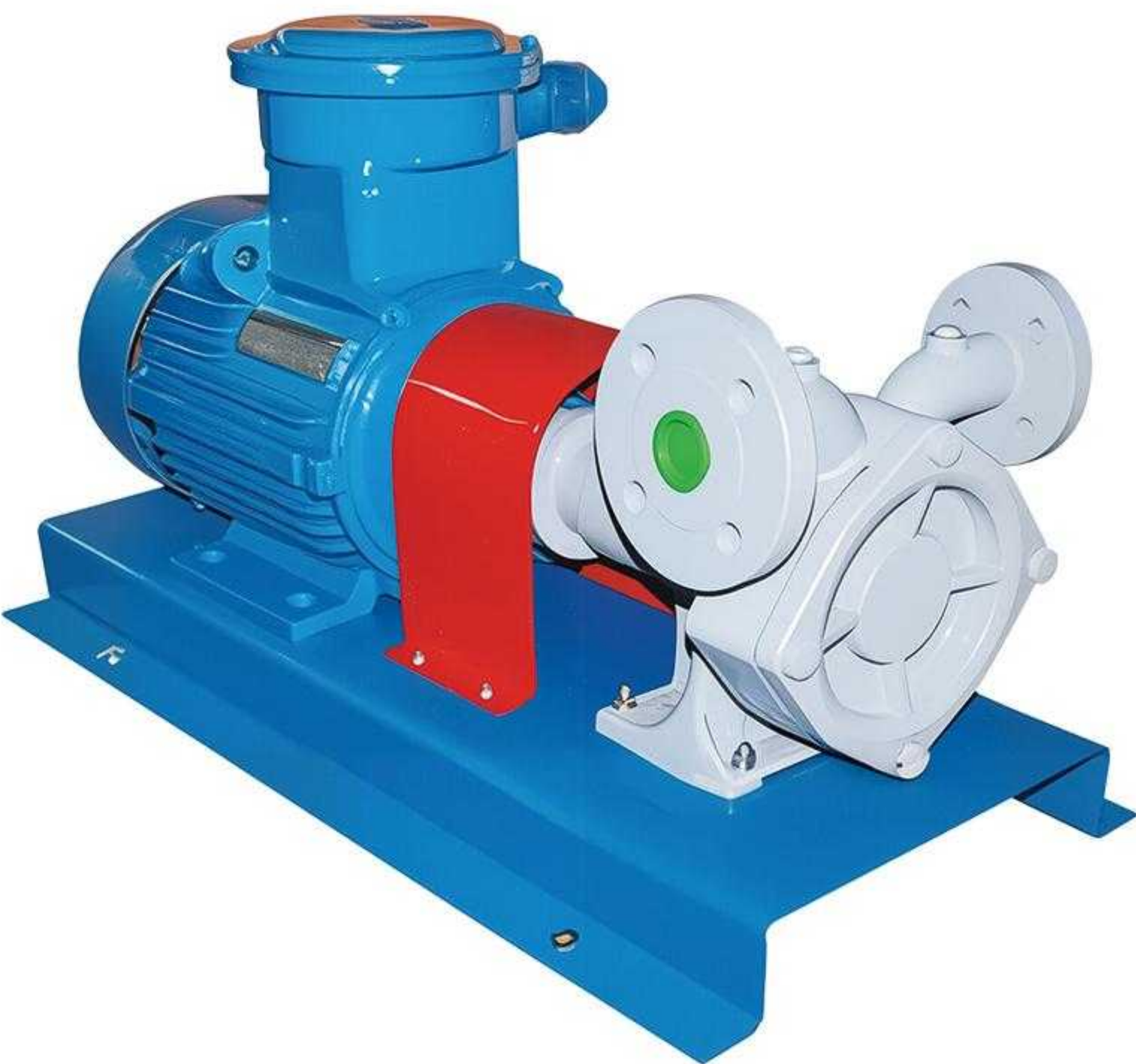
FLUID: Filter

Flow range	Accuracy	Repeatability	Working pressure	Rate Power	Air pressure
5 - 60L/Min	±1%	≤0.5%	2.2 MPa	AC 220V, 50 Hz	86-106kPa

Product size



• AC-LPGP-150 LPG VANE PUMP



Product Features

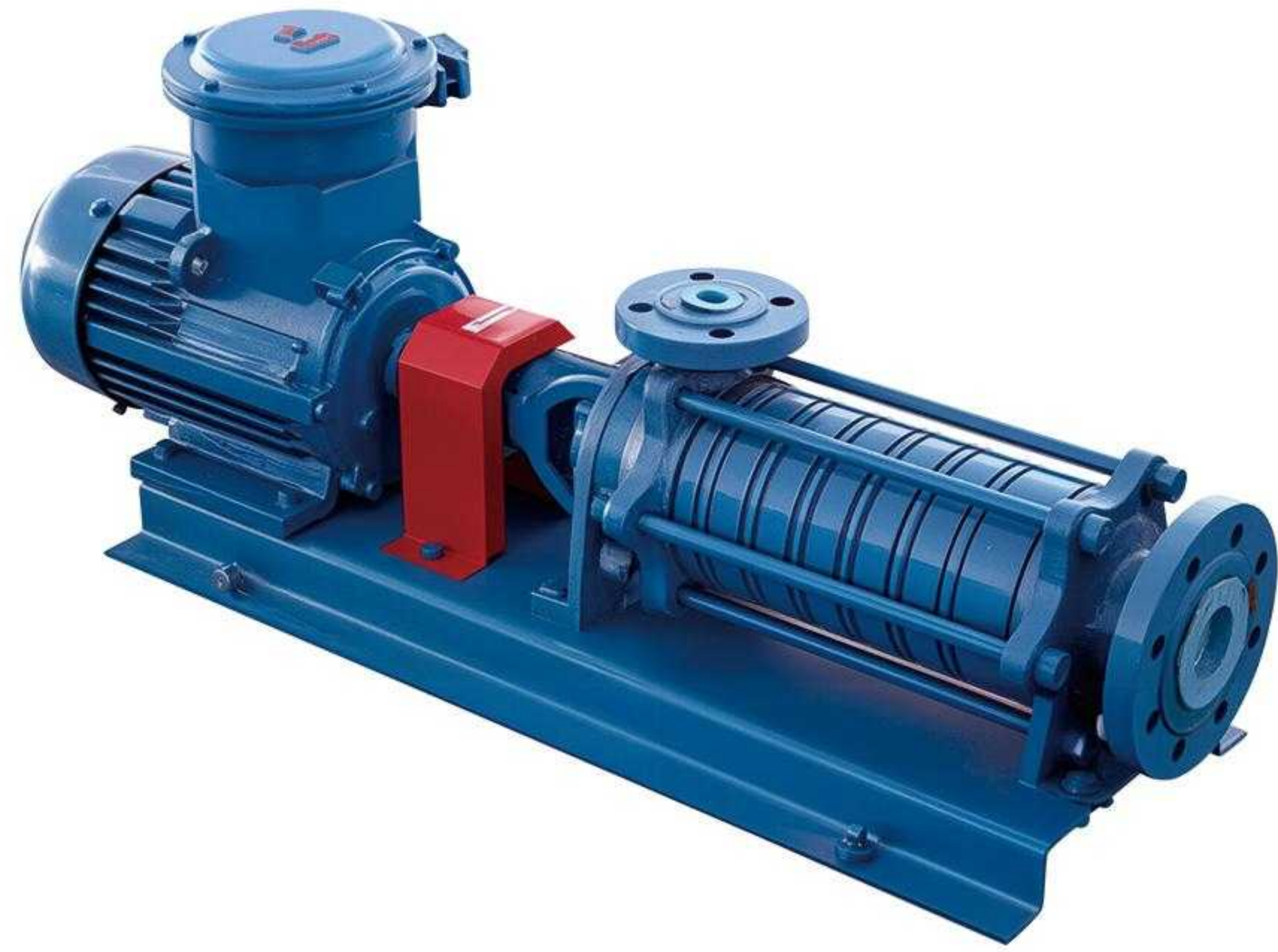
AC-LPGP-150 Turbopump, designed for use with high-pressure differentials in both above-ground and underground LPG tanks. A cost-effective alternative to submersible pumps.

- A cost-effective alternative to submersible pumps.
- Meets diverse LPG refueling demands. Capable of high-flow refueling for dual-nozzle dispensers under high-pressure differentials, whether from above-ground or underground LPG tanks.
- Engineered for continuous heavy-duty operation.
- Simple and economical to use.

Built-in Relief Valve: Yes

Inlet	Outlet	Motor speed	Maximum working pressure	Maximum pressure difference	Motor powe	Flow rate	Temperature range
NPT1"	1"	60Hz 3450RPM 50Hz 2880RPM	27.6bar (400PSI)	20bar (290PSI)	5.5kw	7.5m3/h	-32°C~107°C

● **LPG-MP65/85** LPG Side channel Multistage Pump



Product Features

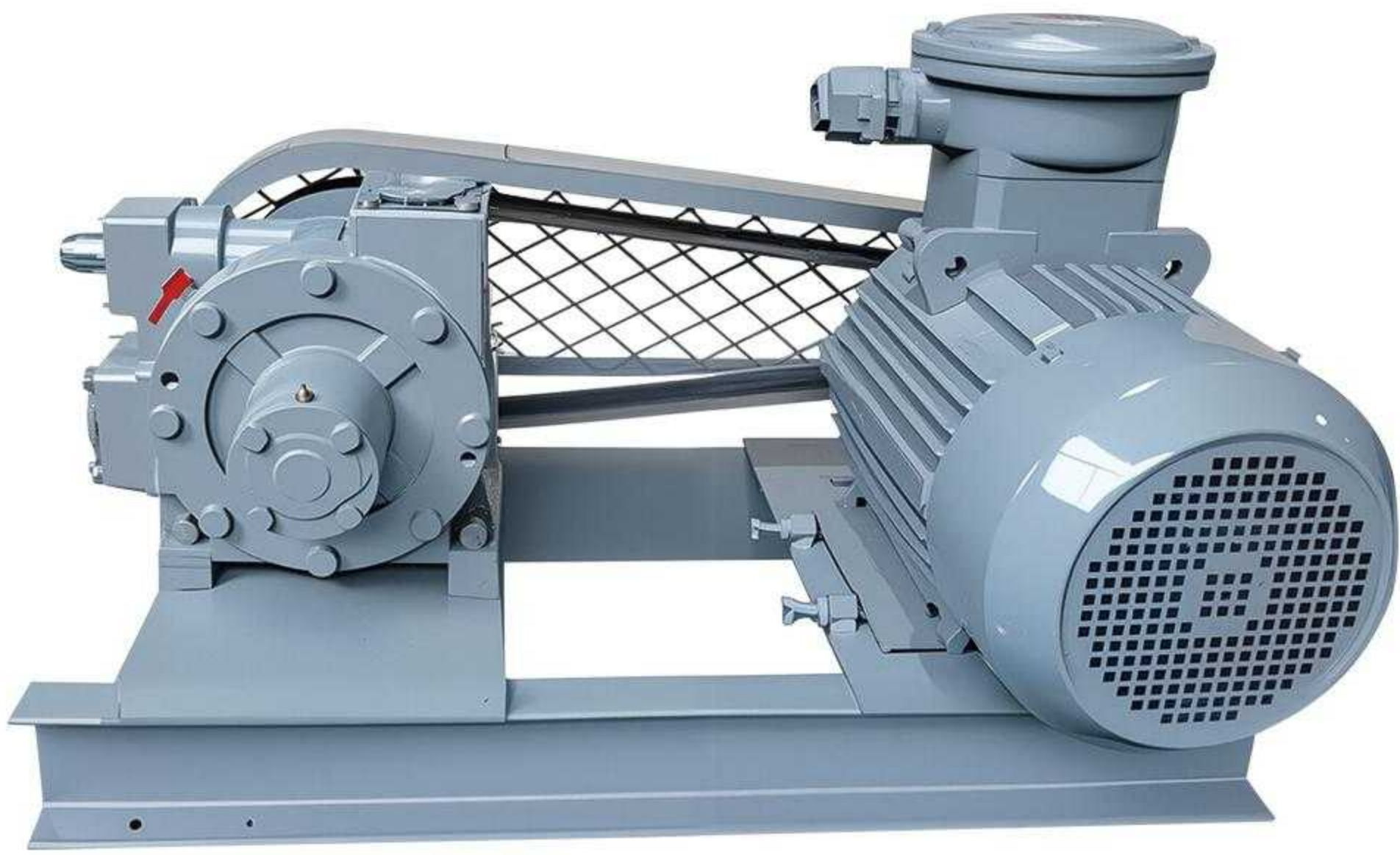
The LPG multistage pump, centrifugal and side channel, is designed with 6 stages, having a horizontal configuration, Shaft sealing by mechanical seal without cooling, for handling LPG (liquid gas) the liquids invoking high-differential pressure, low NpsH conditions, and aerated liquids up to 50% gas, such as pumping from underground tanks.

- The use of a pre-compression turbine at the suction end makes it possible to obtain a very small required NpSH so that this pump can be used under very difficult suction conditions
- Application :
LPG cylinder filling, Pumping LPG from underground storage, Bulk filling operations, loading/unloading of bulk trucks and transport trailers, and vaporizer feed pumps.

The sleeve bearing at the pump end is lubricated by the pumped medium, the ball bearing at the drive end is self-lubricating.

Model	Speed	Power	Stages	Flow rate	Connection flange	Maximum pressure differential	Bearing type
LPG-MP65	1450rpm	4KW/380V 50Hz	6 stages	5.5m³/h	inlet:65 outlet:25	1.5MPa	Sleeve bearing at the pump end ball bearing at the drive end.
LPG-MP85		5.5KW/380V 50Hz	8 stages			2.2MPa	

● **LPGVP-2000** LPG VANE PUMP



Product Features

LPGVP-2000 tanker vane pump is used to transport liquefied gas, ammonia water, etc., especially in harsh working environments with high pressure difference, overspeed rotation, and low suction

- Revolutionary cam design that truly eliminates corrosion phenomena
- The use of new cam, blade materials, and heavy-duty bearings has increased the service life of the pump
- Single mechanical seal design, easy and convenient maintenance and replacement
- The large-sized non-metallic push rod allows the pump to rotate at high speed

Built-in Relief Valve: Yes

Speed	Flow Rate	Motor Power	Inlet/Outlet	Maximum Speed	Maximum Working Pressure	Maximum Differential Pressure	Temperature Range
680 RPM	18 m³/h	7.5 kW, 380V	NPT 2"	800 RPM	28.6 Bar	12 Bar	-32°C to 107°C

● **LPGS01** Liquefied gas gas-liquid separator



Product Features

The LPG gas-liquid separator for liquefied petroleum gas (LPG) dispensers is designed to separate gaseous components from liquefied gas, ensuring measurement accuracy of the dispenser. It features built-in check valves and a cleanable two-stage filter screen.

- Maximum Working Pressure: Up to 2.0MPa, ensuring reliable performance under high-pressure conditions.
- Filtration Precision: Dual filtration with 40-mesh coarse filter and 200-mesh fine filter, effectively removing impurities.
- Connection Size: G3/4" caliber, compatible with standard pipelines for easy installation.
- Packaging: Single piece in a wooden case, providing excellent protection during transportation.

Model	Working Pressure	Overflow Pressure	Filter Precision	Packaging	N.W/G.W	Dimensions
LPGL1	2.5MPa	4.0MPa	0.08mm	1 piece wooden case	17.5kg/23kg	480mm380mm350mm

● **LPGFM01** Liquefied gas flowmeter



Product Features

The LPG flowmeter is used in liquefied gas filling machines. It features a cast iron housing, stainless steel cylinder liner, four piston stroke structure, and an imported built-in check valve. It has the advantages of high strength, good wear resistance, high measurement accuracy, and long service life.

- Maximum Working Pressure: Up to 1.8MPa, enabling stable operation under suitable pressure conditions.
- Flow Measurement Range: (5~35) L/min, covering a wide spectrum of flow demands for diverse applications.
- Displacement per Revolution: 0.5L, ensuring efficient fluid transfer.
- Minimal Leakage: Only 0.1%, guaranteeing high sealing performance and reducing waste.

Max Working Pressure	Measurement Range	Displacement per Rev	Min Adjustable Qty	Accuracy	Repeat Error	N.W/G.W	Packaging Dimensions
1.8MPa	(5~35) L/min	0.5L	0.1%	≤±0.2%	≤0.07%	31kg/33kg	36*29*36cm

● **LPGLDF1** Pull off valve



Product Features

When the pulling force borne by the valve exceeds the rated value, the valve will automatically open and the two ends of the opening will automatically seal. This prevents the gas dispenser from being pulled down by a car or the gas pipe from being pulled apart, which could cause leakage and prevent accidents from happening and causing greater harm to people and equipment. This valve needs to be reset manually and can be repeatedly pulled open and closed.

- Standard Thread: NPT 3/4", ensuring universal compatibility with standard pipelines for easy installation
- Premium Material: Made of stainless steel, offering excellent corrosion resistance and durability for long-term use
- Reusable with Easy Operation: After triggering protection, it can resume normal use simply by manual reset, no need for component replacement. It supports multiple pull-off-closing cycles, balancing safety and operational economy.

Model	Thread	Material	Maximum Tensile Force	Flow Rate	Reset Method
LPGLDF1	NPT 3/4"	Stainless Steel	300N-600N	5~50L/min	Manual mechanical reset

● **CYF01** Differential Valve



Product Features

The differential valve has optional rated pull-off forces (1500N/2000N/2500N, customizable), max working pressure up to 1.8MPa, 0.3Bar filter precision, 5-50L/min flow range, -40°C-80°C working temp, multiple connections, brass/304 stainless steel body, tool-free manual reset, ≥500-cycle life (for LPG/NG/dry compressed air), and 36 pieces/box (net 25kg, gross 26kg, single size 54×25×37mm).

- Maximum Working Pressure: Up to 1.8MPa, ensuring stable operation under suitable pressure conditions.
- Filter Precision: 0.3Bar, effectively removing impurities to maintain fluid cleanliness
- Flow Range: 5-50L/min, covering a wide range of flow demands for diverse applications
- Packaging: 36 pieces per box, enabling efficient storage and transportation
- Weight & Dimensions: Net weight 25kg, gross weight 26kg, single packaging size 54×25×37mm, balancing portability and product

Max Working Pressure	Filter Precision	Flow Range	Packaging	Net Weight	Gross Weight	Packaging Dimensions
1.8MPa	0.3Bar	5-50L/min	36 pieces/box	25kg	26kg	54×25×37mm

● **LPG20** solenoid valve



Product Features

The main valve diaphragm is made of imported special rubber, which is highly resistant to corrosion and can withstand low temperatures down to -20°C. The magnetic circuit components are made of special stainless steel magnetic material, which never rusts or generates residual magnetism. The coil components use imported F-class enameled wire, with excellent insulation performance.

- Nominal Diameter: 20mm/", ensuring compatibility with standard pipelines.
- Connection Method: Internal thread, enabling easy and secure installation.
- Flow Rate: 5-50L/min, suitable for a wide range of flow requirements.
- Working Pressure Range: 0 ~ 1.6Mpa, adaptable to different pressure environments.
- Working Voltage: AC220V 50Hz, compatible with common power supplies.

Nominal Dia	Connection	Flow Rate	Voltage	Packaging	G.W/N.W	Packaging Dim	Ambient Temperature
20mm/"	Internal Thread	5-50L/min	AC220V 50Hz	25PC/CTN	31kg/30kg	360×360×290mm	-20°C ~ 65°C

● **LPG Nozzle Holder**



Product Features

- Corrosion Resistance: Given that LPG has a certain degree of corrosiveness, the stainless steel material offers excellent corrosion resistance. This allows the nozzle holder to maintain stable performance in environments with long-term exposure to LPG, resisting rust and damage, thereby ensuring its service life and operational safety.
- Sturdy Structure: Stainless steel boasts high strength and hardness, enabling the nozzle holder to bear the weight of the refueling nozzle and any external forces that may arise during use. This ensures the refueling nozzle remains stable when being placed or taken, without easily wobbling or falling.

Good Compatibility: The design of the LPG stainless steel nozzle holder usually takes into account compatibility with LPG refueling nozzles of different models and specifications. It ensures the refueling nozzle can be inserted and removed accurately and conveniently, while also providing excellent sealing performance to prevent LPG leakage.

● LPGN01 LPG Nozzle



Product Features

The LPG Nozzle is a specialized tool designed for refueling liquefied petroleum gas (LPG) vehicles or cylinders, and it is compatible with LPG dispensers. Engineered for seamless integration with dispensers, it enables one-step operation with simplicity and ease of use. Featuring an ergonomic design, it is durable and suitable for repeated connections. Constructed from copper, aluminum, and stainless steel, it offers excellent corrosion resistance. The nozzle includes a built-in 360° swivel joint for enhanced flexibility.

- High Pressure Resistance: Maximum working pressure up to 350psi, ensuring reliable performance under high-pressure LPG conditions.
- Minimal Leakage: LPG leakage rate at disconnection is only 4.3cc, guaranteeing excellent sealing and safety.
- Wide Temperature Range: Operates stably from -40°C to 85°C, suitable for various harsh environmental conditions
- Premium Italian Connection: Adopts Italian-style connection for secure and standardized installation.

Packaging Dimensions: 360×320×220 mm

Max Working Pressure	LPG Leakage Rate at Disconnection	Connection	Material	Internal	External	Packaging	N.W/G.W
350psi	4.3cc	BSP1" or 3/4"	Aluminum	Brass/Steel	Brass Stainless steel	10pcs/carton	20kg/21kg

About This Product

Structure and Materials

- The main body is mostly made of aluminum alloy, with external components combining copper and stainless steel, which offer excellent corrosion resistance, adapt to the chemical properties of LPG, and ensure long-term use. It is designed with a 360° rotatable joint, allowing flexible operation and convenient connection at different angles.

Working Principle and Operation

- Connection: The lower end of the gun handle is connected to a gas hose. After connecting to the LPG source, insert the gun nozzle into the filling port of the vehicle or cylinder, press the handle by hand to lock the filling gun with the port and open the filling valve simultaneously.
Filling and Disconnection: Start the dispenser to begin filling. After filling is completed, the filling gun will automatically push open the handle lock, cut off the gas source, and can be easily removed from the filling port.

Technical Parameters (Refer to Similar Products)

- Maximum working pressure is approximately 350psi, and the LPG leakage rate during disconnection is as low as 4.3cc. Common inlet thread specifications include G3/4", G1", NPT3/4", etc., to meet the connection requirements of different dispensers. The operating temperature range is -40°C~85°C, enabling stable operation in a relatively wide ambient temperature range.

Maintenance and Precautions

- Regularly inspect moving parts, keep them clean and free of foreign objects, and check the wear of the claws. If they are severely worn, replace them in time.
If there is air leakage, replace the gasket. Note that the nut should not be tightened too tightly to avoid affecting the trigger operation.

● LPGN02 LPG Nozzle



Product Features

It' s easy to use and highly durable, suitable for repeated connections; constructed with copper, aluminum, and stainless steel for excellent corrosion resistance; features a built-in 360° swivel joint.

- High Pressure Resistance: Maximum working pressure up to 350psi, ensuring reliable performance under high-pressure LPG conditions.
- Minimal Leakage: LPG leakage rate at disconnection is only 4.3cc, guaranteeing excellent sealing and safety.
- Wide Temperature Range: Operates stably from -40°C to 85°C, suitable for various harsh environmental conditions
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Packaging Dimensions: 360×320×220 mm

Max Working Pressure	LPG Leakage Rate at Disconnection	Connection	Material	Internal	External	Packaging	N.W/G.W
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About This Product

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- Connection: The lower end of the gun handle is connected to a gas hose. After connecting to the LPG source, insert the gun nozzle into the filling port of the vehicle or cylinder, press the handle by hand to lock the filling gun with the port and open the filling valve simultaneously.
Filling and Disconnection: Start the dispenser to begin filling. After filling is completed, the filling gun will automatically push open the handle lock, cut off the gas source, and can be easily removed from the filling port.

Technical Parameters (Refer to Similar Products)

- Maximum working pressure is approximately 350psi, and the LPG leakage rate during disconnection is as low as 4.3cc. Common inlet thread specifications include G3/4", G1", NPT3/4", etc., to meet the connection requirements of different dispensers. The operating temperature range is -40°C~85°C, enabling stable operation in a relatively wide ambient temperature range.

Maintenance and Precautions

- Regularly inspect moving parts, keep them clean and free of foreign objects, and check the wear of the claws. If they are severely worn, replace them in time.
If there is air leakage, replace the gasket. Note that the nut should not be tightened too tightly to avoid affecting the trigger operation.

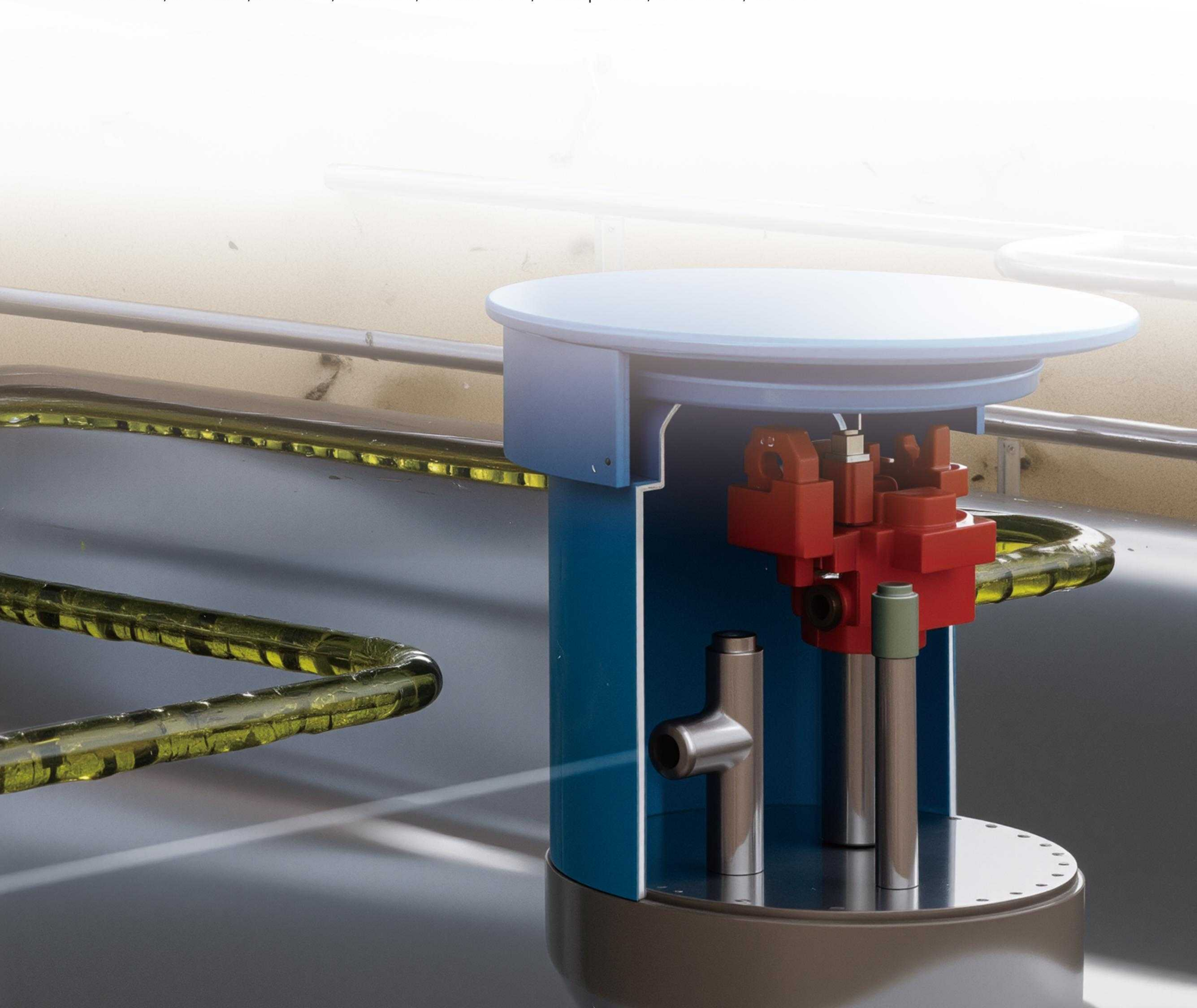


Submersible Pump

Submersible Oil Pumps for Gas Stations: Adopt the principle of positive pressure delivery to eliminate vapor lock. One pump can supply multiple nozzles, simplifying the oil pipeline system

High-Flow & High-Head Submersible Oil Pumps for Oil Depots (Refueling Vessels): These pumps have a much larger flow rate than those used in gas stations. submersible oil pumps can achieve a flow rate of 30-500 cubic meters per hour, a head of 10-100 meters, and a maximum power of 80 horsepower. They are suitable for oil unloading from underground tanks, oil blending, and other applications.

STP-240/STP250/STP260/MLD-50/Motor-STP/Pump-STP/STC-STP/GL-STP



STP SERIES



STP-240



STP-250



STP-260



MLD-50



Motor-STP



Pump-STP



SPC-STP



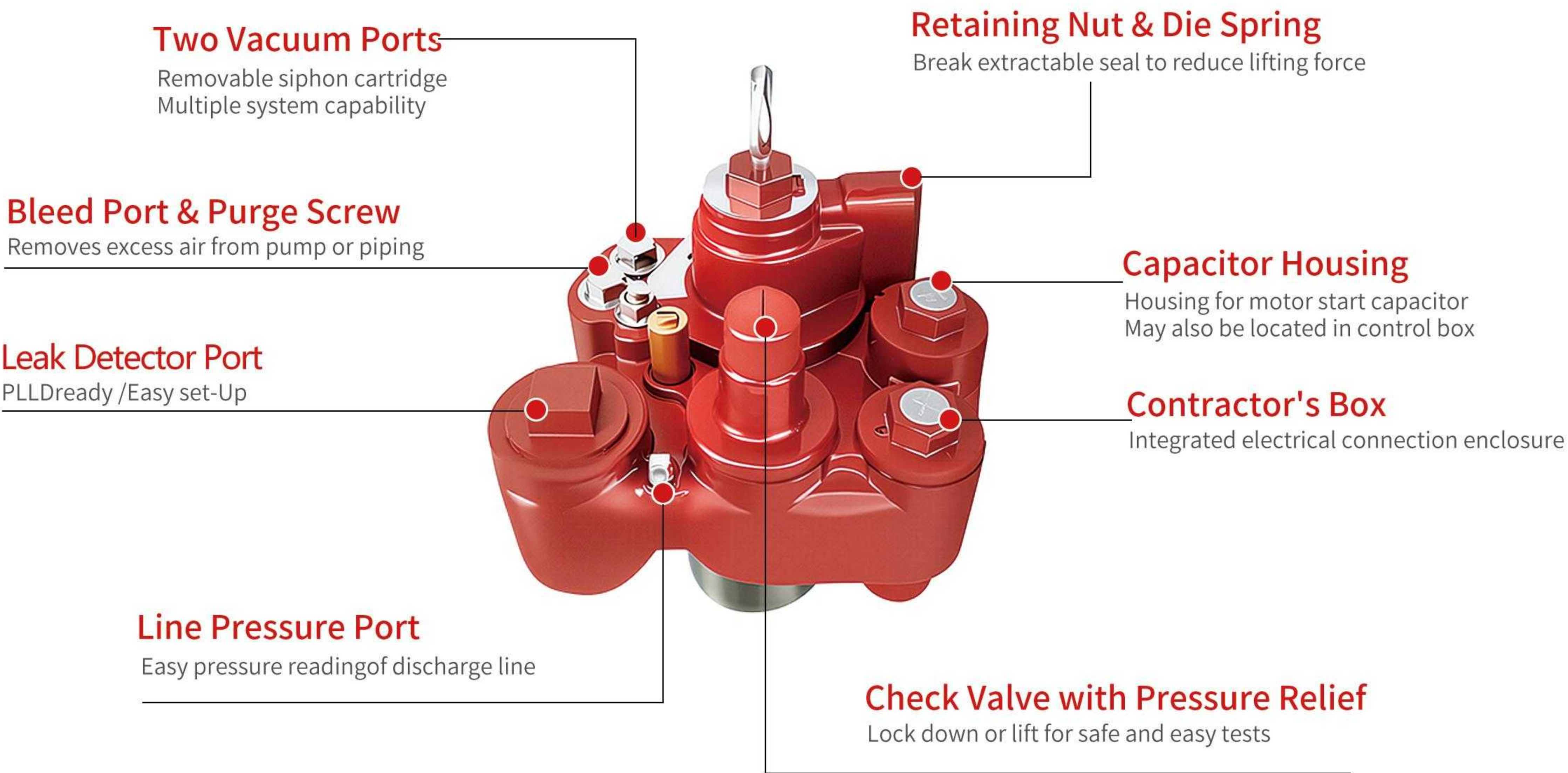
GL-STP

• **STP-240** Bennet Pump for Gas Dispenser



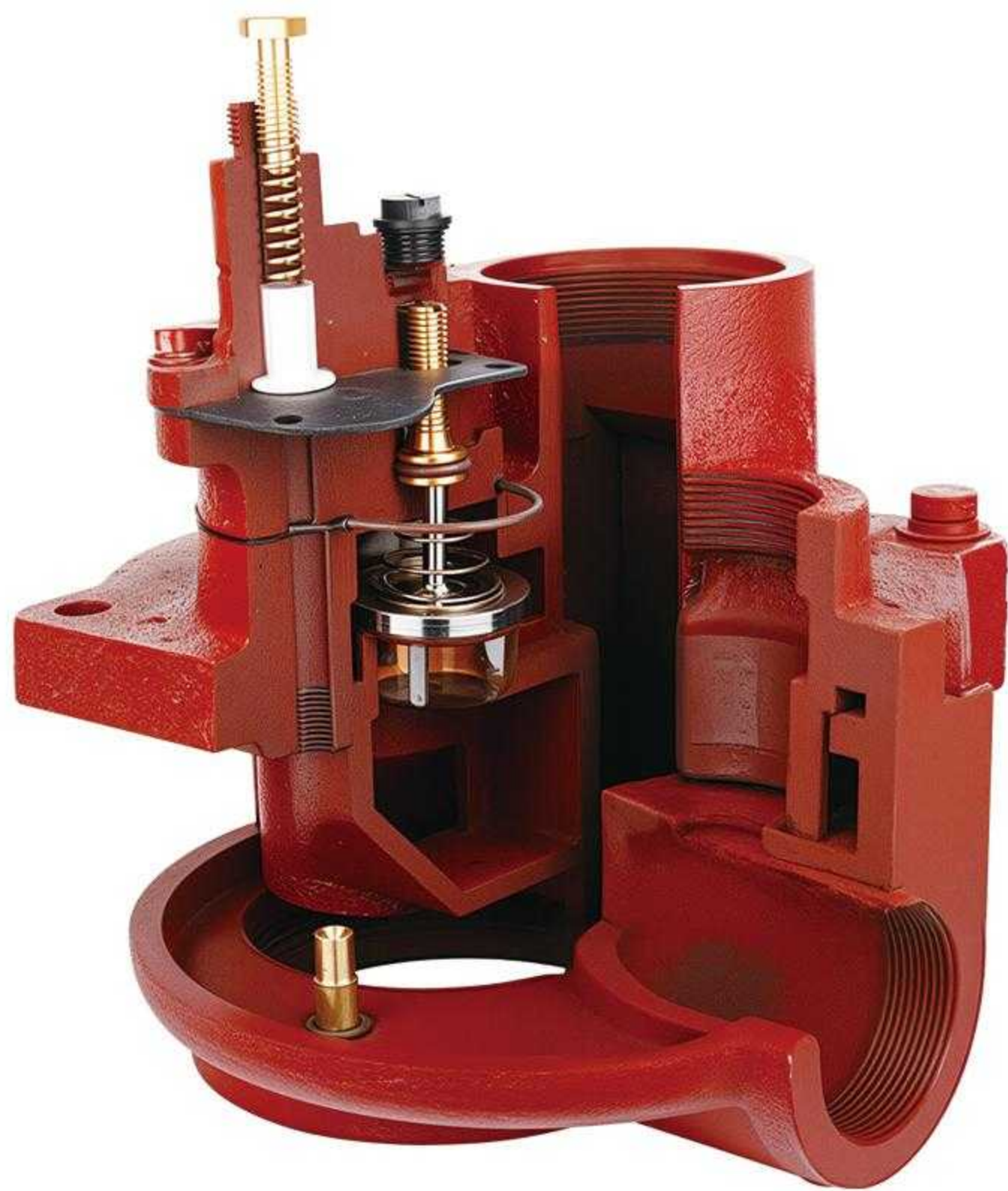
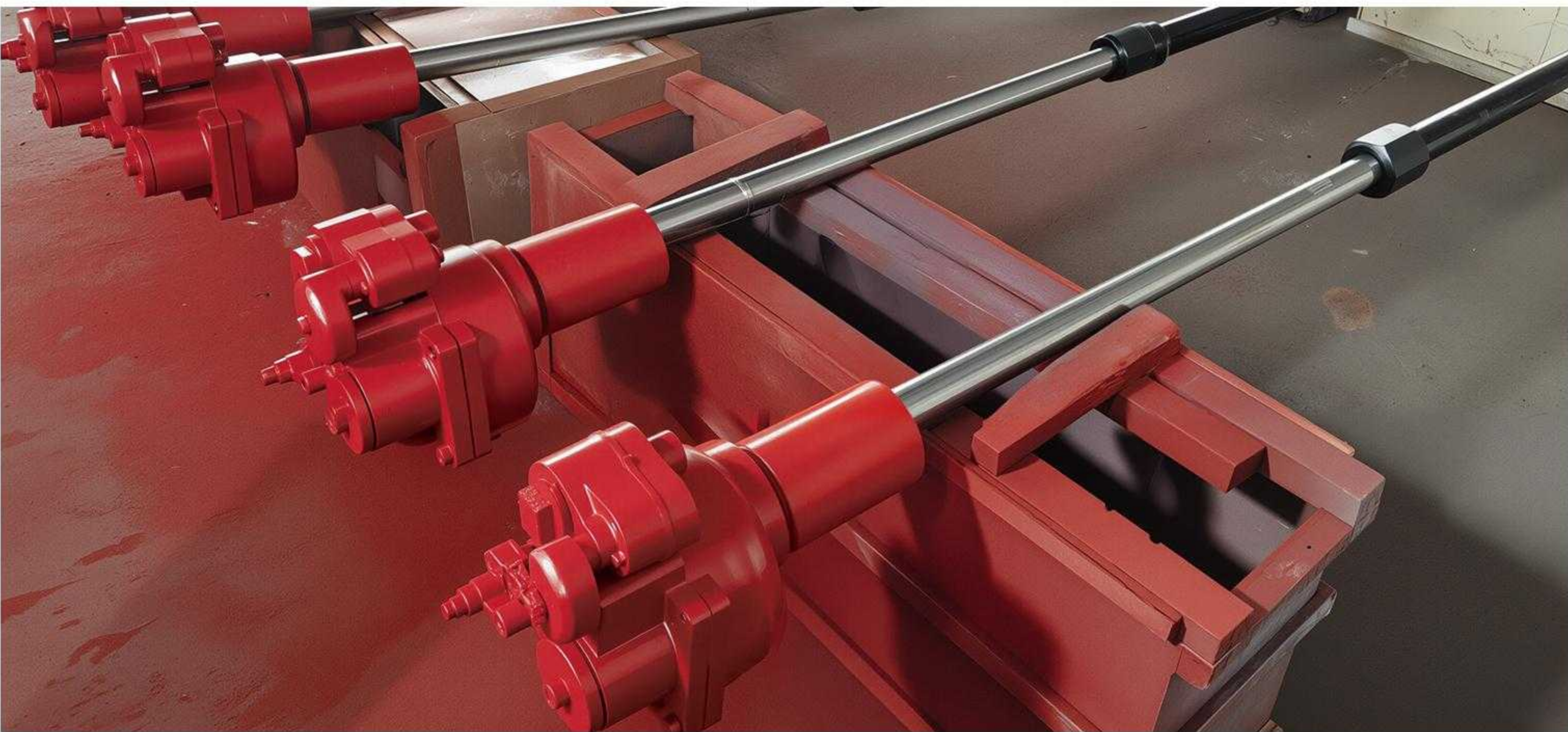
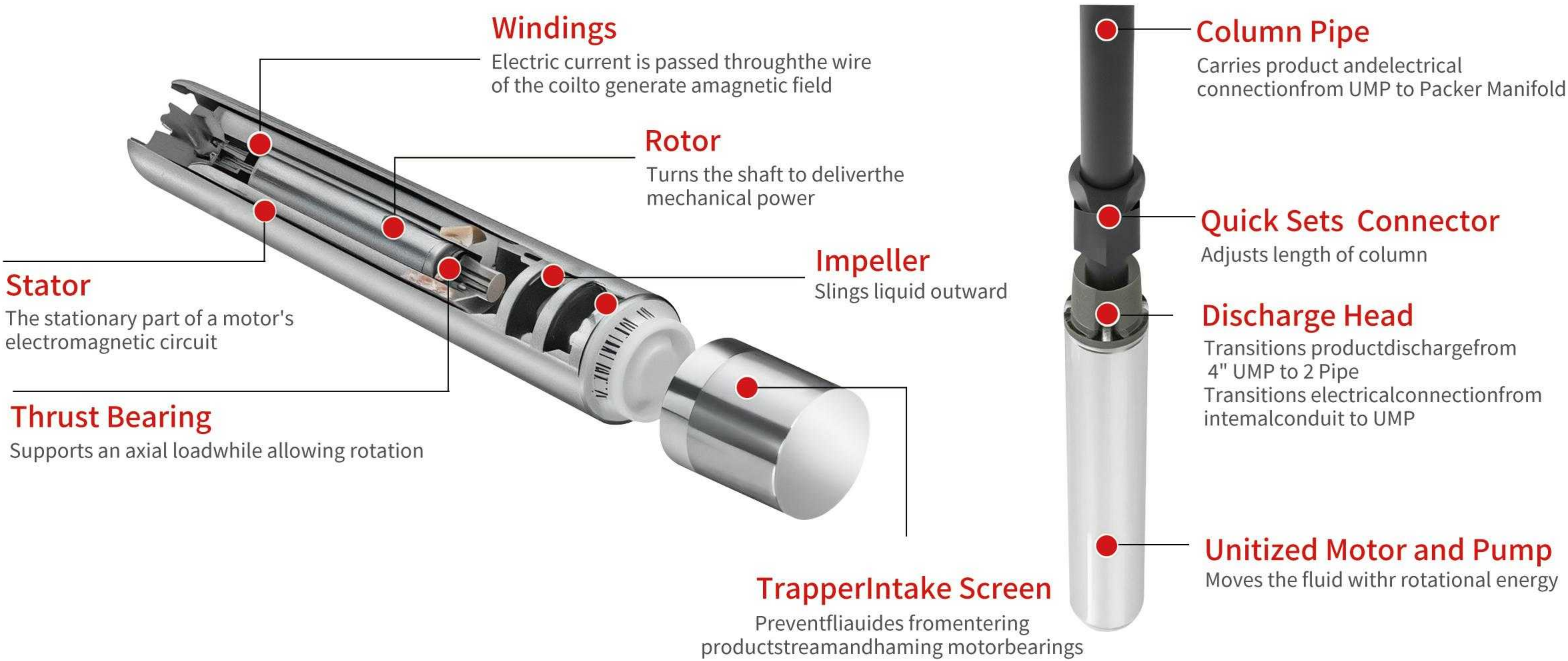
Product Features

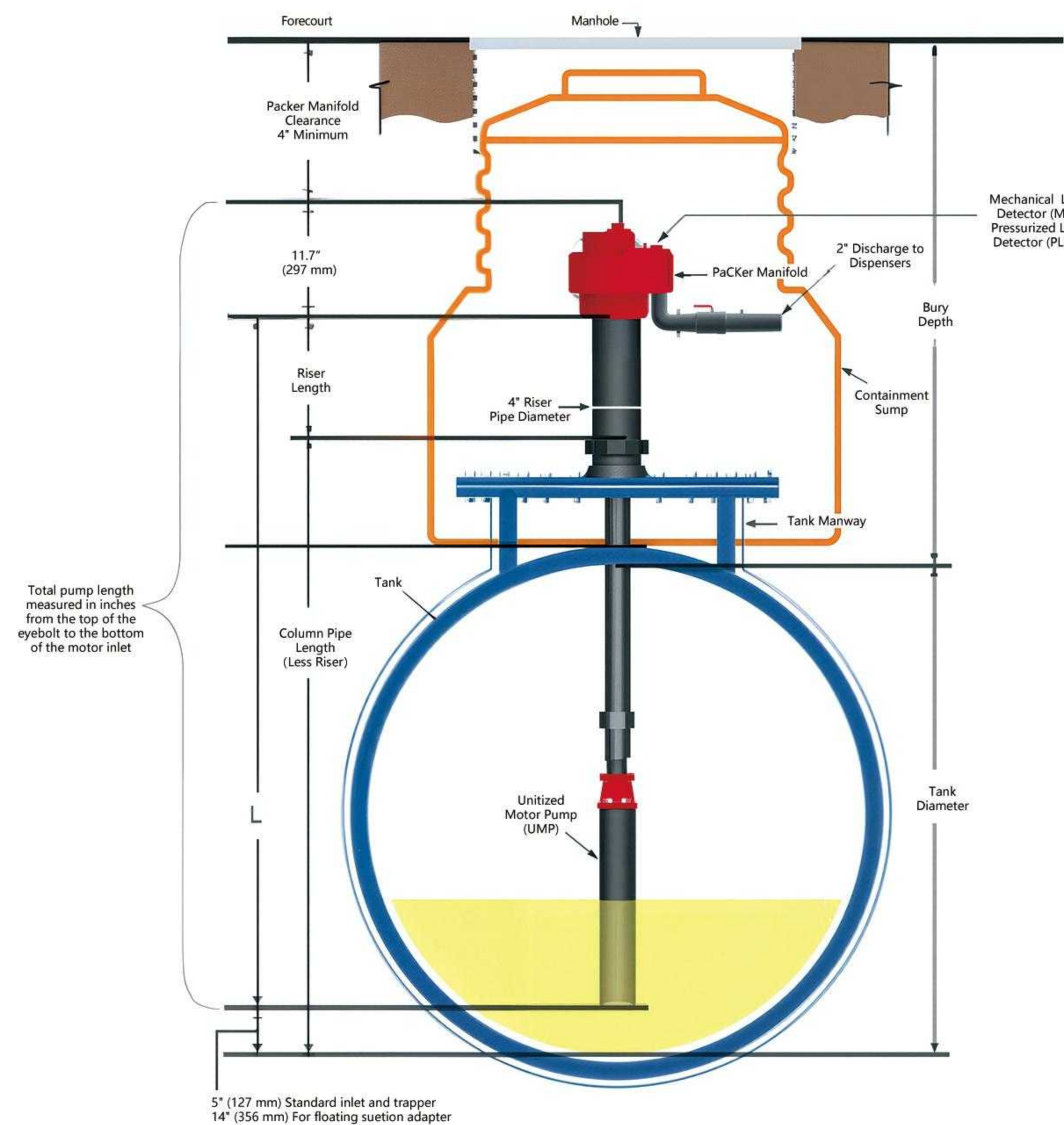
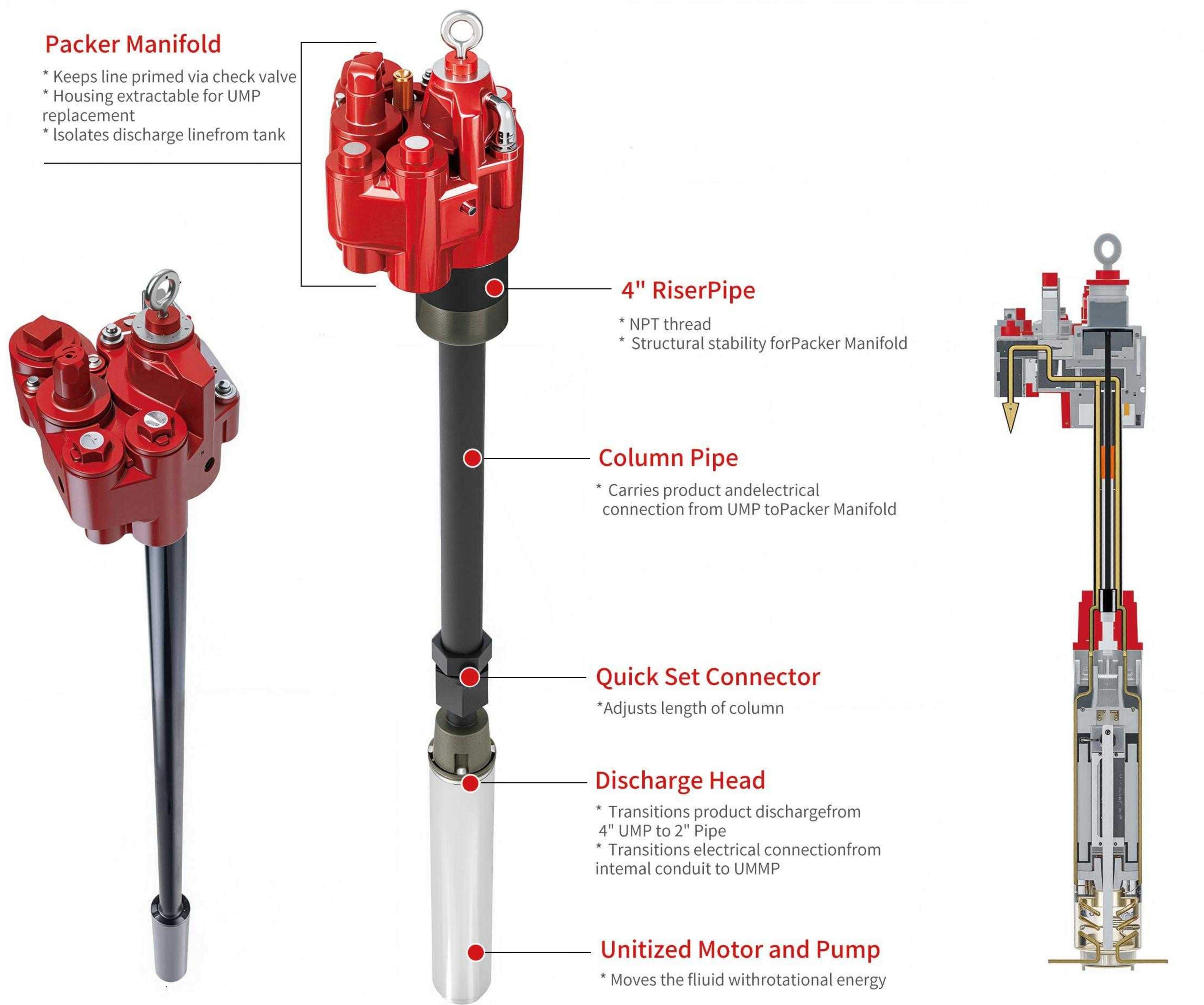
- * Deliver faster, more reliable fuel flow for the lowest cost of ownership
- * Fixed speed submersible turbine pump that optimizes fuel flow o your dispensers
- * Available in 1HP and 2HP configurations and fixed or variable quick set lengths
- * New and improved motor performance, which delivers higher flow rates
- * Built in isolated contractor’ s box for quicker and safer installation
- * Automatic electric disconnect offers increased safety
- * Check valve and manifold design for earlier line test and servicing.



FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Model	Power (HP)	Voltage (v)	Types	Main Features	Pressure Range(KPa)	Max. Pressure (KPa)	Max. Flow (L/min)
STP75F	0.75	220/380	Fixed Pipe	Applicable to fuel station and smalloil depot.Big flow, easy and safe for installation,testing and maintenance. Applicableoil products: diesel, Kerosene, ethanolgasoline, methanol gasoline, ethanol,methanol, etc.		207	200
STP75FS			Enhanced Type with Fixed Pipe			207	228
STP75E			Flexible Pipe			207	200
STP75ES			Enhanced Type with Flexible Pipe			207	228
STP150F	1.5	220/380	Fixed Pipe			207	240
STP150FS			Enhanced Type with Fixed Pipe			207	304
STP150E			Flexible Pipe			207	240
STP150ES			Enhanced Type with Flexible Pipe			207	304
STP200F		2	Fixed Pipe			276	340
STP200FS			Enhanced Type with Fixed Pipe			276	380
STP200E			Flexible Pipe			276	340
STP200ES			Enhanced Type with Flexible Pipe			276	380
STP200BF	2	220	Variable Frequency Type with Fixed pipe		0-276		340
STP200BE			Variable Frequency Type with Flexible Pipe		0-276		340
STP200BFS			Enhanced Variable Frequency Type with Fixed Pipe		0-276		380
STP200BES			Enhanced Variable Frequency Type with Flexible pipe		0-276		380
STP300F	3	380	Fixed pipe			276	600
STP500F	5					276	1000
STP1000F	10					350	1500
STP2000F	20					276	2200





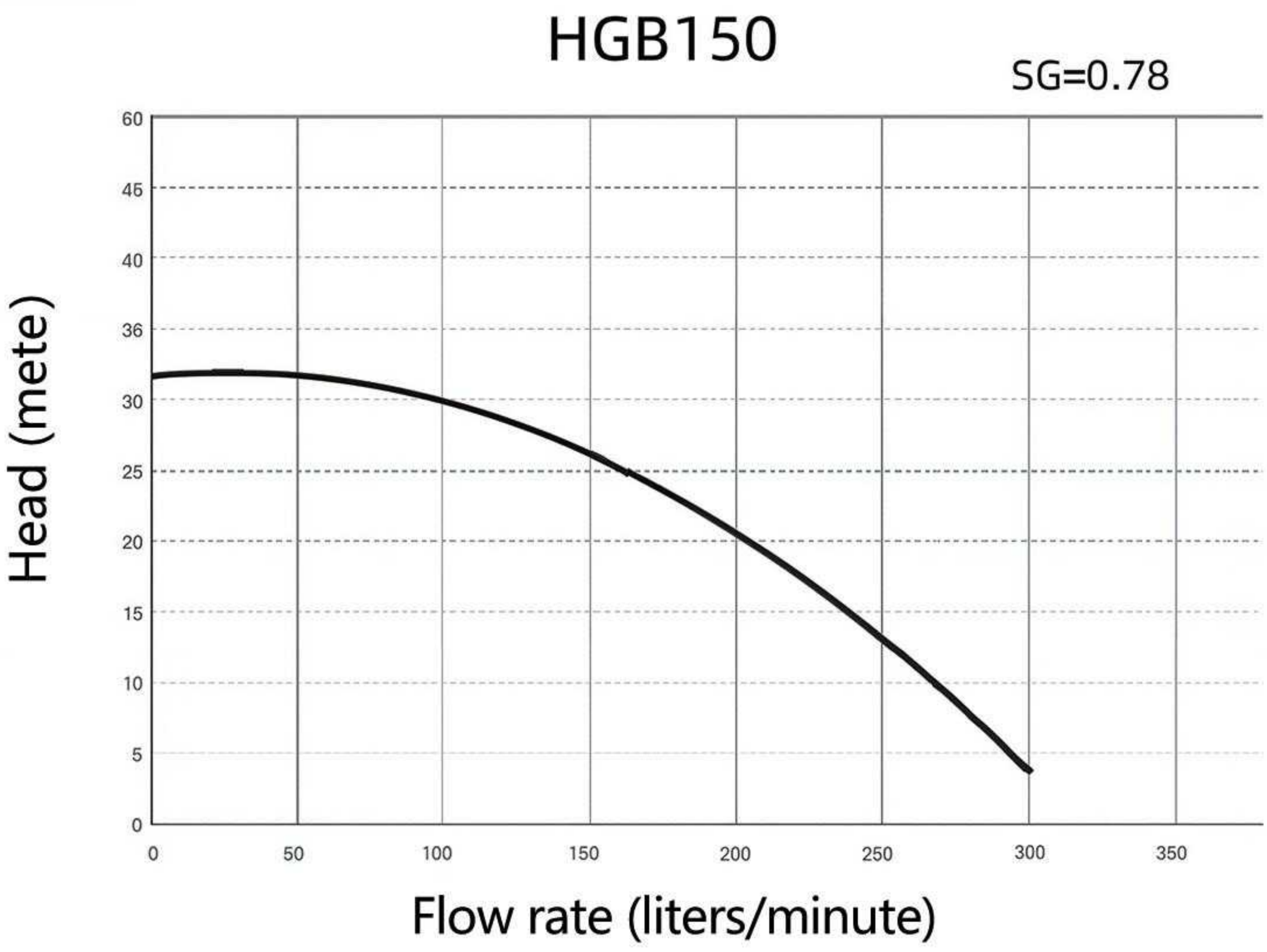
Product Features

Chemical pumps are special pumps designed specifically for the chemical industry, mainly used to transport corrosive, high-temperature, particulate or high-purity media.

FLUID: Corrosive, high-temperature, particulate or high-purity media.

Ambient temperature	Capacitance	Rated flow rate	Number of oil guns	Maximum working pressure	Relative humidity	Atmospheric pressure
-40°C~60°C	450V 25μF	300L/min	4-6	0.25MPa	30%~90%	80KPa~110KPa

Flow curve



• MLD-50 Mechanical side leakage device

Product Features

- ◆ Intelligent leak detection, closing the valve according to the leakage flow rate, detecting in less than 3 seconds in a timely manner. In order to comply with local environmental protection regulations and avoid pollution caused by oil spills, leak detectors have been developed and widely used
- ◆ At a conveying pressure of 1.4-3.5KPa, the diaphragm MLD mechanical leak detector is an optional device for monitoring pipeline oil leakage in submersible pumps. The leak detector can automatically monitor pipeline flow rates exceeding liters per minute or pressures below 0.6 kilopascals. If there is a leak, limit the flow to 11.4 liters per minute by closing the inner piston valve, which will let the user know that there is an oil leak in the pipeline.



FLUID: Gasoline/Kerosene/Diesel

≥11.4L/min
Timely control the oil output

<11.4L/min
Delay opening for 2-3 seconds

1.4-3.5KPa
Delivery pressure

>11.4L/Min/<0.6KPa
Detecting pipeline flow rate

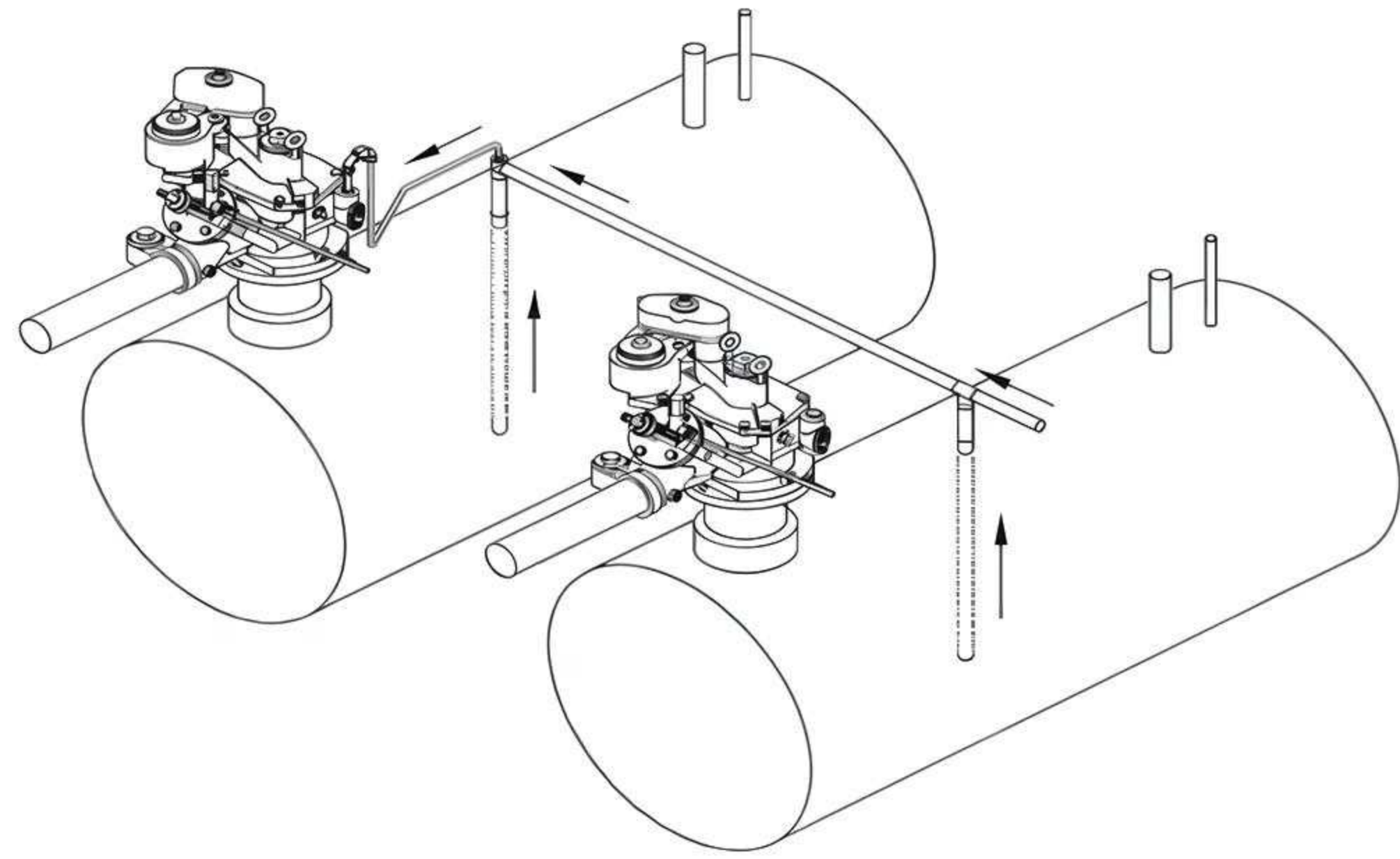
Product Features

Explosion-Proof Motor Adopting high-quality explosion-proof motors for safety and reliability,It can prevent oil vaporization and avoid the phenomenon of oil vaporization not being able to pump oil. The oil transportation distance is longer than that of a self-priming oil pump.

FLUID: Diesel/Gasoline/Kerosene

Power (HP)	Noise	Ambient Temperature	Rated Voltage
0.75-2	≤68DB	-25°C~+55°C	220VAC/380VAC

Application



The red jacket submersible oil pump, equipped with a siphon component, can complete the connection between multiple oil tanks of the same oil product

● Motor-QYB Submersible oil pump motor



● GL-STP Submersible Pump Intake Screen

Product Features

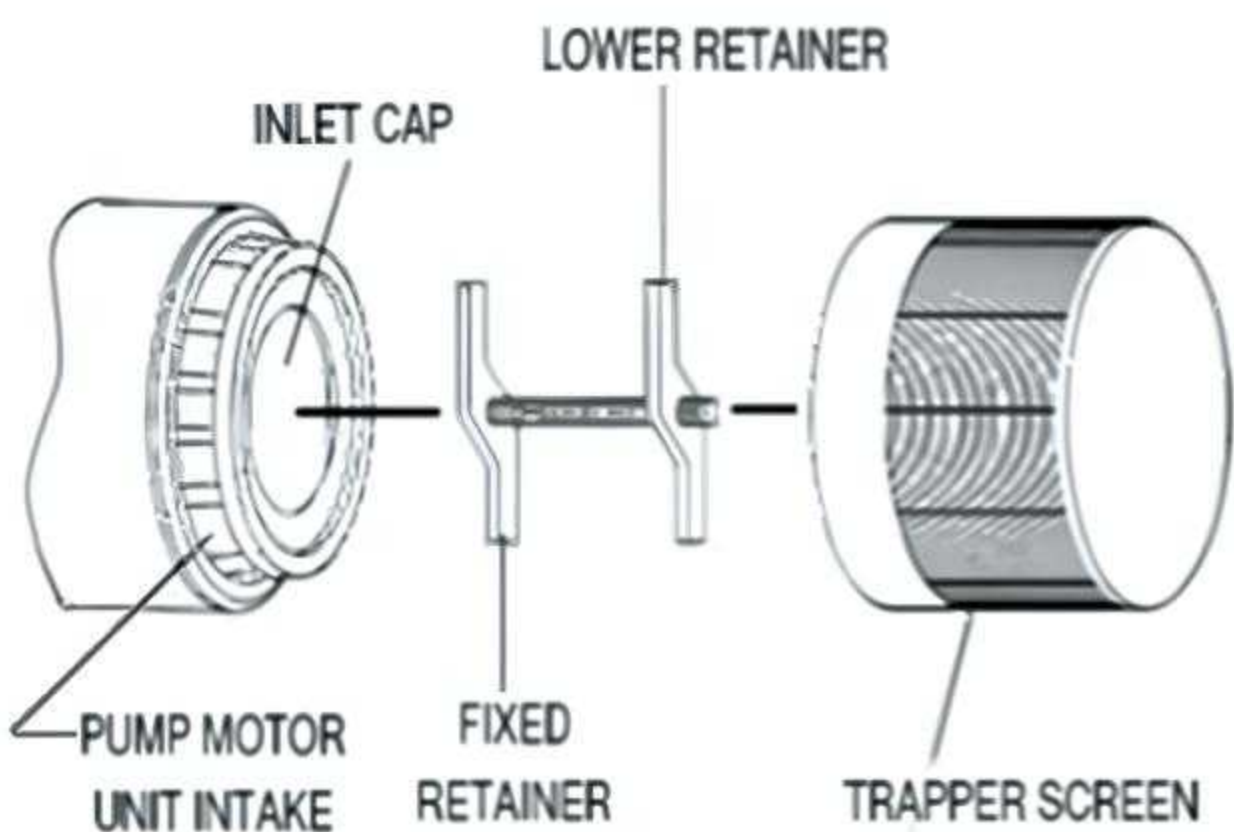
- ◆ Red-Robe Trapper intake Screen can effectively block the impurities at the bottom of the tank into the submersible pump to improve the service life of the submersible pump.and it can solve the vapor lockeffectiely which couldn't refuel

Product Highlights

- ◆ Extend service life of submersible pumps and save maintenance costs efectively. Prevent impurities efficiently from, entering the submersible pumps, with the cantinuous groove. andtriangular screen design. Improve the efficiency of the subbrsible pumps and refueing machines by preventing impuribes fromentering the oil delivery syster. Prevent air bubbles from enlering the submersible pumps umpeller

FLUID: Diesel/Gasoline/Kerosene

Material	Inside Diameter	Tall
stainless steel	90mm	104.55mm



Product Features

- 1.It can control 6 units of submersible pump
2. Overload protection is automatic protection: when the current of one submersible pump islarge than 15A, the thermat relay will be in protection status:Fau tt light is onlred)
- 3.Housing protection grade: IP20:
- 4.CCC certificate;
5. Power supply circuit of fuel dispenser should be provided with electric teakage protecton
- 6.Surge protection functionllightning protectionl;
- 7, Double door design can make non-professionat people avoid from touching ive parts.

FLUID: Diesel/Gasoline/Kerosene

Rated voltage	Material	Number of oil pumps	Protection grade	Outline dimension
220V/380V	Steel plate	6	IP20	760*160*600mm

● STP-SPC Submersible Pump Controller

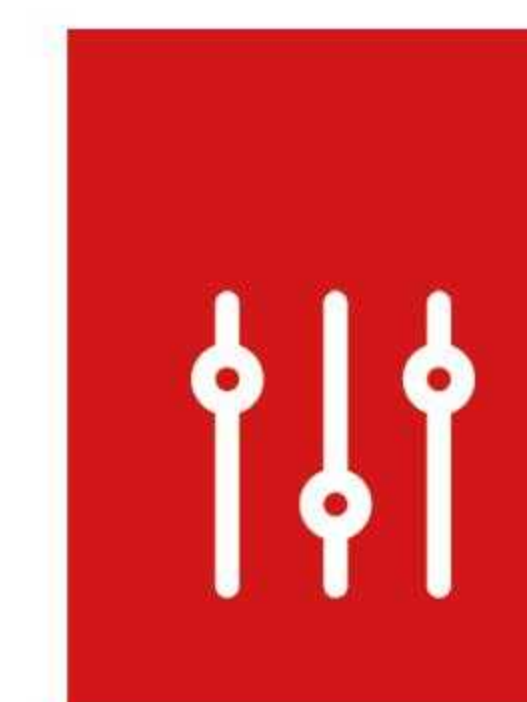




Fuel dispenser Accessories

The accessories of fuel dispensers often have the characteristics of precision and sturdiness - the flexible and pressure resistant oil pipeline, and the fine and compact sealing components at the interface, revealing a rigorous and reliable industrial texture

Motor-50/RSJ-60/ZYB-50/Z054/TK90/AC-11/AC-SYQ-1/AC-15/AC-45



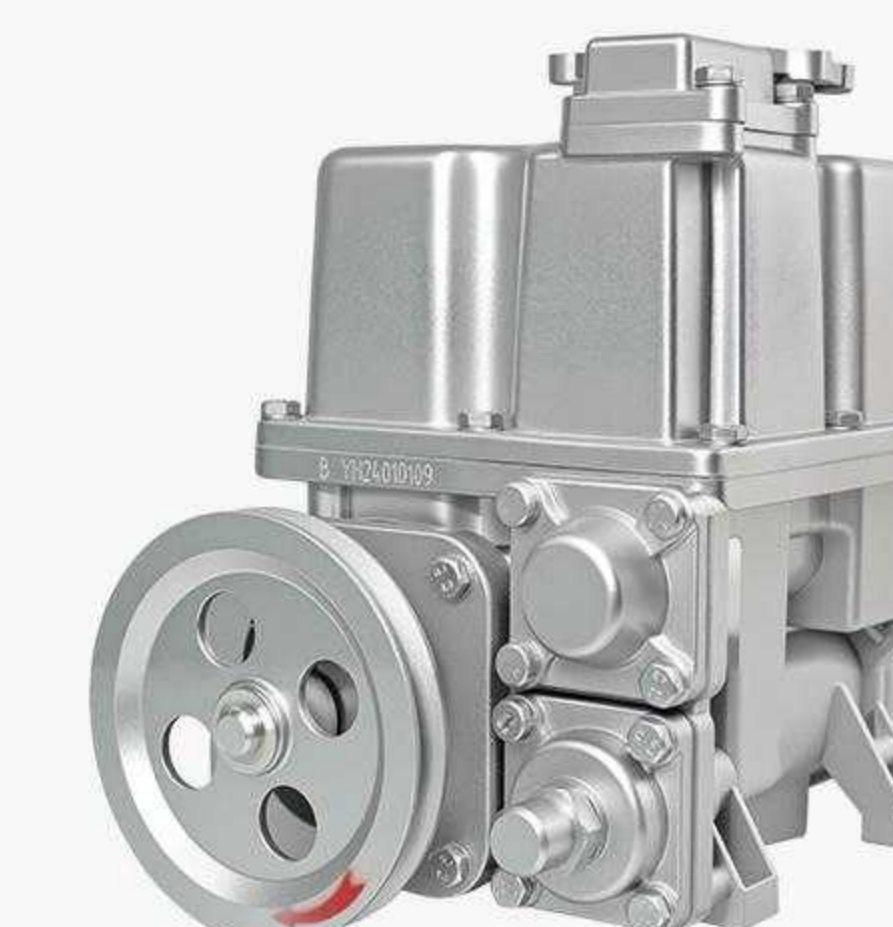
Accessories series



Motor-50



RSJ-65



ZYB-50



Z054



TK90



AC-11



AC-SYQ-1

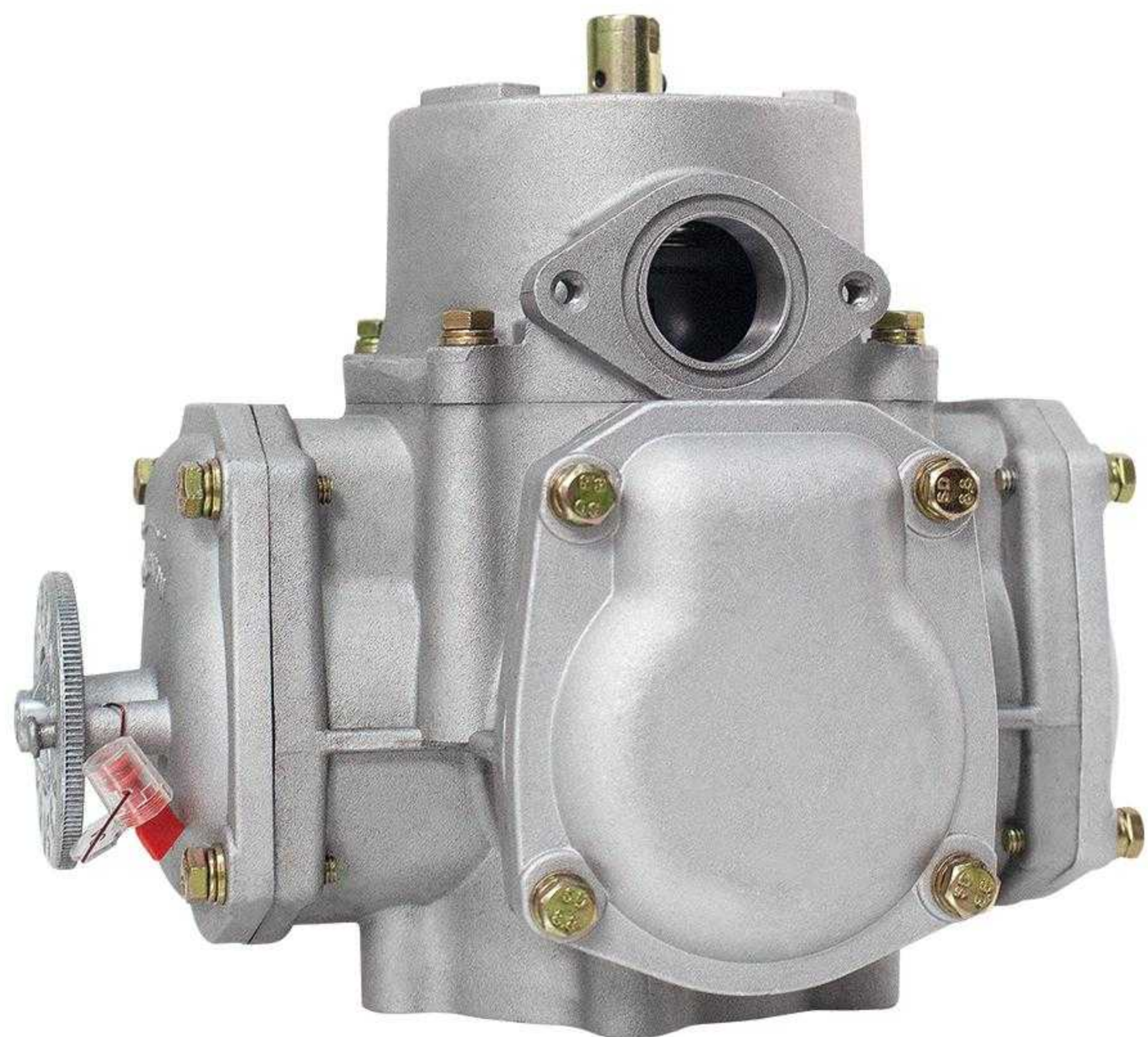


AC-15



AC-45

● **RSJ-50** Piston Flow Meter



Product Features |

This RSJ50 flow meter adopts advanced technology of U.S. Bennett company, which can be widely used for different fuel dispensers. With advantage of high flow, long working life, high accuracy, firm structure, easy installation, etc., it can be the best choice of fuel dispenser component.

- Micro-accurate, 4-piston, positive displacement typemeter with rotary
- valve, exterior adjustment and double oil lip seal for long life
- External structure achieved by single body design of components
- External accuracy: ± 0.2% with high flow through-put
- Body: Aluminum(Spray-painted) & Seals: Buna-N
- 100% factory testedrmance

FLUID: Biodiesel | Diesel/HVO/XTL | Gasoline | Kerosene

Model	Flow meter	Disch rate per revo	Adju Mini volu	Accuracy	Repeatable Tole	Package	N.W	G,W	Dimension
RJS-50	5-60L/Min	0.5L	0.05%	±0.2%	≤0.05%	2pcs/carton	10KGS	10.5KGS	420*260*230mm

● **RSJ-65** Piston Flow Meter



Product Features |

This RSJ65 flow meter adopts advanced technology of U.S. Bennett company, which can be widely used for different fuel dispensers. With advantage of high flow, long working life, high accuracy, firm structure, easy installation, etc., it can be the best choice of fuel dispenser component.

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FLUID: Biodiesel | Diesel/HVO/XTL | Gasoline | Kerosene

Model	Flow meter	Disch rate per revo	Adju Mini volu	Accuracy	Repeatable Tole	Package	N.W	G,W	Dimension
RJS-65	5-65L/Min	0.5L	0.05%	±0.2%	≤0.05%	2pcs/carton	11.5KGS	12KGS	420*260*230mm

● **RSJ-85** Piston Flow Meter



Product Features |

This RSJ85 flow meter adopts advanced technology of U.S. Bennett company, which can be widely used for different fuel dispensers. With advantage of high flow, long working life, high accuracy, firm structure, easy installation, etc., it can be the best choice of fuel dispenser component.

- Micro-accurate, 4-piston, positive displacement typemeter with rotary
- valve, exterior adjustment and double oil lip seal for long life
- External structure achieved by single body design of components
- External accuracy: ± 0.2% with high flow through-put
- Body: Aluminum(Spray-painted) & Seals: Buna-N
- 100% factory testedrmance

FLUID: Biodiesel | Diesel/HVO/XTL | Gasoline | Kerosene

Model	Flow meter	Disch rate per revo	Adju Mini volu	Accuracy	Repeatable Tole	Package	N.W	G,W	Dimension
RJS-85	5-85L/Min	0.5L	0.05%	±0.2%	≤0.05%	1pcs/carton	7KGS	8KGS	270*270*280mm

● **RSJ-65A/B** Piston Flow Meter



RSJ-65A



RSJ-65B

Product Features |

Combined with the equipment's core parameters such as performance, precision, adaptability and practicality, the following core selling points are refined to accurately meet the needs for high efficiency, stability and precision in industrial scenarios:

- Wide Flow Range: 5-90L/min, fits diverse working conditions without equipment replacement
- Stable Working Pressure: 0.12-0.35Mpa, minimizes production errors from pressure fluctuations
- Strong Temperature Adaptability: -25°C to 55°C, works reliably in harsh environments
- Precise Control: 0.5L/rev fixed displacement + 0.05% min adjustable volume, ideal for quantitative tasks

FLUID: Biodiesel | Diesel/HVO/XTL | Gasoline | Kerosene

Model	Flow meter	Disch rate per revo	Adju Mini volu	Accuracy	Repeatable Tole	Package	N.W	G,W	Dimension
RJS-65 A/B	5-65L/Min	0.5L	0.05%	±0.2%	≤0.05%	2pcs/carton	11.5KGS	12KGS	420*260*230mm

● Motor 50 EX-proof



Product Features

- This equipment uses quality materials for re 100% copper wire (excellent conductivity, l thermal conductivity, high strength), cold-rolle rotors/stators (good toughness), and steel die life, low friction, durability). The whole machin torque, aluminum/iron shells (fast heat dis application range.
- 100% copper wire: good conductivity, low resistivity, good thermal conductivity, and high strength.The rotor and stator are made of cold-rolled silicon steel sheets, which have good toughness,
 - Steel die-casting, long service life, low friction coefficient, flexible and durable.
 - Low noise, high torque, aluminum or iron shell, fast heat dissipation, wide range of types and applications.

FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Model	Output	Voltage	Frequency	Speed	Torque	Current	Package	N.W	G.W	Dimension
M50	0.75KW	AC220V/230V	50Hz/60Hz	1400r/min	1.25N.m	5.0A	1pc/1ctn	18.5kgs	19.5kgs	40*26*26cm

● Motor 80 EX-proof



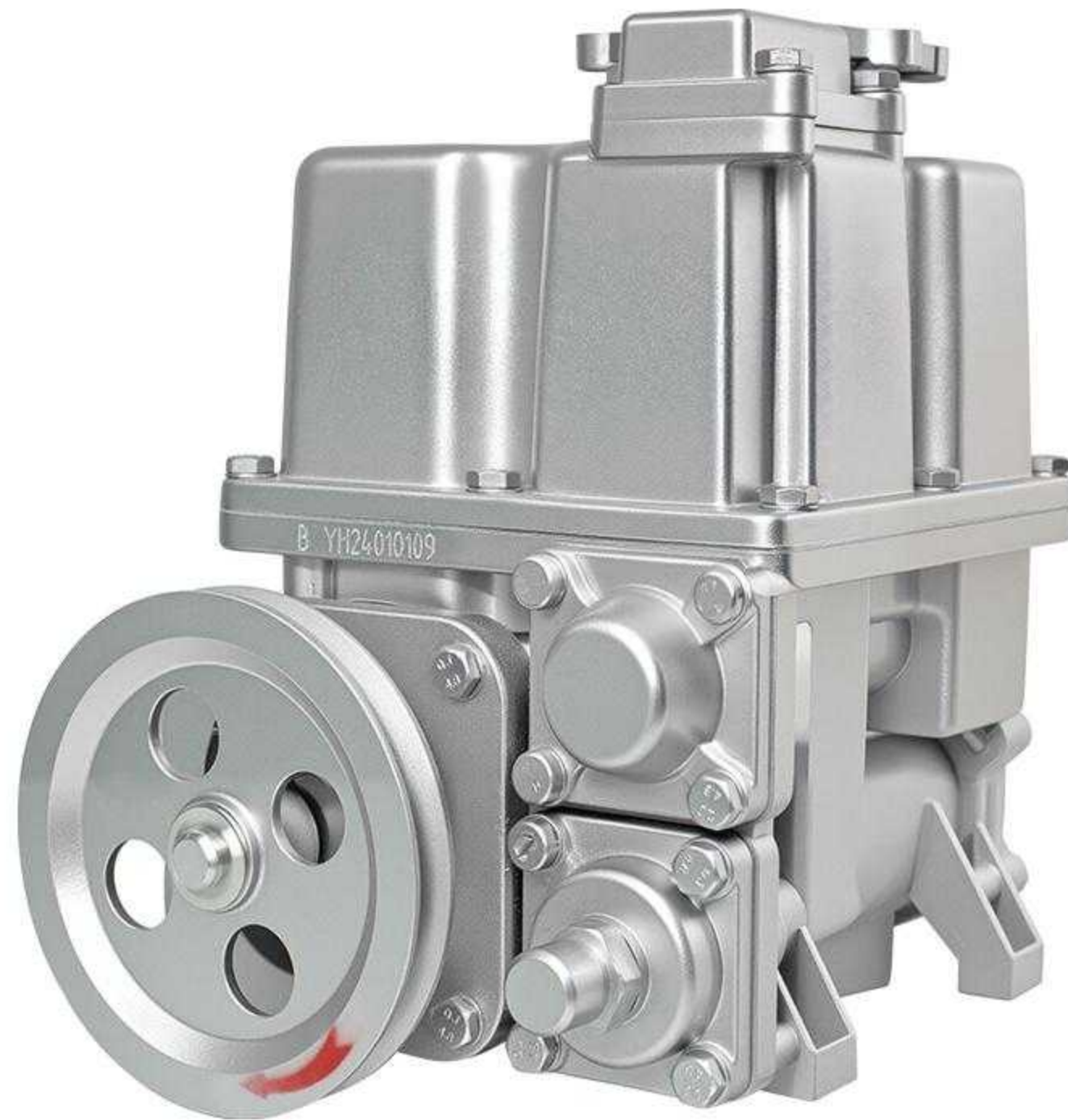
Product Features

- This equipment uses quality materials for reliable performance: 100% copper wire (excellent conductivity, low resistivity, good thermal conductivity, high strength), cold-rolled silicon steel sheet rotors/stators (good toughness), and steel die-cast bearings (long life, low friction, durability). The whole machine has low noise, high torque, aluminum/iron shells (fast heat dissipation), and wide application range.
- 100% copper wire: good conductivity, low resistivity, good thermal conductivity, and high strength.The rotor and stator are made of cold-rolled silicon steel sheets, which have good toughness,
 - Steel die-casting, long service life, low friction coefpcient, Bexible and durable.
 - Low noise, high torque, aluminum or iron shell, fast heat dissipation,wide range of types and applications.

FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Model	Output	Voltage	Frequency	Speed	Torque	Current	Package	N.W	G.W	Dimension
M80	0.75KW/1.1KW	AC380V	50Hz/60Hz	1390r/min	1.25N.m	2.6A	1pc/1ctn	11kgs	12kgs	34*25*20cm

● ZBY50/ZBY80 Bennet Pump for Gas Dispenser



Product Features

- ZYB-50 Vane pump ,built in air separator,by pass valve filter ,i three different top covers for different connecting pipes,Atype, and CType,with the advantage of low noise,high flow rate,loi service,etc.
- Efficient & Versatile Conveyance: 630 RPM speed + 45-65 L/min wide flow range, fitting diverse fluid transmission needs.
 - Reliable Vacuum Suction: ≥0.054 Mpa vacuum degree, preventing idling and ensuring stable fluid flow.
 - Low-Noise Operation: ≤72 DB, ideal for noise-sensitive workshops/labs.
 - Stable & Safe Pressure: 0.16-0.2 Mpa working pressure, avoiding overpressure risks for long-term use.
 - Compact & Easy to Install: 36×32×30 CM size, saving space for installation and storage.

FLUID: Biodiesel | Diesel/HVO/XTL | Gasoline | Kerosene

Model	Speed	Flow Rate	Vacuum	Noise	Working Pressure	Dimension	N.W	G.W	Package
ZYB-50	630 RPM	50-65L/min	>=054MPa	≤72dB	1.6-2.0Bar	35x28x38cm	15Kg	16Kg	1PCS/CTN
ZYB-80		80-100L/min			2-2.5Bar				
ZYB-120		120-130L/min			2-2.5Bar		20Kg	21Kg	

● ZCB-90 Tatsuno Pump for Fuel Dispenser



Product Features

The ZCB-90 gear pump comes equipped with a built-in air separatorand by-pass valve plter, featuring three distinct top covers (Type A, Band C) to accommodate various connecting pipes. This well-engineeredpump boasts advantages such as low noise operation, high Bow rateperformance, and an extended service life, making it a reliable choicefor diverse Buid transmission applications.

FLUID: Biodiesel | Gasoline | Kerosene

Speed	Vacuum	Flow Rate	Noise	Working Pressure
630RMP	0.054Mpa	55L/min	≤72DB	0.16-0.2Mpa

Optional configuration

Model	Motor	Flow rate	Power
ZCB-90	E:exproof	55lpm	120V/240V/380V
	N: non-exproof		

TKB-90 Tokheim pump



Product Features

This equipment uses quality materials for reliable performance: 100% copper wire (excellent conductivity, low resistivity, good thermal conductivity, high strength), cold-rolled silicon steel sheet rotors/stators (good toughness), and steel die-cast bearings (long life, low friction, durability). The whole machine has low noise, high torque, aluminum/iron shells (fast heat dissipation), and wide application range.

- 100% copper wire: good conductivity, low resistivity, good thermal conductivity, and high strength.
- The rotor and stator are made of cold-rolled silicon steel sheets, which have good toughness,
- Steel die-casting, long service life, low friction coefficient, flexible and durable.
- Low noise, high torque, aluminum or iron shell, fast heat dissipation, wide range of types and applications.

FLUID: Biodiesel | Diesel/HVO/XTL | Filter | Gasoline

Working Pressure	Flow rate	Dry Vacuum	Wet Vacuum	Power	Speed	Vertical Suction Distanc	Horizontal suction distance	Working Temperature	Noise
≤0.3 Mpa	100L/m	≥0.054Mpa	≥0.06MPa	0.75KW	660rpm	5m	80m	-50° C to 55° C	≤72dB

TK90 Tokheim pump



Product Features

Tokheim flow meter body made of cast iron , ductile iron distribution valve, advanced technology, and can be widely used in different fuel dispensers. It has the advantages of high flow rate, long service life, high precision, sturdy structure, and easy installation, making it the best choice for fuel dispenser .

- Reliable Brand Backing: Manufactured by Tokheim, a globally recognized and trusted brand in fluid metering equipment, ensuring product quality and industry credibility.
- Wide Flow Range: Covers a flow spectrum of 5L~60L/Min, adapting to diverse fluid measurement scenarios from low to high flow rates and meeting multi-demand application needs.
- High Measurement Accuracy: Boasts an accuracy of ±0.2%, delivering precise and reliable flow data, which is crucial for scenarios requiring strict control over fluid consumption or output.
- Clear Discharge Specification: Features a fixed discharge rate of 0.5L per revolution, enabling intuitive and easy calculation of total flow based on rotation count, simplifying usage and data reading.

FLUID: Biodiesel | Diesel/HVO/XTL | Filter | Gasoline

Working Pressure	Temperature	Flow Rate	Measurement Accuracy	Repeat Variation	Discharge rate per revolution	Rotary Direction of Axial	Working Life	Dimension (mm)
0.12-0.35Mpa	-50° C to 55° C	5-60L/m	±0.2% or better	0.07%	0.5L	Clockwise	≥10000000L	270x240x350

GL-600-Y Filter



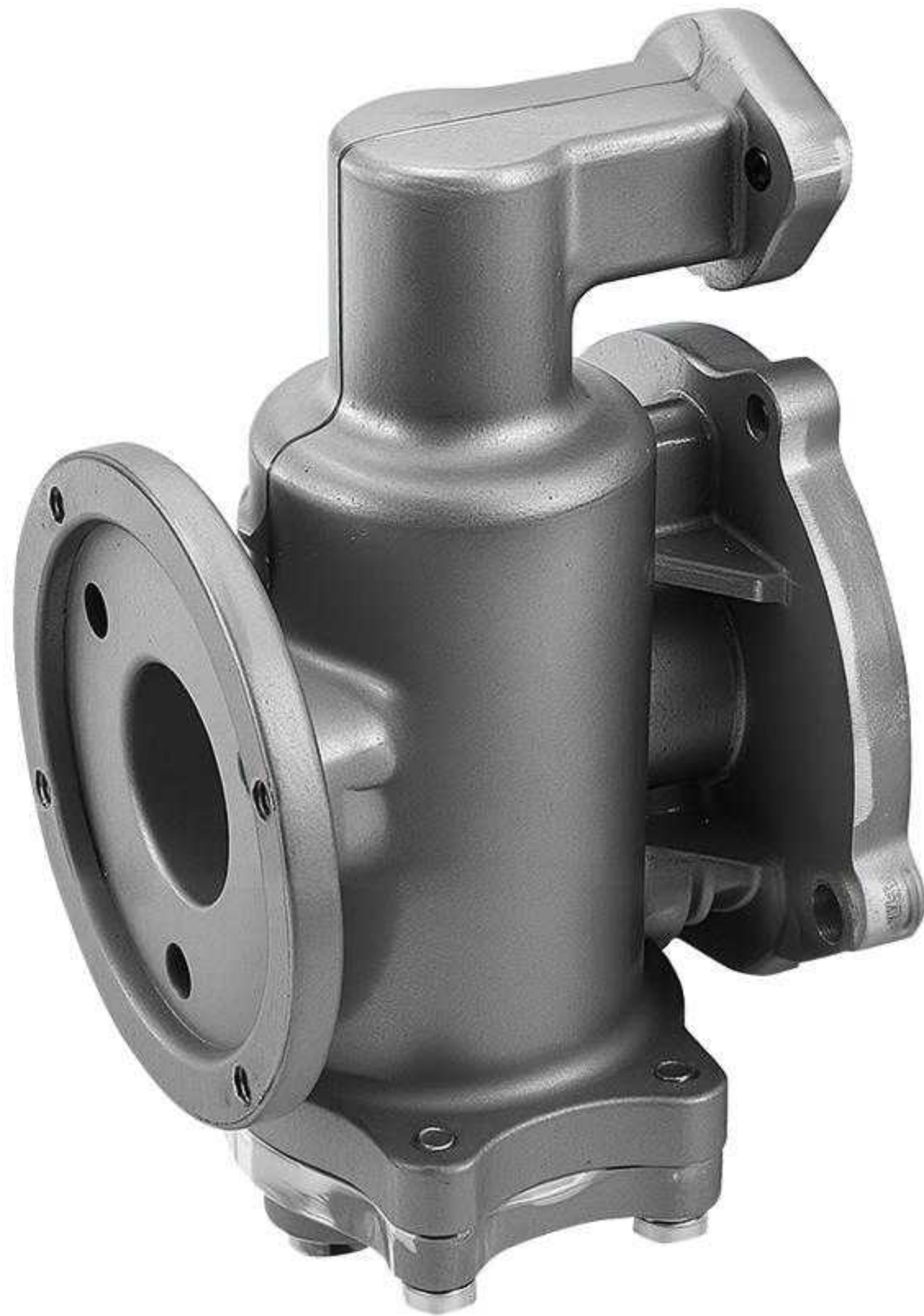
Product Features

- The fuel dispenser fter is the main device forftering olimourities, which can reduce pressure. discharge oil and iter impurties. t is easyto use, safe, and reliable, and includes an end cover, outer cylinder, and built-in filter element
- The filter is characterized in that the outer cylinder is equipped wth an oi drain hole and a matching hole plug. The ol drain hole is a circular hole withthreads located in the center ofthe end ofthe outer cylinder, The hole is a nut.Easy to disassemble, able to collect oil from the ol circuit, and dischargefiltered impurities without disassembly

FLUID: Diesel/Petrol/Biodiesel

Model	Material	Filter area	Flow (m³/h)	Working Temperature (°C)	Working Medium	Hydraulic Pressure(Mpa)
φ219*690	SUS304	0.25 (m²)	12-15 (tap water)	-5~80	Liquid	1

GL-700-Y Filter

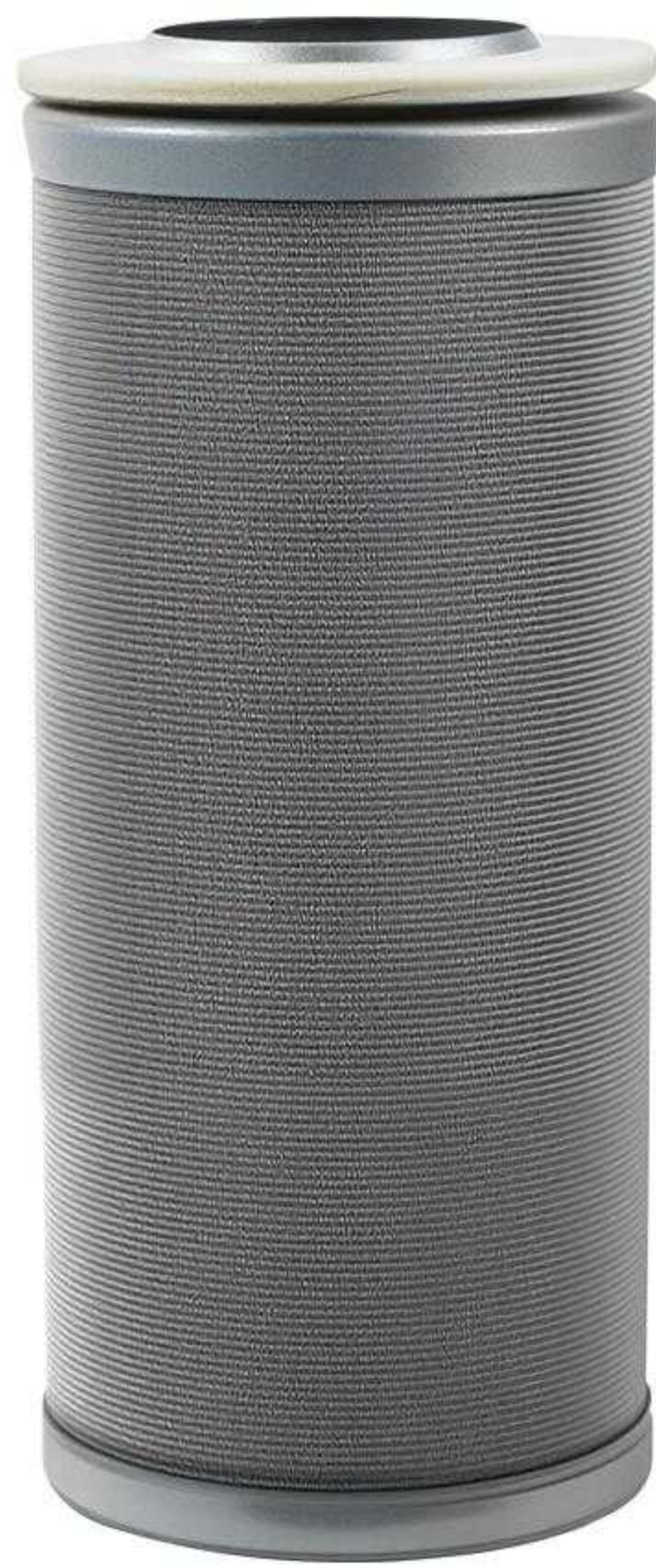


Product Features

- Traps tiny impurities effectively because of its 100μm accurate pores — balances filtration precision and speed, ideal for chemical, food, pharmaceutical and water treatment industries.
- Handles high-volume fluid filtration because of its 180mm×450mm size. Larger surface area reduces replacement frequency, cutting labor costs and downtime.
- Boasts high filtration efficiency and long service life because of multi-layer non-woven fabric. Layers trap impurities step-by-step and enhance tear resistance.

Height	Width	Length	Weight
200mm	126mm	130mm	1253g

GL-700 Filter element



Product Features

The filter element features precise dimensional and performance parameters tailored for reliable filtration applications. It has a total length of 138.5mm and an outer diameter of 59.3mm (with the unit "mm" supplemented per common industry practice for filter element dimensions). Boasting a 150-mesh filtration precision—where "mesh" denotes the number of openings per linear inch of the filter screen, ensuring effective particle retention—the element also maintains a lightweight design at just 174g. These well-calibrated specs enable it to fit diverse pipeline setups and meet various filtration requirements efficiently

Total Length of Filter Element	Outer Diameter	Mesh Size	Weight
138.5mm	59.3mm	150 Mesh	174g

● **Z054** Casting Two-flow Control Solenoid Valve (Male)



Product Features

It can be adapted to multiple media such as gasoline, kerosene, and diesel, meeting the needs of different fuel - based usage scenarios. It has strong universality, and there is no need to equip separate equipment for different oils.

- The working pressure ranges from 0.035MPa to 0.35MPa, and can be adjusted according to different pressure requirements in actual use, adapting to various working conditions with pressure requirements and ensuring the stability of operations such as transportation. The Z054 model has a flow rate of 3 - 50L/min, and the Z054 model
- has a flow rate of 80 - 90L/min. Whether it is fine operation with a small flow rate or rapid transportation with a large flow rate, there is a corresponding model to choose from, which can accurately match usage scenarios of different flow scales.

FLUID:Gasoline | Kerosene | Diesel

Model	Working Pressure	Flow	Working Voltage	Diameter
Z054	0.035MPa~0.35MPa	3~50L/min 80~90L/min	AC220V AC110V DC24V DC12V	20mm=3/4" , 25mm=1"

● **Z055** Casting Two-flow Control Solenoid Valve (Flange)



Product Features

It can be adapted to multiple media such as gasoline, kerosene, and diesel, meeting the needs of different fuel - based usage scenarios. It has strong universality, and there is no need to equip separate equipment for different oils.

- It supports multiple working voltages such as AC220V, AC110V, DC24V, and DC12V, and can operate normally in different power supply environments with few usage restrictions.
- The Z089 has a size specification of 20mm (3/4") and the Z055 has a size specification of 25mm (1"). It can be well adapted to pipelines and other equipment of corresponding sizes, is easy to install, and can be integrated into different system layouts.
- Z055 model has a flow rate of 80 - 90L/min. Whether it is fine operation with a small flow rate or rapid transportation with a large flow rate, there is a corresponding model to choose from, which can accurately match usage scenarios of different flow scales.

FLUID:Gasoline | Kerosene | Diesel

Model	Working Pressure	Flow	Working Voltage	Diameter
Z055	0.035MPa~0.35MPa	3~50L/min 80~90L/min	AC220V AC110V DC24V DC12V	20mm=3/4" , 25mm=1"

● **Z056** Casting Two-flow Control Solenoid Valve (Male+Flange)



Product Features

It can be adapted to multiple media such as gasoline, kerosene, and diesel, meeting the needs of different fuel - based usage scenarios. It has strong universality, and there is no need to equip separate equipment for different oils.

- The working pressure ranges from 0.035MPa to 0.35MPa, and can be adjusted according to different pressure requirements in actual use, adapting to various working conditions with pressure requirements and ensuring the stability of operations such as transportation. The Z056 model has a flow rate of 3 - 50L/min, and the Z056 model
- has a flow rate of 80 - 90L/min. Whether it is fine operation with a small flow rate or rapid transportation with a large flow rate, there is a corresponding model to choose from, which can accurately match usage scenarios of different flow scales.

FLUID:Gasoline | Kerosene | Diesel

Model	Working Pressure	Flow	Working Voltage	Diameter
Z056	0.035MPa~0.35MPa	3~50L/min 80~90L/min	AC220V AC110V DC24V DC12V	20mm=3/4" , 25mm=1"

● **Z057** Casting Two-flow Control Solenoid Valve (Female)



Product Features

It can be adapted to multiple media such as gasoline, kerosene, and diesel, meeting the needs of different fuel - based usage scenarios. It has strong universality, and there is no need to equip separate equipment for different oils.

- It supports multiple working voltages such as AC220V, AC110V, DC24V, and DC12V, and can operate normally in different power supply environments with few usage restrictions.
- The Z057 has a size specification of 20mm (3/4") and the Z057 has a size specification of 25mm (1"). It can be well adapted to pipelines and other equipment of corresponding sizes, is easy to install, and can be integrated into different system layouts.
- Z057 model has a flow rate of 80 - 90L/min. Whether it is fine operation with a small flow rate or rapid transportation with a large flow rate, there is a corresponding model to choose from, which can accurately match usage scenarios of different flow scales.

FLUID:Gasoline | Kerosene | Diesel

Model	Working Pressure	Flow	Working Voltage	Diameter
Z057	0.035MPa~0.35MPa	3~50L/min 80~90L/min	AC220V AC110V DC24V DC12V	20mm=3/4" , 25mm=1"

● Delivery Hose



Product Features

The oil-resistant rubber hose is a flexible pipeline specifically designed for conveying various oil-based media. It features excellent resistance to oil penetration, oil corrosion, and aging. Widely used in fields such as petrochemicals, machinery manufacturing, automotive industry, and construction machinery, it can safely transport various oil-based fluids including gasoline, diesel, lubricating oil, hydraulic oil, and engine oil. Meanwhile, it is compatible with some weakly corrosive chemical liquids, serving as a key component to ensure the stable and safe operation of oil-based medium transmission systems

Model	Length	Inner	Outer
3/4"	4m	19mm	28mm/30mm
1"		25mm	35mm/37mm

● Delivery Hose



Product Features

This Delivery Hose comes in lengths of 20/25/30/35cm. It features various configurations for End A and End B, including Rotary swivel, Unrotary swivel, and Fitting options, providing flexibility for different connection needs.

Length	End A	End B
20/25/30/35cm	Rotary swivel	Rotary swivel
	Unrotary swivel	Unrotary swivel
	Fitting	Fitting

● AC-15 Flexible Connect



Product Features

The entire body of this check valve is made of solid brass, which is strong and not easily corroded, suitable for long time use. The internal spring is stainless steel. No cheap and flimsy aluminum or plastic material.

Size	Material	Working Pressure	Working temperature
3/4" or 1" or others	Brass	1.6MPa	-20°C to 150 °C

● AC-45A Universal swivel



Product Features

The AC-45A universal swivel, made of Aluminum Alloy and Copper, is available in sizes 3/4" and 1" with BSP and NPT threads. It is installed between fuel dispensers and pipelines, can rotate in double planes, reducing and eliminating tension, avoiding hose twining, reducing abrasion, and prolonging service life, making fuel dispensing operations easier and more comfortable.

Model	Material	Size	Thread
AC-45A	Aluminum Alloy+Copper	3/4" & 1"	BSP & NPT

● AC-45B Universal swivel



Product Features

The AC-45B universal swivel, made of Aluminum Alloy, Copper, and Zinc Alloy, comes in sizes 3/4" and 1" with BSP and NPT threads. It is installed between fuel dispensers and pipelines, capable of rotating in double planes for easier and more comfortable operation. It can reduce and eliminate tension, avoid hose twining, reduce abrasion, and prolong service life.

Model	Material	Size	Thread
AC-45B	Aluminum Alloy+Copper+Zinc Alloy	3/4" & 1"	BSP & NPT

● AC-45C Universal swivel

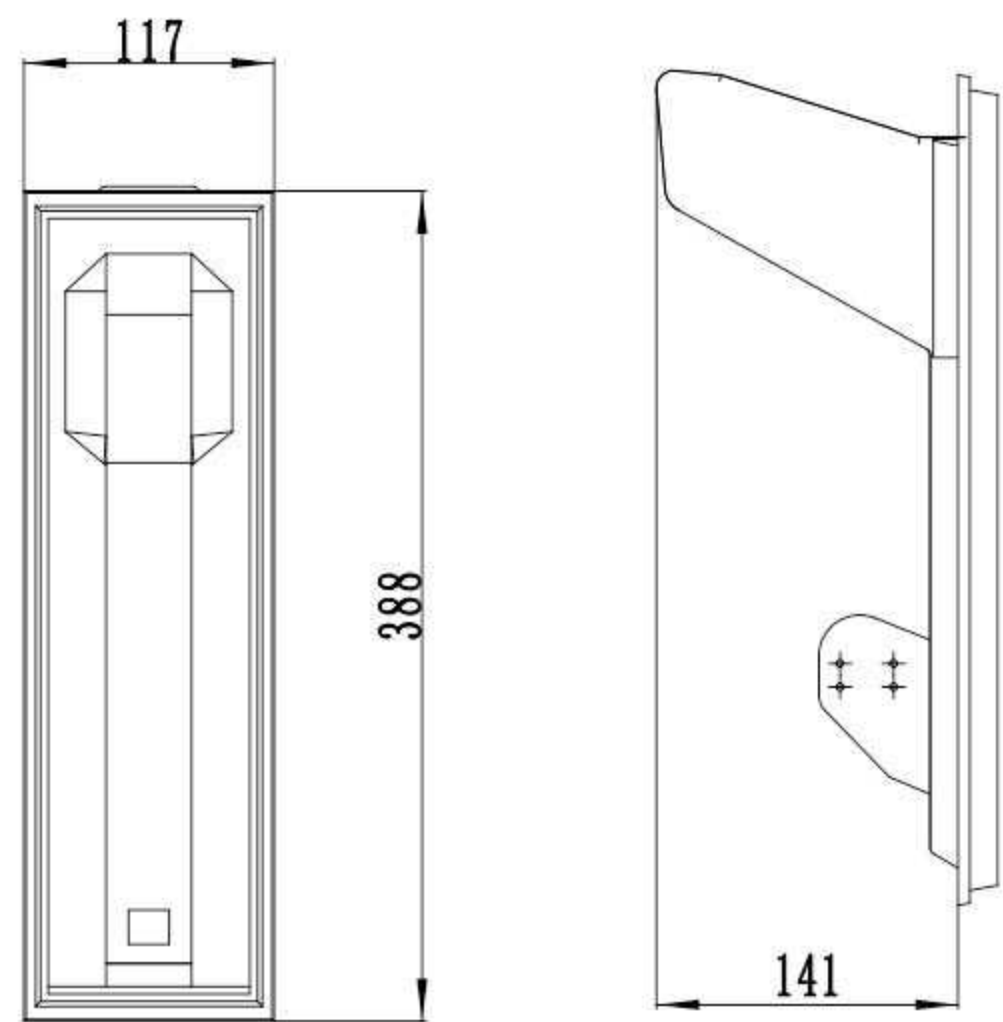


Product Features

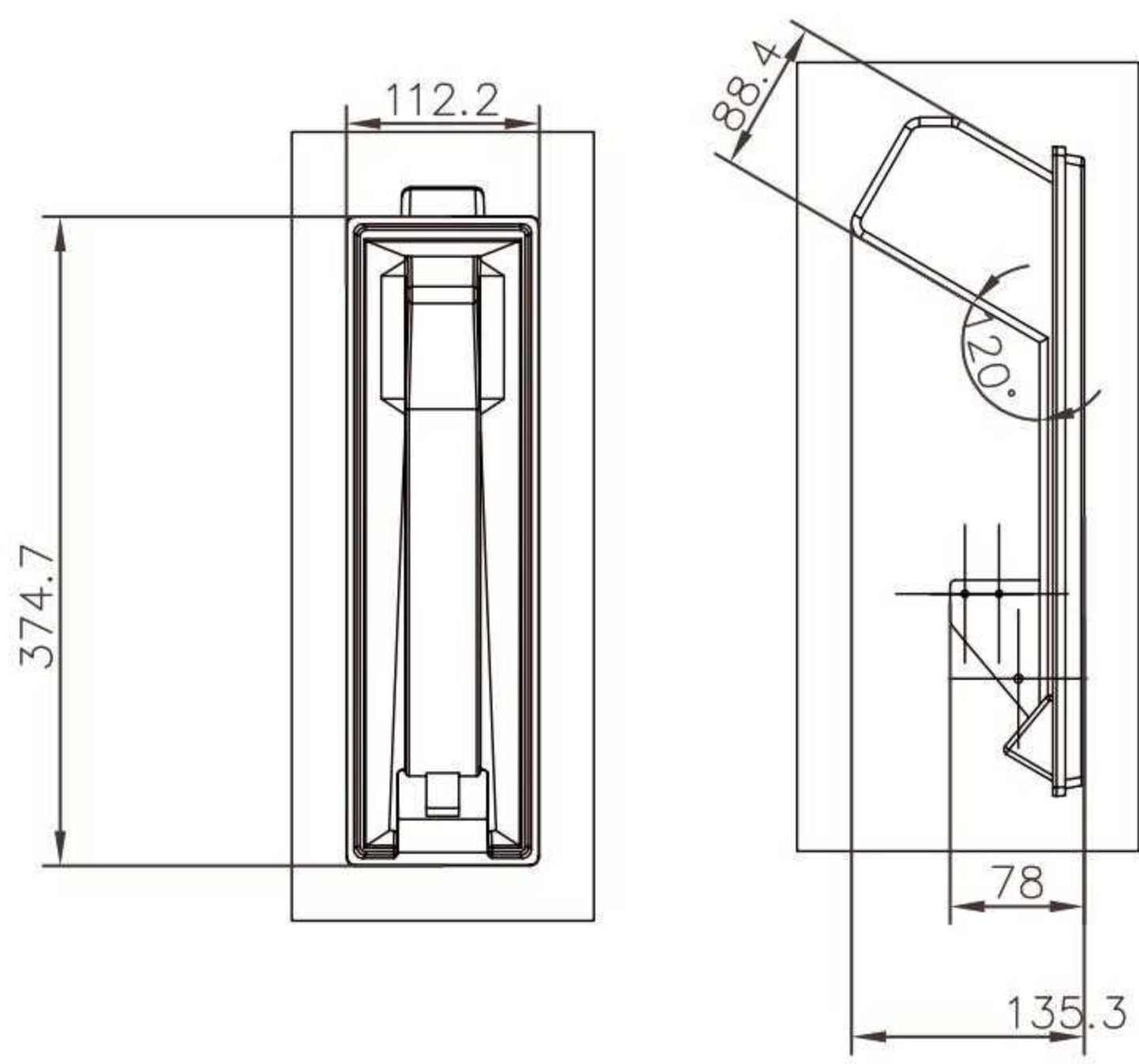
The AC-45C universal swivel, made of Zinc Alloy and Copper, is available in sizes 3/4" and 1" with BSP and NPT threads. It is installed between fuel dispensers and pipelines, can rotate in double planes for easier and more comfortable operation, reduce and eliminate tension, avoid hose twining, reduce abrasion, and prolong service life.

Model	Material	Size	Thread
AC-45C	Zinc Alloy+Copper	3/4" & 1"	BSP & NPT

● **NH01P** Nozzle Holder



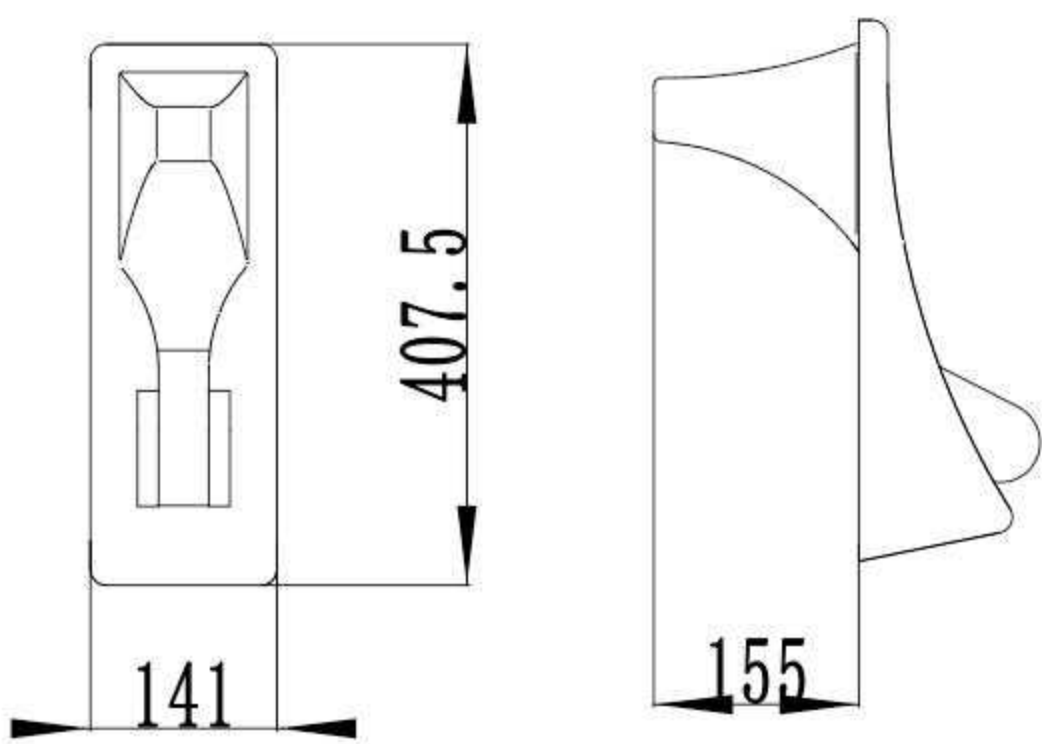
● **NH01A** Nozzle Holder



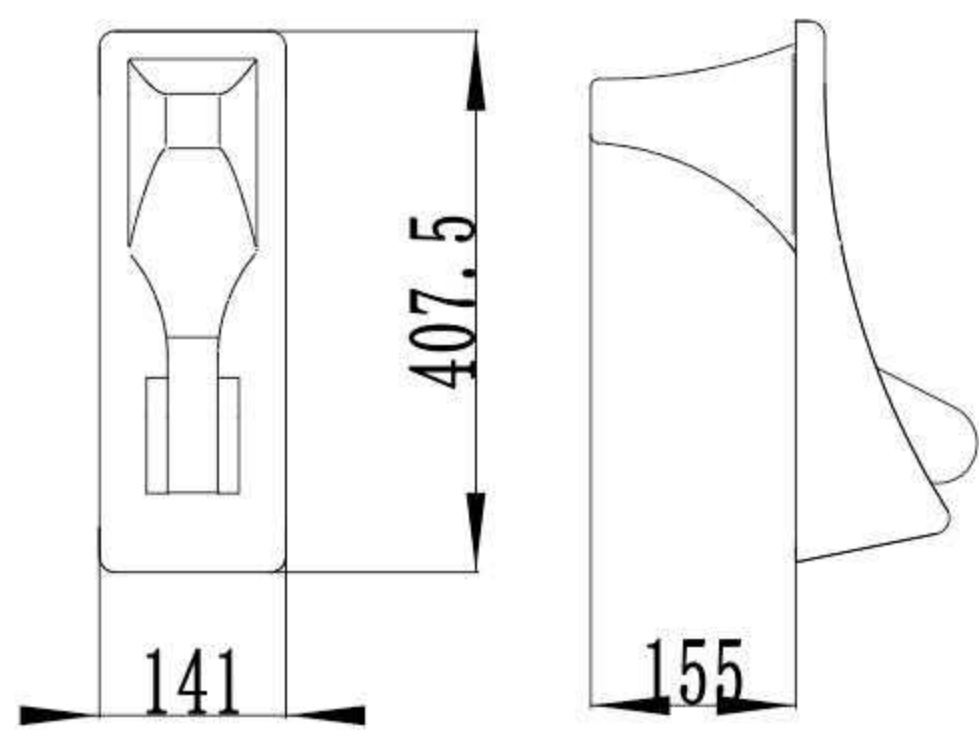
● **NH02P/NH03P/NH04P** Nozzle Holder



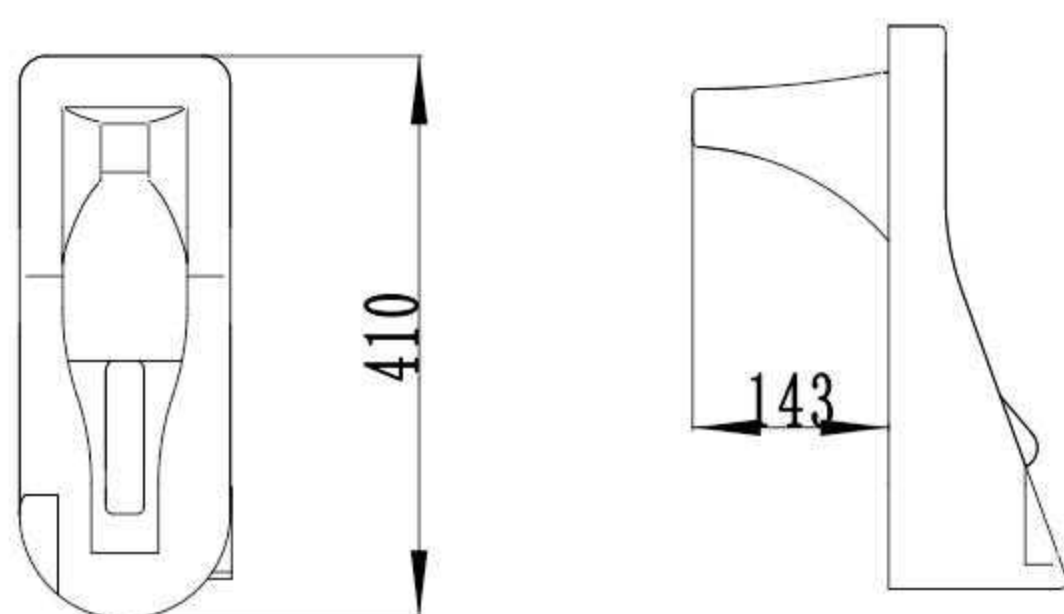
NH02P



NH03P



NH04P



● **PS-50/65/80** Fuel dispenser sensor



Product Features

Pulser adopted the best circuits and configurations from all over the world, It is designed by ourselves with multi-mode. It has the excellence with rational structure, exquisite appearance, reliable performance. It is equipped with all kinds of mechanical connecting fittings, also can be matched with all kinds of world famous brands of flow meter for fuel dispenser.

- **Diverse Material Options & Robust Surface Treatment**
Available in alloy, iron, stainless steel, stainless steel or aluminum, with black oxide and galvanized surface treatment, ensuring excellent corrosion resistance and durability for long-term use in fuel systems.
- **Precise Functionality as Fuel Distributor**
Designed as an electronic magnetic fuel distributor pulse generator, it enables accurate fuel distribution and pulse control, optimizing fuel delivery efficiency in automotive or industrial fuel systems.

FLUID: Diesel | Gasoline | Kerosene

Model	Voltage	Working current	Output channel	Signal waveform	Max rotation rate	Package	N.W	G.W	Dimension
PS-50 65/80	5VDC	5mA	2	Quadratic	300r/min	50pcs/carton	22KGS	20KGS	49*32*47cm

● **AC-SYQ-1** Oil Viwer



Product Features

AC-SYQ Series Oil Viewer Used to observe whether there are impurities and bubbles in the fuel dispenser pipeline. The product is lightweight, antioxidant, has a long service life, and high safety performance.

- **100% Factory-Verified Reliability**
Every unit undergoes comprehensive factory testing before leaving the facility, eliminating defects and ensuring consistent, trustworthy performance right out of the box.
- **Broad & Flexible Flow Capacity**
Boasts a wide flow range of 0-70L/min, easily adapting to diverse application scenarios—from low-flow precision needs to high-volume fluid transfer requirements.
Stable & Efficient Pressure Performance
Features a nominal pressure of 0.2Mpa, delivering steady operating pressure that guarantees smooth, efficient fluid movement without unexpected fluctuations.

FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Model	Intel Thread	Diameter	Flow Range	Nominal pressure	N.W/G.W	Package
AC-SYQ-1	BSPF/NPT	3/4" & 1"	0-70L/min	0.2Mpa	3/4":24kg/26kg 1": 29kg/31kg	200pcs/carton

● AC-SYQ Oil Viwer



Product Features

AC-SYQ Series Oil Viewer Used to observe whether there are impurities and bubbles in the fuel dispenser pipeline. The product is lightweight, antioxidant, has a long service life, and high safety performance

- Every unit undergoes comprehensive factory testing before leaving the facility, eliminating defects and ensuring consistent, trustworthy performance right out of the box
- Boasts a wide flow range of 0-70L/min, easily adapting to diverse application scenarios—from low-flow precision needs to high-volume Stable & Efficient Pressure Performance
- Features a nominal pressure of 0.2Mpa, delivering steady operating pressure that guarantees smooth, efficient fluid movement without unexpected fluctuations

FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Model	Material	Diameter	Flow Range	Nominal pressure	N.W/G.W	Package
AC-SYQ	Copper	3/4" & 1"	0-70L/min	0.2Mpa	3/4":24kg/26kg	200pcs/carton
					1": 29kg/31kg	

● AC-SYQ-4 Oil Viwer



Product Features

AC-SYQ Series Oil Viewer Used to observe whether there are impurities and bubbles in the fuel dispenser pipeline. The product is lightweight, antioxidant, has a long service life, and high safety performance

- Every unit undergoes comprehensive factory testing before leaving the facility, eliminating defects and ensuring consistent, trustworthy performance right out of the box
- Boasts a wide flow range of 0-70L/min, easily adapting to diverse application scenarios—from low-flow precision needs to high-volume Stable & Efficient Pressure Performance
- Features a nominal pressure of 0.2Mpa, delivering steady operating pressure that guarantees smooth, efficient fluid movement without unexpected fluctuations

FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

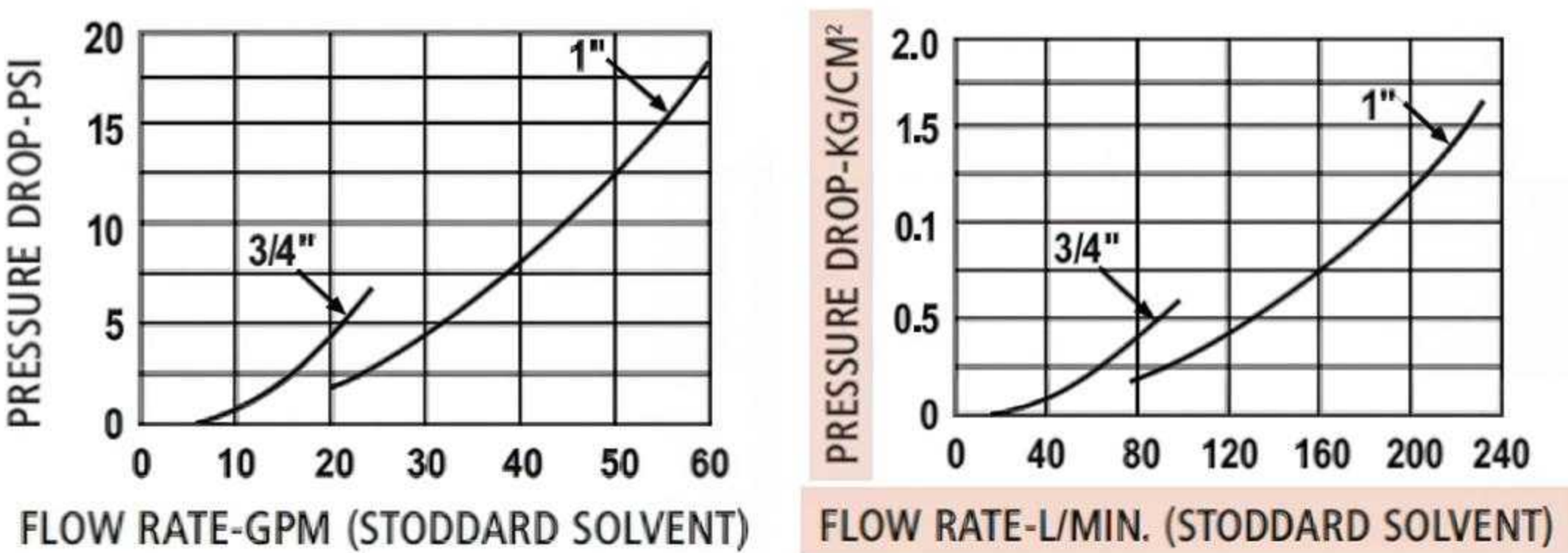
Model	Material	Diameter	Flow Range	Nominal pressure	N.W/G.W	Package
AC-SYQ-4	Aluminum	3/4" & 1"	0-70L/min	0.2Mpa	3/4":24kg/26kg	200pcs/carton
					1": 29kg/31kg	

● AC-3 Breakaway



Product Features

AC-3 Breakaways built with check valve are usedfor Connecting the hose and the dispenser. When thepull is too strong, the breakaway will be broken andclosed automatically to avoid the fuel flowing



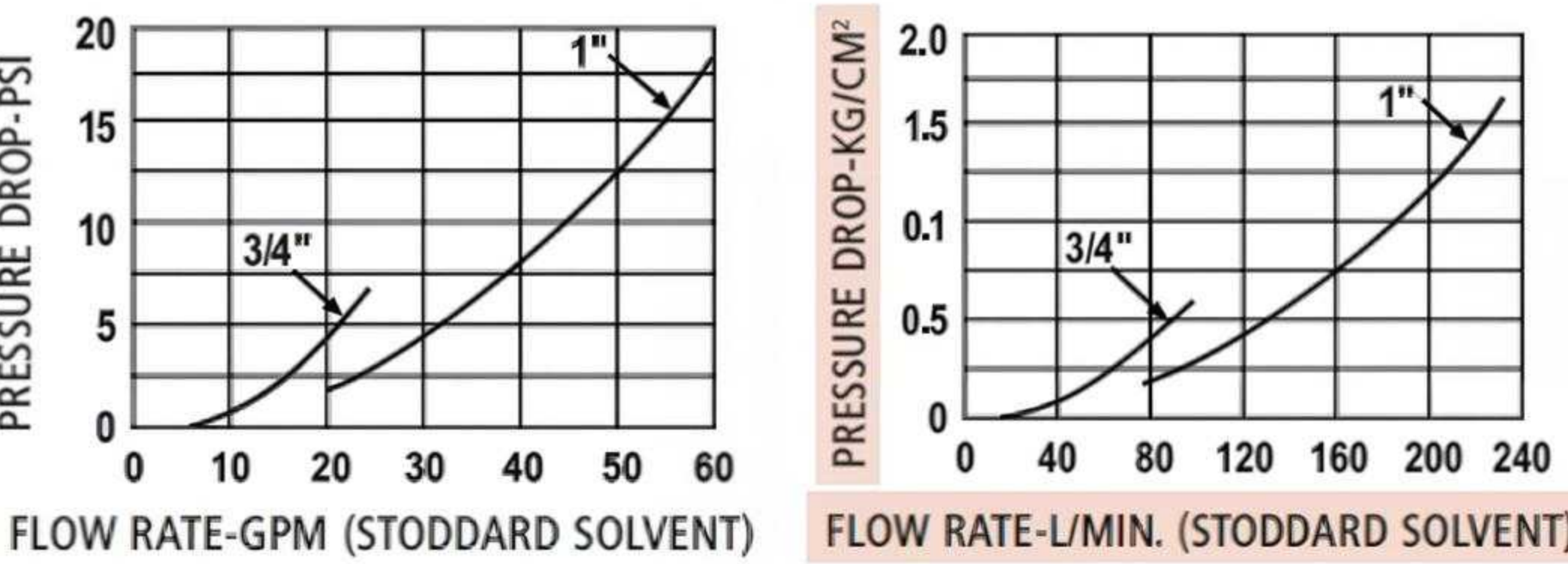
Model	Size	Max Pull	Working pressure	Flow Rate	Material	Seal	Package	N.W/G.W
AC-3	BSP/NPT	3/4" :250LBS±0.5%	50PSI	3/4" :0-60L/Min	Aluminum	Buna-N and Viton	100pcs/carton 52*28*28CM	3/4" : 28KGS 1" :32KGS
	3/4" 1"	1 " : 300LBS±0.5%		1" : 0-90L/Min				

● AC-7 Breakaway



Product Features

AC-7 Breakaways built with check valve are usedfor Connecting the hose and the dispenser. When thepull is too strong, the breakaway will be broken andclosed automatically to avoid the fuel flowing



Model	Size	Max Pull	Working pressure	Flow Rate	Material	Seal	Package	N.W/G.W
AC-7	BSP/NPT	3/4" :250LBS±0.5%	50PSI	3/4" :0-60L/Min	Aluminum	Buna-N and Viton	100pcs/carton 52*28*28CM	3/4" : 29KGS 1" :33KGS
	3/4" 1"	1 " : 300LBS±0.5%		1" : 0-90L/Min				

● AC-4 Breakaway



Product Features

AC-4 breakaway is reconnectablefor the conventional dispensing market. It is designed to be installed on fuel dispensing hoses, and will separate when subjected to a designated pull force.

- The dual valves seat automatically stopping the flow of fuel and limiting any fuel spillage, while protecting the dispensing equipment. When reconnecting the separate halves, the seals tightly on an O-ring before the poppet stems engage to open the valve.
- For proper operation on high-hanging hoses, the breakaway must always be installed with straightening hose with a minimum length of 9" . For low hose applications, it should beinstalled down-stream of retractor

FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

Model	Body Material	Main Seals	Main Spring	Guide & Poppet	Protective Sleeve	Max Pull	Working Pressure
AC-4	Die Cast Zinc	Viton	Stainless Steel	POM	PA66	250Lbs	0.18Mpa

● AC-5 Breakaway



Product Features

This Delivery Hose is available with threads including BSPF, NPT, and M34x1.5, in sizes of 3/4" and 1". It has an outlet of 3/4", and is made from aluminum, copper, and stainless steel. The pull-off force ranges from 800N to 1500N. Each carton contains 50 pieces, with a net weight of 12KGS, a gross weight of 13KGS, and dimensions of 32x26x24cm.

Size	Thread	Pull-off Force	Materials
3/4" or1"	BSP NPT M34x1.5	800N To 1500N	Aluminum

● AC-HS-1A Rotary Swivel



AC-HS-1AS

AC-HS-1A

Product Features

Swivel joints are designed and rigorously tested for applications where easy nozzle and hose with couplings handling is important for customer convenience

- Swivel joints are installed in between the nozzle and the hose with couplings to provide flexibility in the system to reduce customer strain, position the nozzle properly and reduce premature hose wear.
- HS-1A Rotary Swivels, Used for connecting the nozzle and the hose,360°swivel action

Model	Type	Size	Material
HS-1A	Rotary Swivel	3/4" 1"	Copper

● AC-HS-1B Unrotary Swivel



AC-HS-1BS

AC-HS-1B

Product Features

Swivel joints are designed and rigorously tested for applications where easy nozzle and hose with couplings handling is important for customer convenience

- Swivel joints are installed in between the nozzle and the hose with couplings to provide flexibility in the system to reduce customer strain, position the nozzle properly and reduce premature hose wear.
- HS-1B, Un-rotarySwivels Used for connecting the nozzle and the hose.

Model	Type	Size	Material
HS-1B	Unrotary Swivel	3/4" 1"	Copper

● HS-2A/2B Rotary /Unrotary Swivel



AC-HS-2AS

AC-HS-2BS

Product Features

Swivel joints are designed and rigorously tested for applications where easy nozzle and hose with couplings handling is important for customer convenience

- Swivel joints are installed in between the nozzle and the hose with couplings to provide flexibility in the system to reduce customer strain, position the nozzle properly and reduce premature hose wear.
- HS-2AS Rotary Swivels, Used for connecting the nozzle and the hose,360°swivel action
- HS-2BS, Un-rotarySwivels Used for connecting the nozzle and the hose.

Model	Type	Size	Material
HS-2AS	Rotary Swivel	3/4" 1"	Copper
HS-2BS	Unrotary Swivel		

● AC-11 Emergency shut off valve



Flow Rate	Valve close speed	Moment of Force	Inlet/outlet	Thread	Working Pressure	Package
0-120L/Min	0.5 S	350-550NM	BSP/NPT 1.5"	Male/Female	0.2Mpa	10pcs/carton 41*33*23cm

Product Features

Based on the core parameters of the equipment (presumed to be industrial valves such as globe valves and control valves) and the key demands in industrial equipment procurement (stability, adaptability, efficiency, cost, etc.), the following core selling points are summarized, covering four dimensions: performance, adaptability, practicality and cost-effectiveness

- Wide temperature adaptability: Operates stably at -30°C~55°C, no extra temperature control needed.
- High efficiency: 0.2Mpa pressure + 0-120L/Min flow; 0.5s fast valve closing (ensures safety & quick medium switch)
- Dual thread standards: BSP/NPT 1.5" inlet/outlet, fits global pipelines (no adapters required).
- Flexible configurations: Optional single/double poppet valves; male/female threads (matches on-site needs directly).

● AC-09 Angle Check Valve



Product Features

- Installed on suction systems and fuel lines atop fuel storage tanks to maintain prime.
- Models available with male threaded inlets for direct tank bungconnection or female inlets for nipple connection.
- Single-poppet models are suited for easy maintenance anddisc cleaning or replacement; spring-loaded poppet andbuna-N discs keep the valve closed in high-vibration areas.
- Recommended for suction lines with pressure not exceeding 34 feet of head (15 psi):100% factory tested.

Inlet/Outlet Diameter	Body Material	Package
1.5" /2 "(40mm/50mm)	Cast Iron	15pcs/carton

● AC-13 Foot Valve



Product Features

Installed on the bottom of suction tubes in the fuel storage tank to maintain prime in suction system fuel lines.

Double-poppet models provide redundant protection for holding the prime, and are ideal for installations where the valve is not easily accessible

Speed	Thread	Material	Working temperature
0.5S	BSPF/NPT 1.5'	Brass	-20°C to 50 °C



Vapor Recovery Series

Compliance with Environmental Standards: Effectively controls the emission of Volatile Organic Compounds (VOCs), with an emission concentration far lower than national and local environmental limits. It helps enterprises achieve green operations, reduce air pollution, and protect the ecological balance.

VRB-110/ACNP80/AC-VRP-60/AC-VYP-110EX/AC-VRC02



Fuel station



AC-VRB-80



AC-VRP-60



AC-VRP-80



AC-VYP-110EX



AC-VRH-110



AC-VRC01



AC-VRC02



AC-VP-60

● AC-VRB-80 Vapor recovery pump



Product Features

This device is for gasoline refueling and oil - gas recovery. It auto - controls pump speed and adjusts the oil - gas recovery ratio. With a wide adjustment range, not affected by flow rate, and a compact structure.

- Ultra-Compact Design: Saves installation space significantly, easily fitting into dense layouts of high-traffic sites (e.g., busy gas stations).
- High-Traffic Adaptability: Maintains stable performance even under continuous, heavy-duty operation, ideal for scenarios with frequent refueling demands.
- Effortless Maintenance: Simplified structure reduces downtime for upkeep—routine checks and part replacements can be done quickly.
- Exceptional Energy Efficiency: Low power consumption cuts long-term operating costs, aligning with energy-saving and sustainability goals.

FLUID:Gasoline | Diesel

Voltage	Power	Protection Class	maximum flow	maximum speed	Explosion-proof Mark	air line connector
36VDC	45W/72W	IP55	80L/min	1500RPM	Ex db II AT3 Gb	1/2"

● AC-VRP-60 Vapor recovery pump



Product Features

Oil-free and maintenance-free design with a long service life, suitable for both mechanical and electronic proportional valves. Integrated flame arresters are installed on both inlet and outlet ports to ensure safe operation.

- Excellent material selection, small size, light weight, beautiful and corrosion-resistant.
- The structural design is reasonable, compact, and easy to install, connected to the external motor through a pulley.
- The power consumption of a single pump is only 150W, which is energy-saving and efficient.
- The transmission shaft can rotate freely, with soft piston action, low noise, and wear resistance.
- Stable performance, reasonable price, fully capable of meeting the power needs of oil and gas recovery pumps

Model	Voltage	Power	Current	Flow Rate	Speed	Max. Vacuum	Vapor Hose Thread	Package	N.W/G.W
AC-VRP-60	220V/380VAC	370W	1/3	60L/min	2800RPM	0.04Mpa	BSPF1/2"	Single Pump:46x20x30cm Double Pump:50x26x24cm	12Kg/13Kg 14Kg/15Kg
AC-VRP-80	36VDC	45W	2A	80L/min	1500RPM	0.04Mpa		Pump Only: 42x34x37cm Full set: 41x35x 33cm	20Kg/21.5Kg 17Kg/18Kg
AC-VRP-110	220V/380VAC	120W	1.2/0.4	80L/min	1500RPM	0.25Mpa		38x23x25cm	13Kg/14Kg

● AC-VRP-110EX Vapor recovery pump



Product Features

Self-developed by the company, this decentralized pump is suitable for two-stage oil and gas recovery of gasoline dispensers at gas stations, and can also extract flammable and explosive gases (e.g., gas, coal gas, hydrogen). It is applied in packaging, machinery, petrochemical industries, with advantages of simple structure, reliable performance, low noise, light weight and attractive appearance.

- This explosion-proof vapor recovery pump is equipped with an explosion-proof motor and comes with an explosion-proof certification.
- The AC-VRP-110EX oil and gas recovery pump is directly driven by a motor.
- The blades are made of special PPS material, which has self-lubricating, high and low temperature resistance, corrosion resistance and other properties.
- The pump body, pump ring, and end cap are made of ductile iron and have undergone anti-corrosion treatment on their surfaces.

FLUID:Gasoline | Diesel

Max Flow Rate	Set Vacuum	Voltage	Current	Motor Power	Inlet/Outlet	Noise	N.W/G.W	Dimensions
110 L/min	22-26 kPa	380V / 220V 50Hz	0.44 A / 1.6 A	120 W	BSP1/2"	<65 dB(A)	12kg/13kg	210×370×240mm

● AC-VRH-110 High quality vapor recovery petroleum hose



Product Features

The Aocheng vapor recovery consists of an inner rubber layer, metal braided reinforcement layer, and outer rubber layer. The metal braiding provides excellent torsional resistance, low elongation, and extended service life.

Aocheng vapor recovery Hose specifically designed for gasoline and diesel applications, including oxygenated fuels and additive-blended gasoline. This vapor recovery hose features a reverse coaxial construction for simultaneous oil-vapor transfer in fuel recovery

- The hose end is equipped with a rotating joint for easy installation, preventing tangling, twisting, and kinking
 - The hose contains an internal metal braided layer that provides excellent anti-kink properties, pressure resistance, and effective static conductivity.
- Specialized products like cold-resistant steam hoses can be customized for extreme operating environments. Various adapters can be added to fit nozzles from different brands. To accommodate practical needs across regions, Aocheng provides

FLUID:Gasoline | Diesel

Connction Dimension	length	Oil passage diameter	Work Temperature	N.W/G.W	Dimensions	Packing
M34*1.5	4.5 M/6M	3/4 or 7/8	-20°C~+55°C	25kg/28kg	570*300*550mm	5pcs

● **AC-VRC01** Vapor recovery breakaway valve coupling for fuel nozzle



Product Features

Also called an emergency disconnection device, it is installed at the connection between the delivery pipe and fuel nozzle. Designed for gas stations with oil-gas recovery systems, it automatically and quickly disconnects the nozzle from the delivery pipeline/equipment in emergencies (e.g., accidental pipe pulling). It prevents oil leakage, ensures personal safety, reduces accident losses, and avoids environmental

- The vapor recovery breakaway valve is a kind of reusable safety device which is installed between the fuel nozzle and vapor recovery hose.
- In case the vehicle being refueled drives away abruptly, the breakaway valve will disconnect to seal up the oil circuit in order to protect the fuel dispenser, hose components and the vehicle.

FLUID:Gasoline | Diesel

Maximum flow rate	Thread	Working pressure	Sealing material	Maximum allowable pressure	N.W/G.W	Size
50 L/min	M34×1.5	0.22 Mpa	Imported fluororubber nitrile rubber	0.35 MPa	15kg/17kg	470mm×350mm×225mm

● **AC-VRC02** Vapor recovery sight glass for oil vapor recovery



Product Features

Vapor recovery sight glass allows the customers to see whether the fuel (clean or contaminated) passing from the hose. The oil and gas by recovery is through the pipe which is in the middle of the oil indicator.

- Tailored for the "delivery, inspection, and recovery of oil" scenario, it perfectly matches the workflow of oil vapor recovery systems, ensuring seamless integration and reliable operation in oil handling processes.
- Features a standard M34×1.5 inlet and 3/4" oil outlet, which are widely compatible with common pipeline components in the oil industry, reducing installation adaptation difficulties and improving assembly efficiency.
- The φ12.8 gas inlet is designed to match the flow requirements of oil vapor, ensuring smooth gas circulation during recovery.

FLUID:Gasoline | Diesel

Inlet	Oil outlet	Gas inlet	Thickness of sight windows	Over all Dimensions	N.W/G.W	Measure
M34*1.5	3/4"	φ12.8	5mm	12.5×6.8×10.4 cm	0.55kg each 5.5kg/case of 10	34.2*27.5*9.2cm³

● **AC-VP-60**



● **AC-VP-70**



● **AC-VP-80**



Product presentation:

vapour recovery nozzles are suitable for full electronic vapour/volume control dispensers. The fuel-dispensing nozzle with an automatic safety shut-off for wet-hose use with electrical operated petrol dispensing pumps for the 'active' vapour recovery. Each nozzle has been subject to stringent tests before leaving the factory and validated by the applied markings.

Materials:

Body: aluminium alloy
Seals: viton
SPOUT: brass with nickel coated

GUARD: aluminium
Lever: electrophoresis coated
Covers: Soft PVC

FLUID: Diesel/HVO/XTL | Gasoline | Kerosene

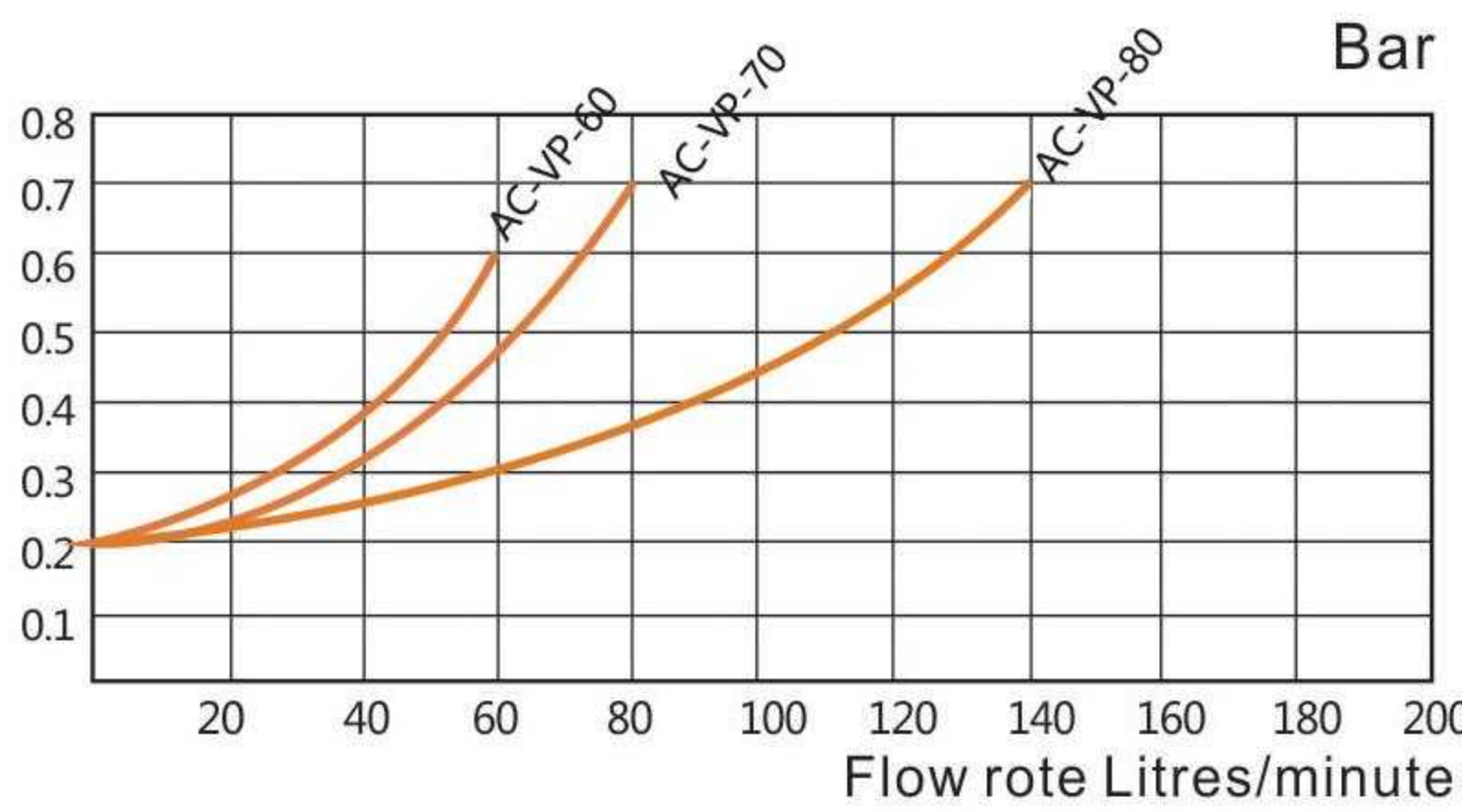
Item	Inlet Thread	Flow Rate	Max.pressure	Material	Temperature	Weight	Working Pressure
AC-VP-60	M34X1.5mm	0-40L/Min	0.35Mpa	Aluminum	-20°C±40°C	1.6kgs	0.22Mpa
AC-VP-70		0-40L/Min				1.6kgs	
AC-VP-80		0-45L/Min				1.2kgs	

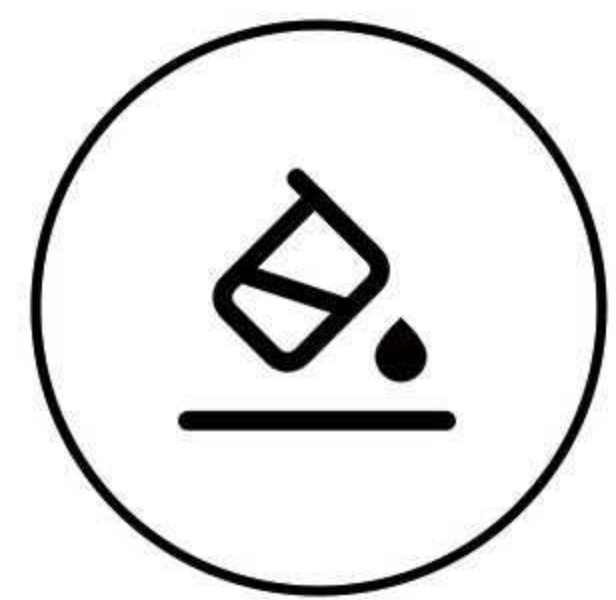
AC-VP (Product Features)

- APPLICATION: For all normal gasoline fuels - leaded or unleaded. Not suitable for water and hydrous liquids, alcohols, solvents, viscous oils and diesel fuels.
 - EQUIPMENT: TRISTOP=venturi controlled automatic shut-off + safety (protection when tilting and falling)+optionally with pressure controlled safety shut-off.
 - SPECIFICATION: Automatic nozzle series for motor car refueling up to 45L/min, with Vapour recovery for working pressure from 0.5bar up to 3.5bar, at ambient temperatures from -20°C up to +55°
 - AVAILABLE COLORS: Red, Yellow, Blue, Green, Black.
- THREE POSITION HOLD-OPEN DEVICE: control of hold-open mechanism means easy setting of flow rate

Warning:

Using foreign objects to hold open automatic nozzles could result in failure to shut-off and personal injury.





Truck Solutions Series

AOCHENG wide portfolio allows to create fully equipped delivering systems for the measurement, pumping and control of Fuels. All components are approved and suitable for semi-trailers, bobtails and hydrant dispenser.

Refined fuels business includes Gasoline, Diesel and Oil both for private and retail delivery. AOCHENG can provide a wide range of products for tanker truck customers.

MC-05/M-40-1/SM-50/3244-1/1.5" /YB-50/OGM-1-40/PPPO-40/YB-80



TRUCK SOLUTIONS



MC-05



M-40-1



SM-50



3244-1/1.5"

AOCHENG



YB-50



OGM-I-40



OGM-R-40



YB-80

• MC-05 Flow Meter Tank Truck Gravity Unloading Flow Meter

Product Features

- Advanced Turbine Technology:
Allows you to control the volumes delivered to each of your stations simply and quickly.
Facilitates split deliveries and product return tracking for all types of diesel and gasoline.
- Electronic Calculator:
Equipped with a large LCD and waterproof screen.
Integrates Bluetooth for data retrieval and geolocation of measurement data and calculator
- Design and Application:
3" turbine flow meter suitable for mobile applications.
Ergonomic design with two non-slip handles for labor-saving operation.

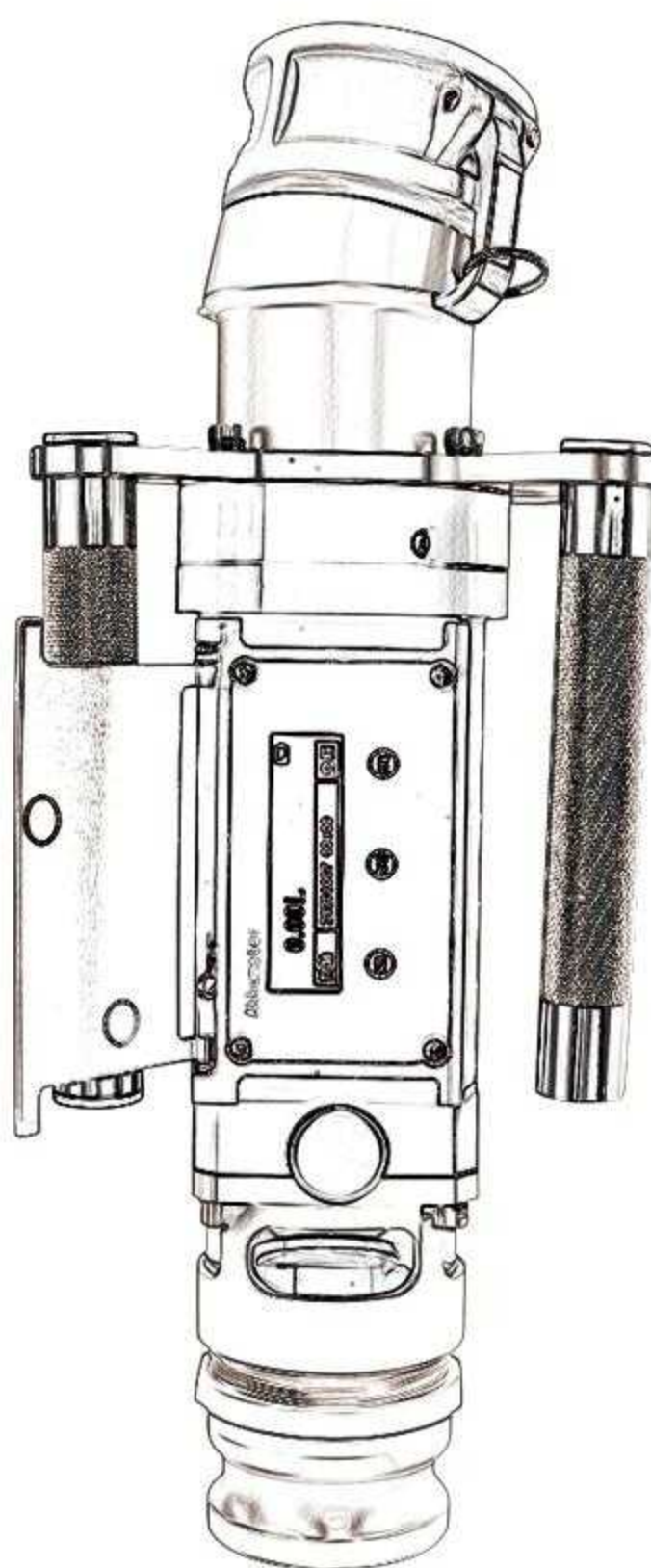
Benefits

- Quick & easy to use
- Mobile & autonomous
- Lightweight & compact
- Multi-products
- No product retention
- Bluetooth connectivity
- Easy maintenance
- Large LCD screen easy to read
- Heavy duty
- History data management
- Customized fluid parameter
- Temperature monitoring



FLUID: Biodiesel | Diesel/HVO/XTL | Gasoline | Kerosene

Item	Specification
Model	MC-05
Applicable medium	Gasoline, Diesel, Kerosene, JET and other petroleum products
LCD screen	English interface 7 digits display
Size	3 inches (DN80)
Accuracy	± 0.2%
Repeatability	± 0.02%
Product weight	6kg
Body material	Aluminum
Flowrate range	8-80m³/h(130-1300L/min)
Minimum scale	1L
Explosion-proof grade	Ex ia II BT4 Ga
Protection grade	IP67
Temperature range	-25 C to +55 C
Maximum pressure	0.5MPA
Viscosity range	≤13mm²/s
Power supply	2X3.6V Lithium batteries (battery life is about 2 years)



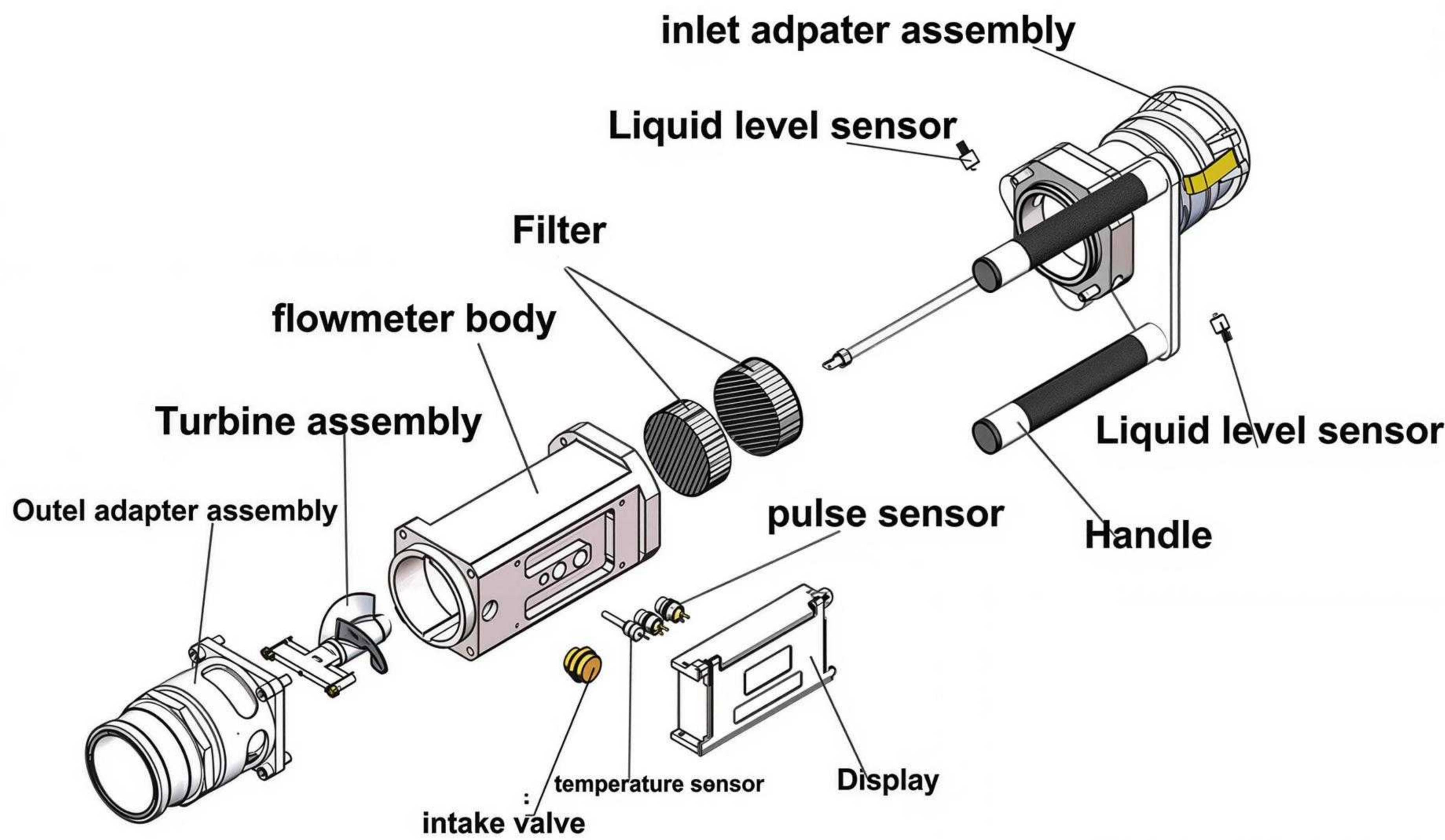
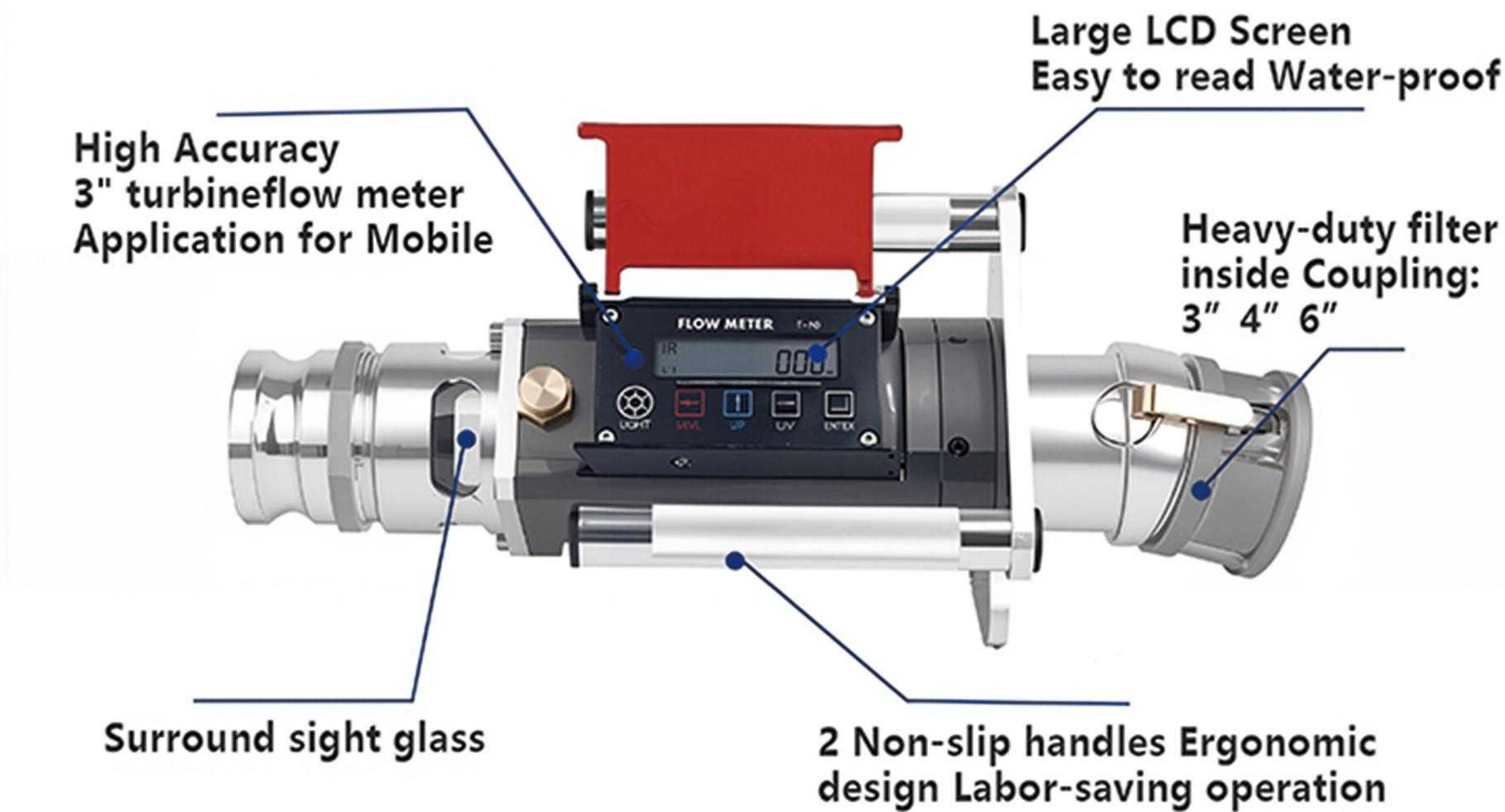
Application

- Product metering during delivery operations to gas stations
- Tank truck, rail car product reception control
- Reduce the risk of fraud
- Partial or full compartment deliveries
- Measurement of product returns

Constitution

- 3" Turbine
- Liquid sensor
- Adaptable inlet/outlet coupling

• Details introduction



●M Series Positive Displacement Flow Meter



Product Features

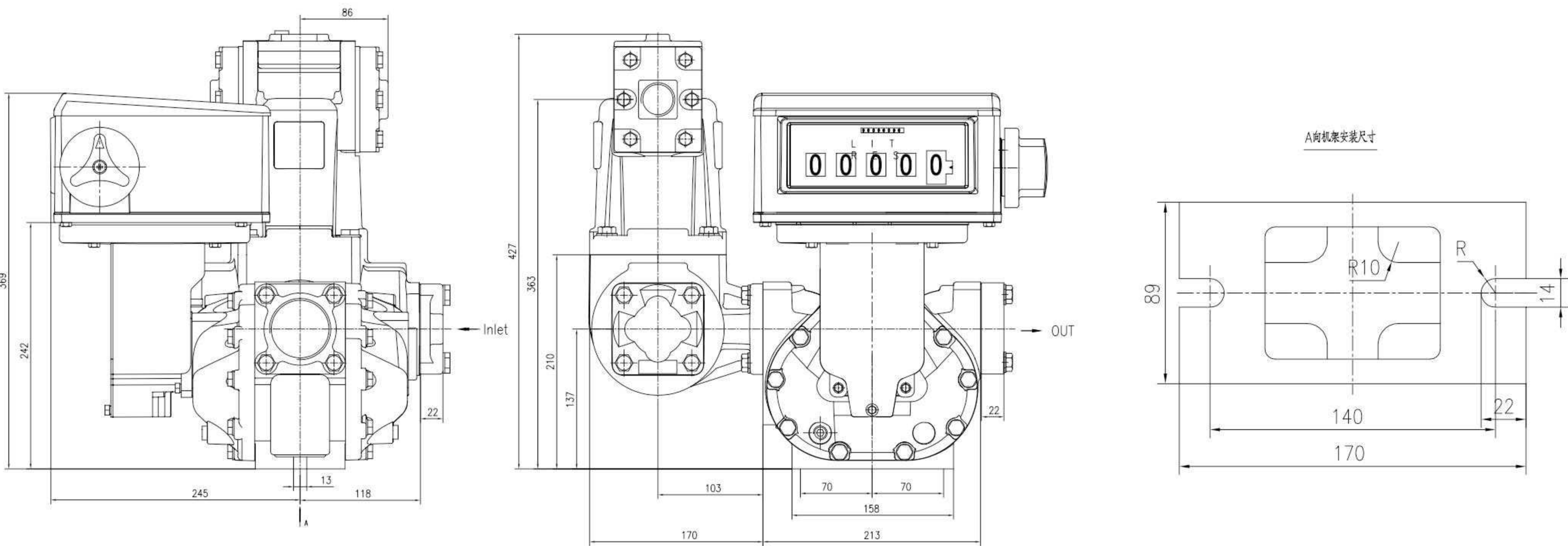
Positive Displacement Flow Meter with Robust positive displacement mechanical design and Low pressure loss, long service life,another features is Calibrator adjustable to 0.2% custody accuracy.

- The M Series Positive Displacement fow meter combines excellent accuracy with low-pressure drop
- This meter is built with advanced materials of construction for a broad range of measurement applicationsfewer recalibrations and longer service lifeand is accompanied by a full selection of accessories and electronic registration.

FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Model	M-40-1	M-50-1	M-80-1	M-100-1	M-150-1
Size	40mm/1.5 "	50mm/2"	80mm/3	100mm/4	150m m/6"
Flow Range(L/min)	25-250	38-550	75-1150	130-1700	225-3000
Volume Per Rev	0.309L	0.681L	1.839L	5.102L	9.507L
Max Pressure	145psi(1oBar)				
Accuracy	±0.2%				
Re peatability	≤0.05%				
Standard Measurement	Liter/US Gallon/Imp Gallon				
Packing Dismensions	42*37*33cm	53*48*53cm	58*50*61cm	76*64*72cm	80*65*79cm
Net Weight	23kg5	26kgs	40kgs	70kgs	13okgs
Gross Weight	35kgs	38kgs	55kgs	90kgs	155kgs
Package	1pc/Wooden Box				

Product Dimensions



●M-50-NX-1

Meter with Manual Preset Meter, Printer and Mechanical Register



Product Features

The combined manual preseter and mechanical register are ideal for situations where basic standalone metering is required, or where the site or environment cannot easily support the installation of more complex electronic registers and control systems. A key advantage is that no power is required to operate the mechanical head. It enables you to select and automatically control preset valve closure, ensuring an exact predetermined volume is delivered.

- M Meter with manual preseter meter mechanical register and printer.
- Preset meter with mechanical preset register, printer, strainer, alreliminatorand preset valve.

FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Max pressure	Volume per rev	Body	Inlet / Outlet	Accuracy	Repeatability
10.5Bar	0.681L/ 1.839L	Alloy aluminum	2" 3"	±0.2%	±0.05%

●M-50-G-1

Meter with Printer and Mechanical Register



Product Features

Meter with mechanical register, printer,strainer, air eliminator

- Excellent stepless adjusting mechanism allows a micro adjustment of the meter
- High accuracy and repeatability over the widest range of flow; superior accuracy
- Low maintenance, no metal-to-metal contact in measuring chamber, long life service
- Low pressure loss, a true gravity flow meter
- Accuracy regardless of pressure fluctuations, temperature variation, viscosity
- Choice of aluminum, cast iron and stainless steel materials of construction

FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Max pressure	Volume per rev	Body	Inlet / Outlet	Accuracy	Repeatability
10.5Bar	0.681L/ 1.839L	Alloy aluminum	2" 3"	±0.2%	±0.05%

● **M-100-KPX-1** Meter with Electronic Register, Solenoid Valve



FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Max pressure	Volume per revolution	Inlet/Outlet	Valve type	Voltage
10.5Bar	5.102L	2" / 3" / 4"	Stainless steel dual-flow piston solenoid valve	AC 220V/50Hz DC 12V/24V

Product Features

The meter is equipped with an electronic register, a strainer, an air eliminator, and a solenoid valve.

- High accuracy ensured by the dual-flow solenoid valve
- Preset fueling function
- Compatibility with printers (can be connected to a printer)
- Automatic calibration function

● **M-50LPG** Positive Displacement Flow Meter for LPG



FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Product Features

The M-50 LPG positive displacement flow meter features a robust positive displacement mechanical design, low pressure loss, and a long service life. Another feature is that its calibrator can be adjusted to achieve a custody accuracy of 0.2%.

Model	M-50LPG
Flow rate	38-550L/min
Accuracy	±0.2%
Repeatability	≤0.05%
Max pressure	16Bar
Temperature range	-30°C~70°C
Dimension	71*53*62cm
Net weight	38kgs
Gross weight	48kgs
Package	1pcs/plywood case

● **SM Series**

Positive Displacement Flow Meter



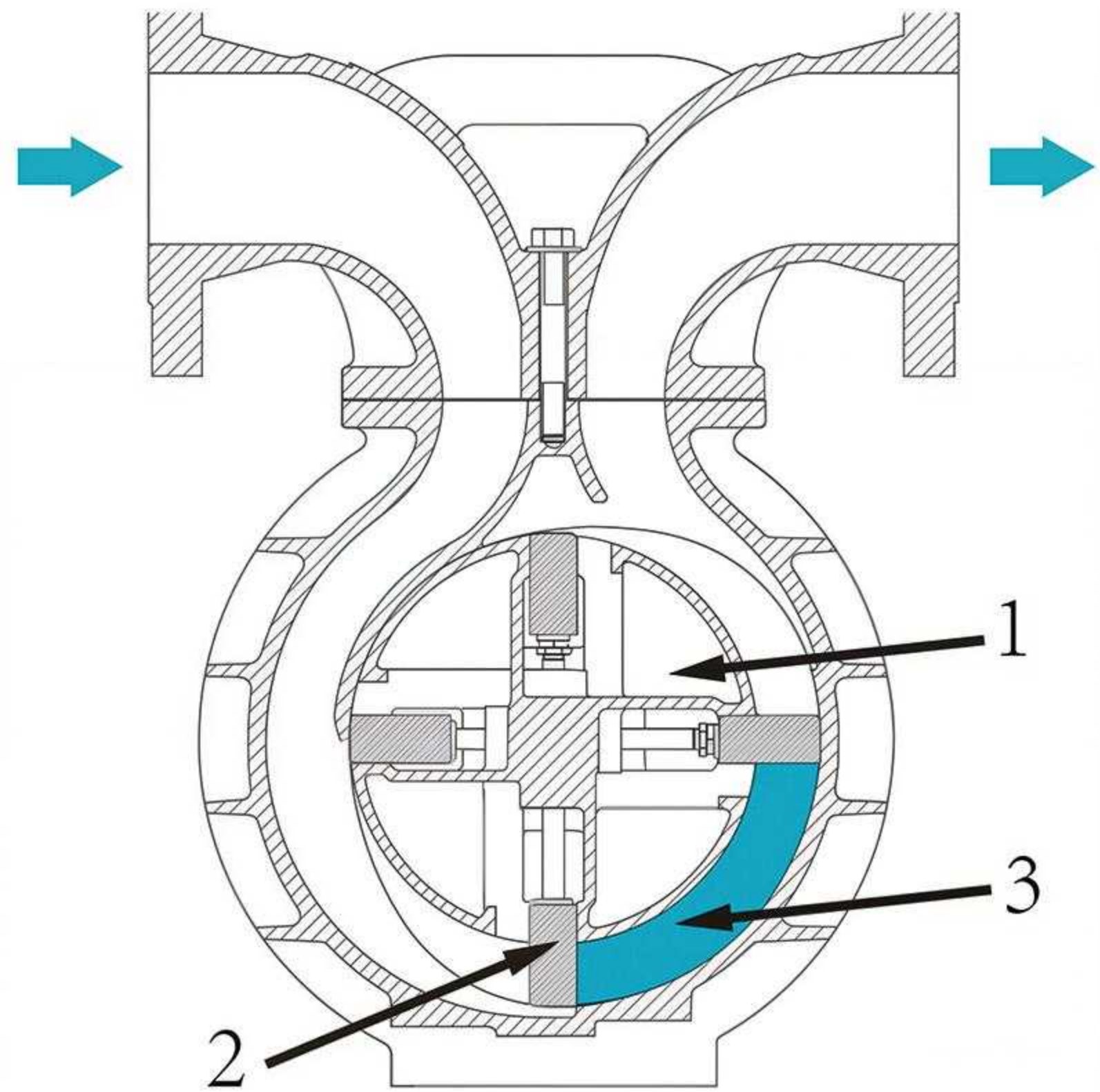
FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Model	SM-50	SM-80
Size	50mm/2"	80mm/3"
Volume per Revolution	0.4L/0.1US Gallons	2.27L/0.6US Gallons
Min Flow Rate	40L/Min	133.3L/Min
Max Flow Rate	400L/Min	1333L/Min
Accuracy	±0.2%	±0.2%
Repeatability	≤0.05%	≤0.05%
Working Temperature	-40°C~60°C	-40°C~60°C
Max Viscosity	800cps/3850 SSU	800cps/3850 SSU

Product Features

The SM Series is a Positive Displacement Flow Meter. Here is its description:

- It is mainly composed of a mechanical counter, gear assembly, regulator, drive gear, connector, cylinder block, rotor assembly, and blades
- Under the system pressure, the blades and rotor are driven to rotate. Meanwhile, the blades reciprocate along the cylinder curve piece to discharge oil quantitatively, drive the transmission shaft to rotate, and output signals to the mechanical counter, thus realizing flow measurement
- Key components are made of alloy materials and engineering plastics, featuring corrosion resistance, wear resistance, and excellent sealing performance.



● **SM WITH PULSER Series**

Positive Displacement Flow Meter

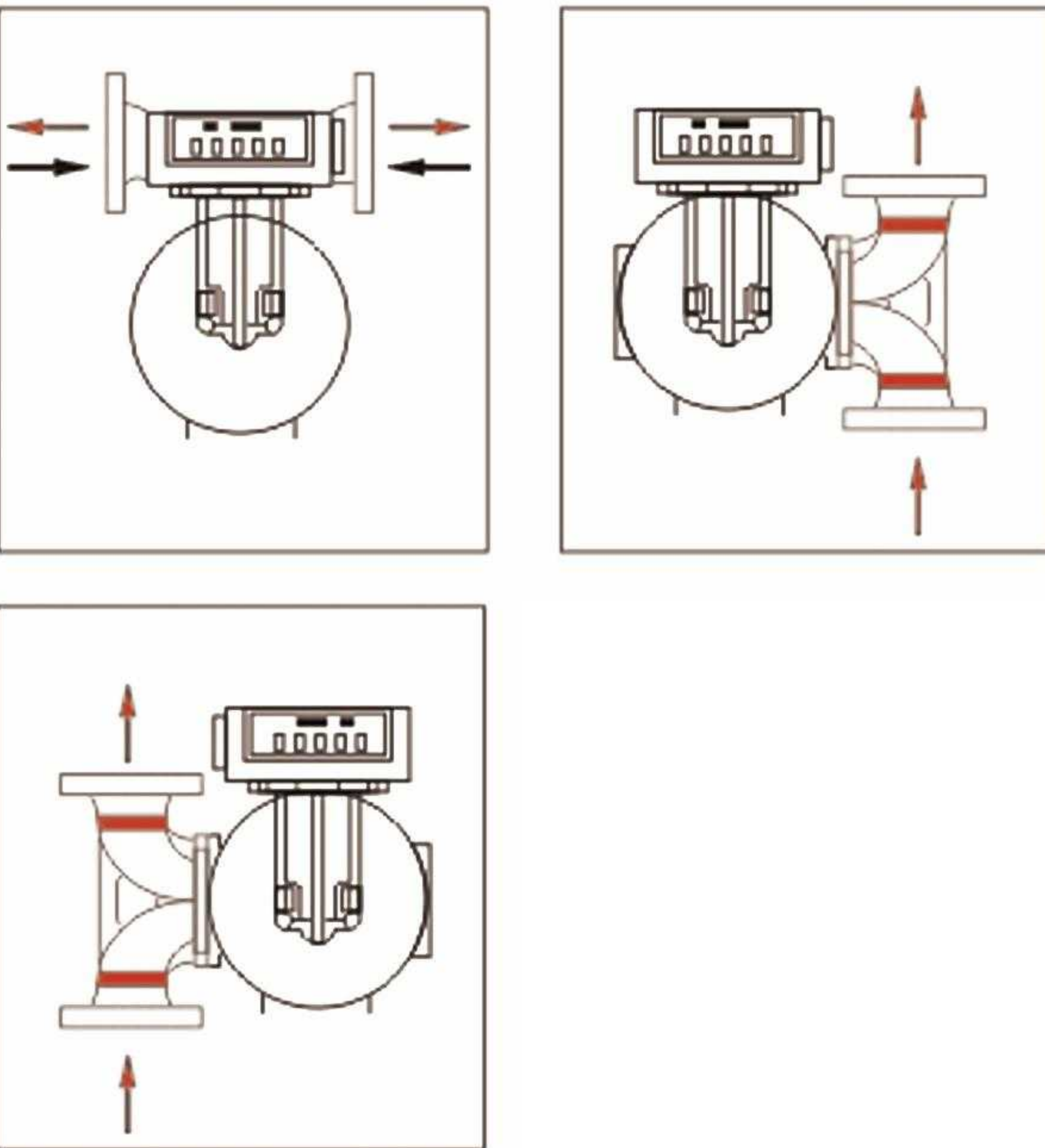


FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Model	SM-50	SM-80
Size	50mm/2"	80mm/3"
Volume per Revolution	0.4L/0.1US Gallons	2.27L/0.6US Gallons
Min Flow Rate	40L/Min	133.3L/Min
Max Flow Rate	400L/Min	1333L/Min
Accuracy	±0.2%	±0.2%
Repeatability	≤0.05%	≤0.05%
Working Temperature	-40°C~60°C	-40°C~60°C
Max Viscosity	800cps/3850 SSU	800cps/3850 SSU

Product Features

The stepless adjusting mechanism allows micro-adjustments of the meter. A specially designed manifold is separated from the measuring chamber for flexible installation. It features low pressure loss. The simple construction of rotor blades ensures easy maintenance and low maintenance costs. Wear compensation maintains high accuracy over the years. The meter is suitable for viscous products with a viscosity of up to 800 cSt.



●Air Eliminator PD Flow meter spare part



Product Features

Designed to extract free or accumulated volumes of air or vapor from a liquid dispensing system to achieve accurate measurement results.

- With Float Ball
- Smart size easy to install
- Long service life
- High reliability

Diameter	Material
2"/3"/4"/6"	Aluminum

●Check Valve PD Flow meter spare part

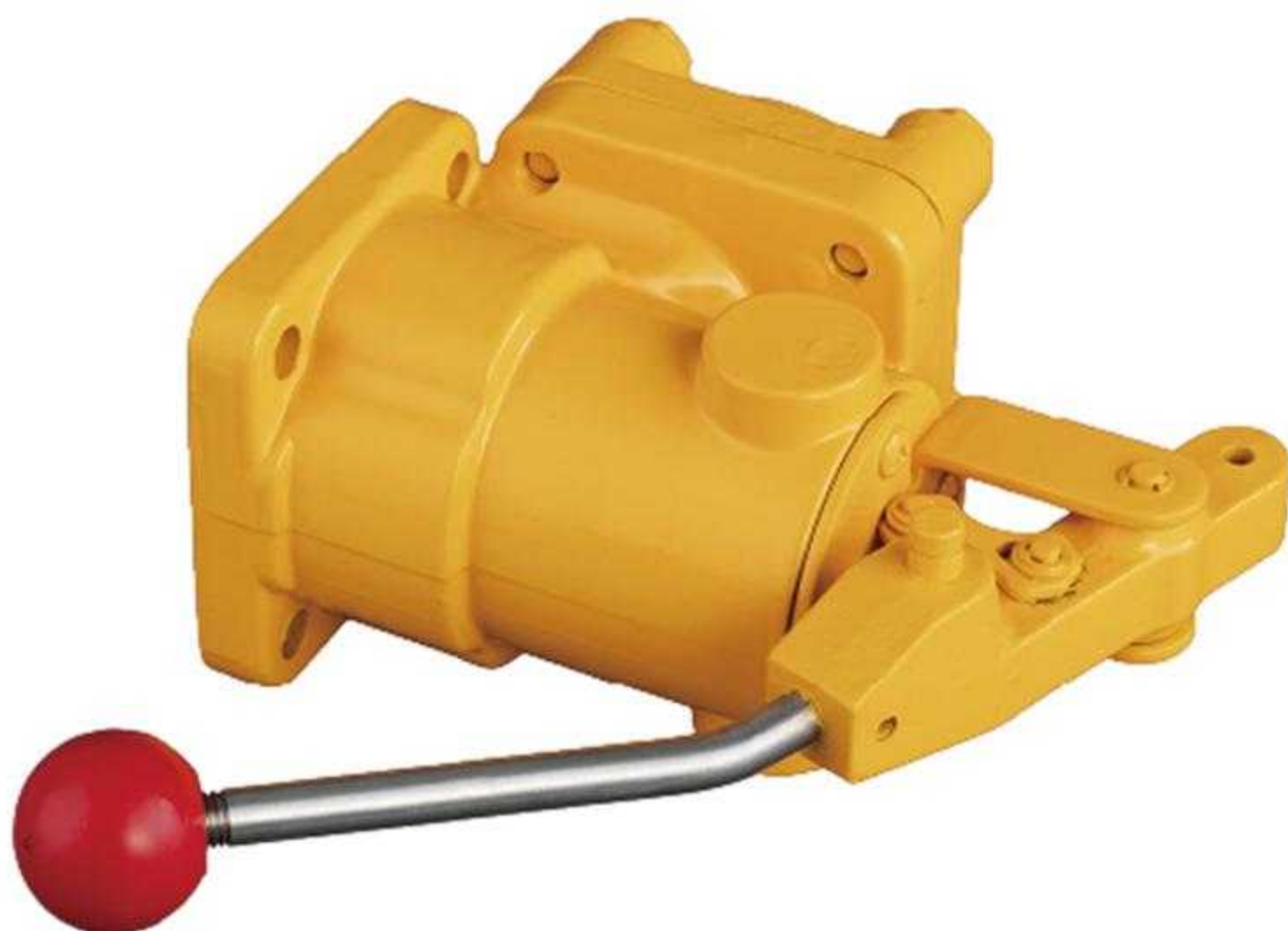


Product Features

- Mount on the meter outlet
- Provide tight shutoff with smooth and easy operation.
- Stop liquid flow when air is present to ensure accurate measurement.Designed for Mechanical Positive Displacement Flow Meter

Diameter	Material
3"/4"	Aluminum

●Preset Valve PD Flow meter spare part



Product Features

- Allows for auto-batch preset deliveries. The inline, two-stage control valve is mechanically linked to mechanical preset meter.
- Mount on the outlet of meter
- Operated manually
- Provide tight shut-off with smooth and easy operate.

Diameter	Material
2"/3"/4"	Aluminum

●Strainer Basket PD Flow meter spare part



Product Features

The proper strainer basket to use depends on the product and viscosity ofthe product overthe expected range of metering temperatures.

Strainer Mesh	General Application
20M	Motor oils and Viscous products
40M	Heating oil, Diesel fuel, Light oils
80M	Gasoline,Solvents
100M	Gasoline,Solvents,LPG
200M	LPG only

●ACP-1 Mechanical Register



Product Features

- Versatile Application: Ideal for various industries.
- High-Speed Performance: Handles high-speed deliveries.
- Clear Display: Large, easy-to-read figures.
- Reliable Technology: Operates at up to 250 RPM.
- Precision Totalizer: Tracks up to 99,999,999 units.
- Durable Components: Long-lasting acetate resin parts.
- Easy Reset: Positive action knob reset.

Dimension	Gross Weight	Net Weight	Packgae
34*28*37cm	9kgs	8.5kgs	2pcs/CTN

●ACP-2 Mechanical Preset Register

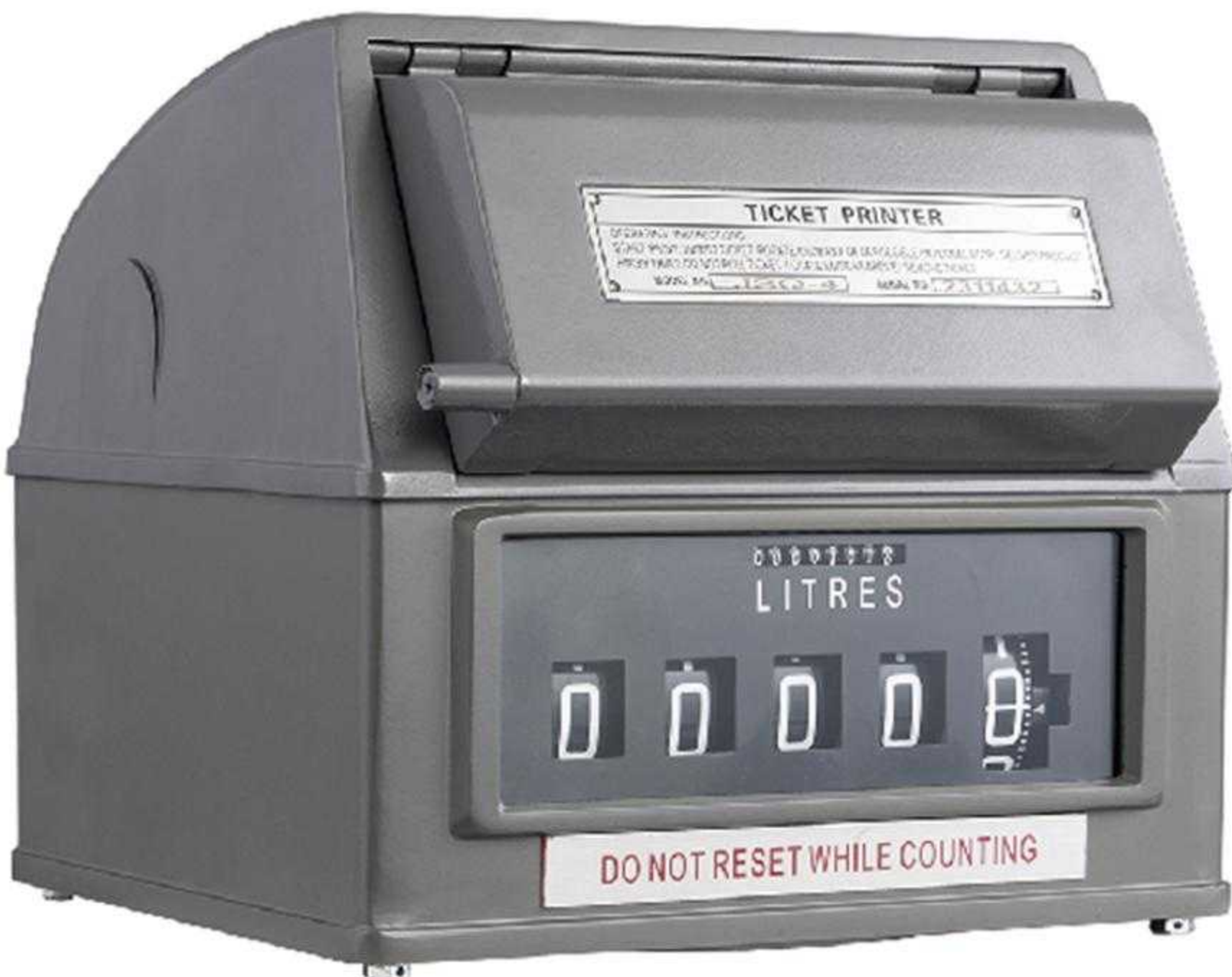


Product Features

- Available for either single-stage or two stage valve closure
- Sets a predetermined volume and controls a mechanically linked
- To be connected with preset valve

Dimension	Gross Weight	Net Weight	Packgae
34*28*37cm	9kgs	8.5kgs	2pcs/CTN

●ACP-3 Printer with Mechanical Register



Product Features

- Easy to read
- Positive action knob reset
- Mechanical register with printer is an ideal mechanical to print out the transaction record

Dimension	Gross Weight	Net Weight	Packgae
34*28*37cm	9kgs	8.5kgs	2pcs/CTN

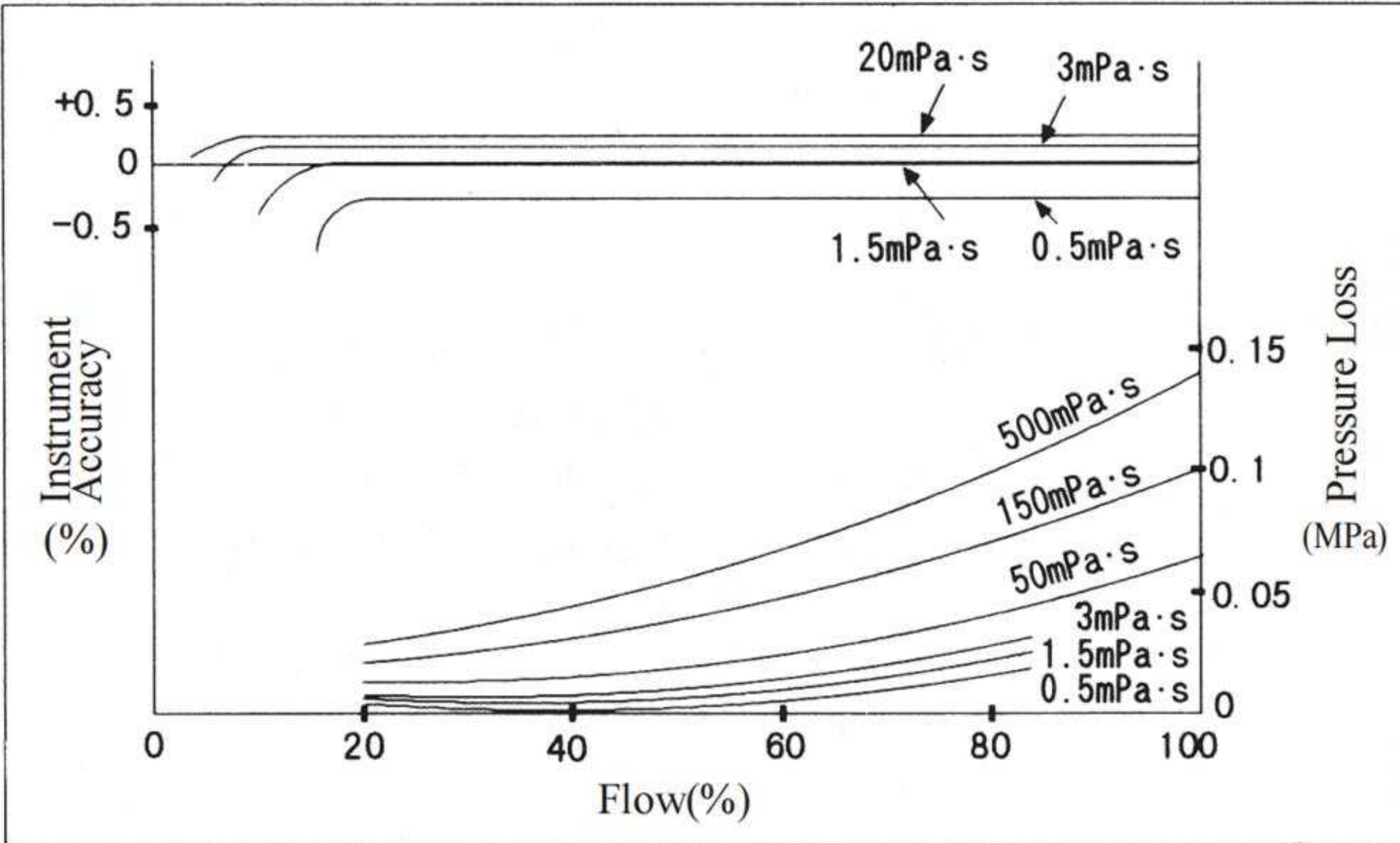
●FRP-25/FRP-80 Flow Meter



Product Features

The Positive Displacement Oil Flowmeter for general use is a positive displacement type flowmeter composed of two rotors, which enables direct flow measurement. Due to the non-contact rotation of the two rotors, there is little deterioration in accuracy. This flowmeter features high accuracy and a wide flow range.

- High accuracy
- Accuracy is within ±0.5%
- Fluid is directly measured by gear or roots, enabling accurate
- The flowmeter is compactly designed, yet the indicator is easy to read.
- Simple structure enables long term durability with virtually no degradation of accuracy.



FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Accuracy		±0.5% or ±0.2%
Flow Range		0.6~130m³/h
Max Working Pressure		2.5MPa
Hydraulic Test Pressure		3.75MPa
Max Working Temperature		Gasoline,Kerosene, diesel/light oil:50℃ A.B.C heavy oil:100℃ With fin:150C
Flange Rating		FC250:JIS10K FF SCPH2:JIS10K,20K RF ASME-JPI 150.300RF
Material	Body	FC250(Cast iron) SCPH2(Cast steel)
	Rotor	FC(Cast iron) AC7A(Aluminum alloy)
Counter Unit		04X2:Totalizing counter (7 digits), Reset conter (5 digits) 02X2:Totalizing counter (7 digits)
Electrical Transmitter Unit		Non-contact type (F) Reed switch type (S)(R) Microswitch type (M)
Flow Direction		Right→Left(Standard)
Painting color		Munsell 1.4PB 3.1/1.2

●OGM-R-25 Oval Gear Meter



Product Features

The LPG-25 meter with oval gears is designed to measure the volumetric quantity of non-aggressive petroleum products. It is equipped with a mechanical registration device (SR), a signal acquisition device (USD), or a controller with an electronic digital indicator of instantaneous, single, and cumulative fluid flow. A filter must be installed before the meter, no more than 3000 mm away, with filter elements that do not allow particles larger than 0.10 μm to pass through.

Principle of operation:Two oval-shaped gears, rotating under the action of a liquid stream and engaged with each other, measure a certain volume of liquid with each revolution. The rotation of the gears is transmitted to the counting mechanism, where it is converted into volume units.

FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Flow rate	Accuracy	Min adjustable quantity	Displacement per revolution	Max work pressure	Repetitive error	Package	N.W/G,W	Dimension
20-120L/Min	±0.5%	0.1%	0.5L	1.6Mpa	≤0.07%	1Pcs/Carton	6.5/7.5kgs	26.5*20*20cm

●OGM-R-40 Oval Gear Meter



Product Features

The LPG liquefied gas flowmeter is used in liquefied gas dispensers. It adopts a cast iron shell, stainless steel cylinder liner, four piston stroke structure, and an imported built-in check valve. It has the characteristics of high strength, good wear resistance, high measurement accuracy, and long service

- High Precision: ±0.2% accuracy for reliable LPG trade settlement.
- Wide Range: 0.5-100m³/h flow coverage, no frequent device changes.
- Corrosion Resistance: LPG-resistant materials ensure long-term
- Flexible Outputs: Mechanical, pulse, 4-20mA, RS485 for easy system
- Low Maintenance: Durable design cuts operation costs.

FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Flow rate	Accuracy	Min adjustable quantity	Displacement per revolution	Max work pressure	Repetitive error	Package	N.W/G,W	Dimension
40-400L/Min	≤±0.5%	0.1%	0.5L	1.8Mpa	≤0.07%	1Pcs/Carton	31/33kgs	36*29*36cm

●3244-1/1.5” Mechanical Flow Meter



Product Features

This RSJ50 flow meter with filter adopts advanced technology of U.S. Bennett company, which can be widely used for different fuel dispensers. With advantage of high flow, long working life, high accuracy, firm structure, easy installation, etc., it can be the best choice of fuel dispenser component.

- Micro-accurate, 4-piston, positive displacement typemeter with rotary valve, exterior adjustment and double oil lip seal for long life
- External structure achieved by single body design of components
- External accuracy: ± 0.2% with high flow through-put
- Body: Aluminum(Spray-painted) & Seals: Buna-N
- 100% factory testedrmance

FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Model	Flow meter	Accuracy	Inlet/Outlet	Pressure	Materials	Package	N.W/G,W	Dimension
3244-1”	12-100L/Min	±0.2%	1”	3.5Bar	Aluminum	1pcs/carton	10/10.5kgs	55*29*26cm
3244-1.5”	12-150L/Min		1.5”				11.5/12kgs	

●OGM-I Series Cast Iron OvalGear Meter



Product Features

OGM-I Series Cast Iron oval gear meter is used to transmit liquids with large viscosity range and has good repeatability and service life, and can be widely used in petroleum, chemical, pharmaceutical, transportation, food and other industries

- Precise Measurement: ≤0.03% repeatability, ideal for trade settlement.
- Measures high-viscosity liquids (diesel, lubricant) across petroleum, chemical, and transportation industries.
- Supports horizontal/vertical mounting with low pressure loss
- Intuitive mechanical display and compact design for hassle-free upkeep.

FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Model	OGM-1-40	OGM-1-50	OGM-1-80	OGM-1-100
Size	1.5"	2”	3"	4”
Flow Range	40-150L/Min	60-300L/Min	140-700L/Min	160-1600L/Min
Accuracy	+0.2%/+0.5%			
Repeatability	≤0.05%10.17%			
Max.Presssure	18Bar			
Package	36*24*34cm	41*28*38.5cm	44*34*57cm	47*38*46cm
Net Weight	16kg	25.5kg	45kg	65kg
Gross Weight	20kg	28kg	48kg	73kg
Package	1pc/Wooden Case			

●KCB Series Series Rotary Vane Pump

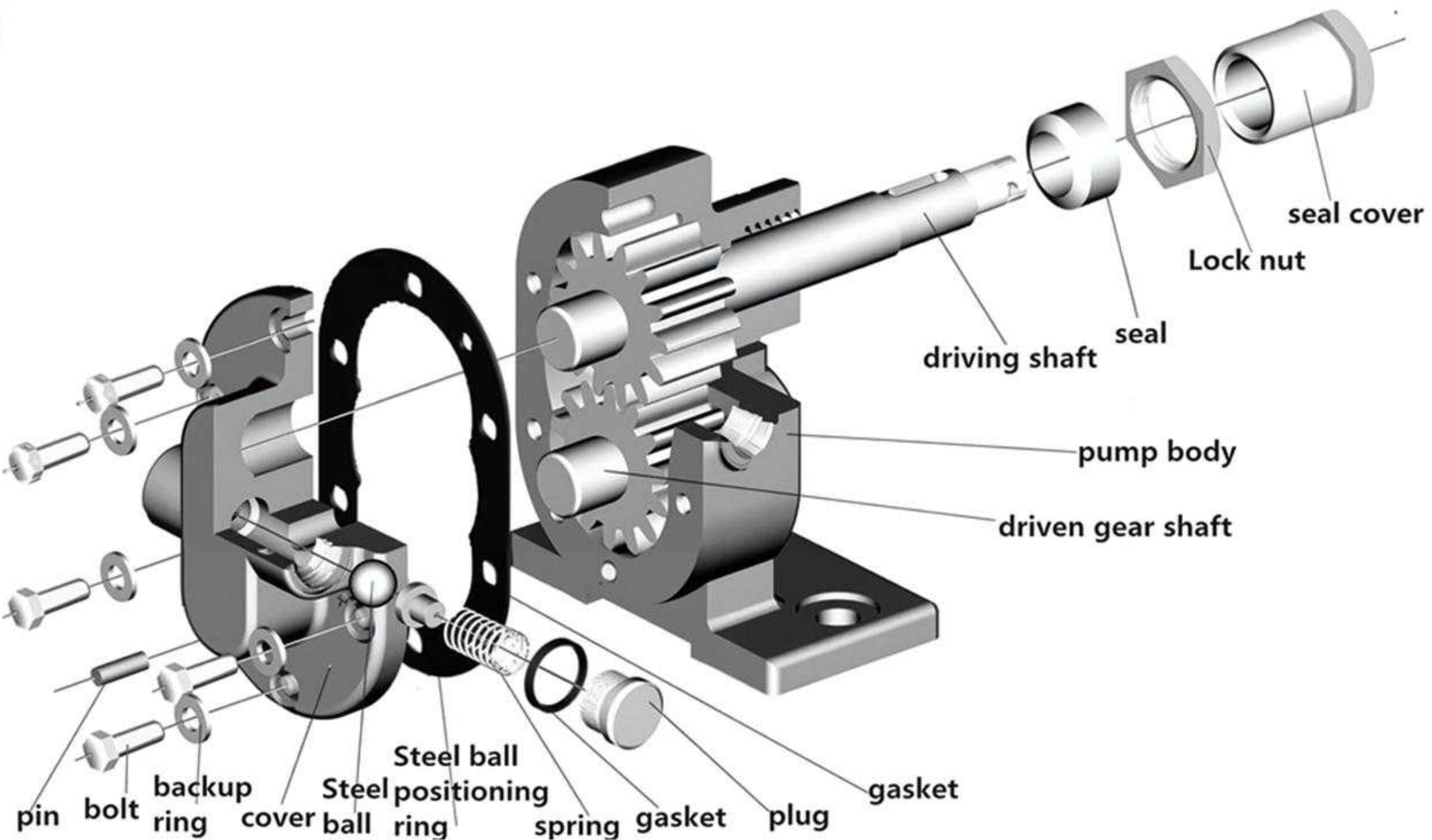


Product Features

KCB gear pump It is suitable for conveying lubricating oil or other liquids similar to lubricating oil with no solid particles and fibers, non-corrosive, temperature not higher than 80°C and viscosity of 5--1500cts.

- Internal lubrication of all pump components is automatically achieved using the output medium during operation, eliminating the need for additional lubrication systems and reducing maintenance work.
- Features reasonably designed oil drainage and return grooves, ensuring gears operate with minimal torque.

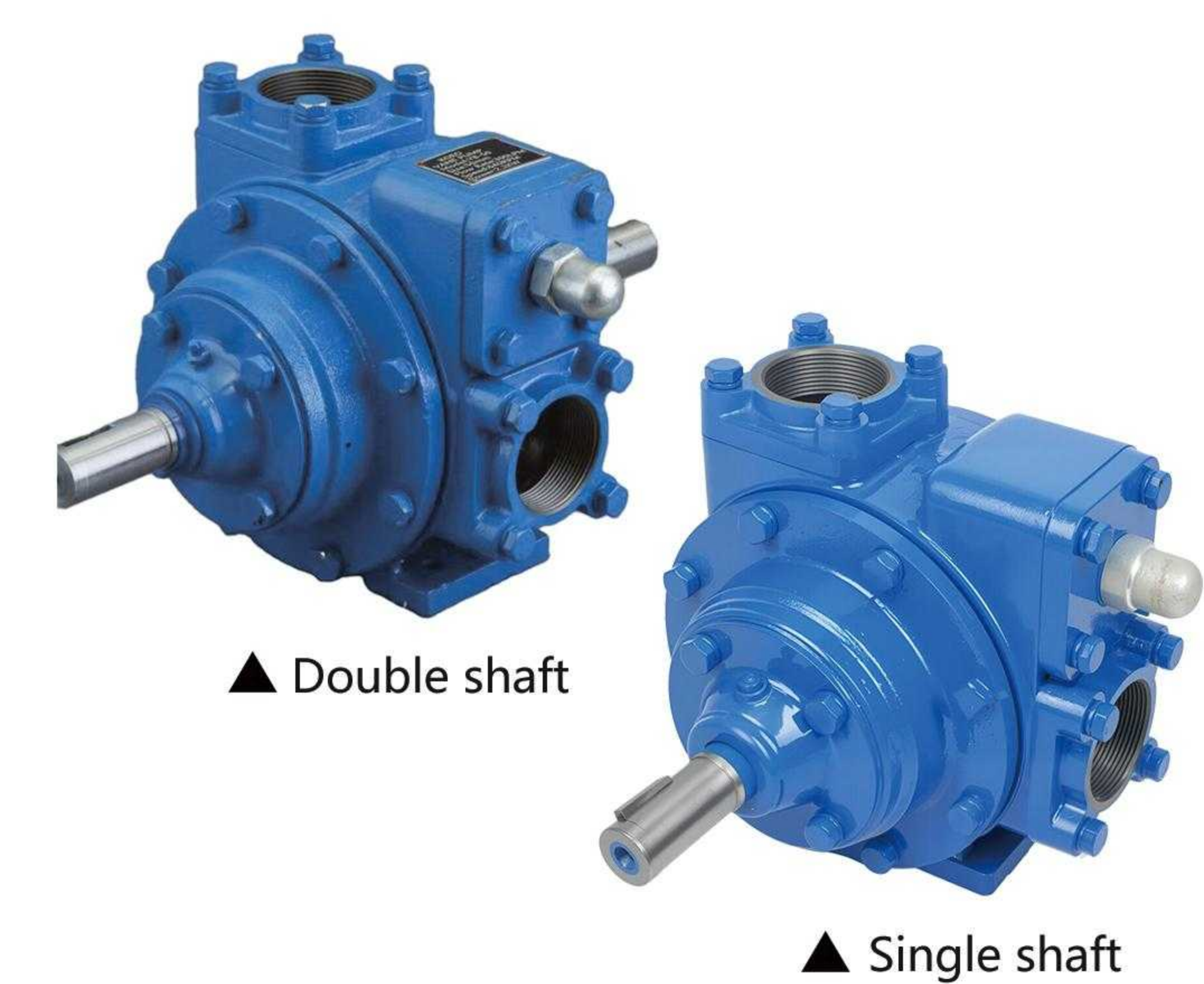
Product Drawing



FLUID:Oil

Model	Capacity		Speed (r/min)	Pressure (Mpa)	Motor (kW)
	(m³/h)	(L/min)			
KCB-18.3	1.1	18.3	1400	1.45	1.5
KCB-33.3	2	33.3	1420	1.45	2.2
KCB-55	3.3	55	1400	0.33	1.5
KCB-83.3	5	83.3	1420	0.33	2.2
KCB-135	8	135	940	0.33	2.2
KCB-200	12	200	1440	0.33	4
KCB-483.3	29	483.3	1440	0.36	11
KCB-633	38	633	970	0.28	11
KCB-960	58	960	1470	0.28	22
KCB-1200	72	1200	740	0.6	37
KCB-1600	96	1600	980	0.6	45
KCB-1800	108	1800	740	0.6	55
KCB-2500	150	2500	985	0.6	75
KCB-2850	171	2850	740	0.6	90
KCB-3800	228	3800	989	0.6	110
KCB-4100	246	4100	743	0.6	132
KCB-5400	324	5400	989	0.6	160
KCB-5600	336	5600	744	0.6	160
KCB-7600	456	7600	989	0.6	200
KCB-9600	576	9600	989	0.6	250
KCB-16000	900	16000	590	0.6	400

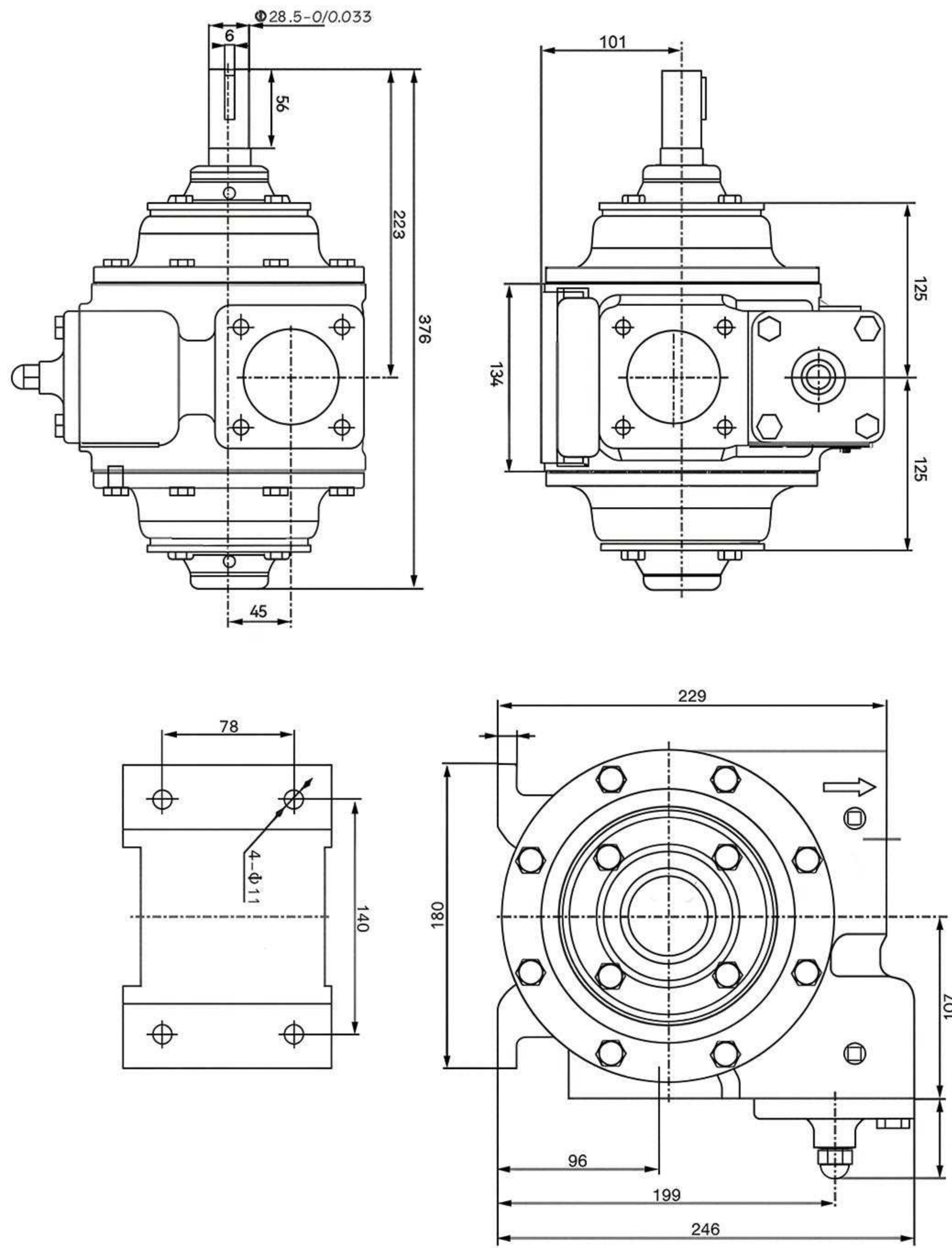
●YB Series Series Rotary Vane Pump



FLUID:Oil

Model	Diameter (mm)	Flow Rate/400rpm L/min(Gal/min)	Flow Rate/450rpm L/min(Gal/min)	Flow Rate/500rpm L/min(Gal/min)	Flow Rate/550rpm L/min(Gal/min)	Flow Rate/600rpm L/min(Gal/min)	Flow Rate/650rpm L/min(Gal/min)
YB-50	2"(50)	150 (39.6)	270 (71.3)	210 (55.5)	240 (63.4)	270 (71.3)	300 (79.3)
YB-65	2.5"(65)	310 (81.9)	465 (122.8)	390 (103.0)	430 (113.6)	465 (122.8)	500 (132.1)
YB-80	3"(80)	600 (158.5)	920 (243.0)	760 (200.7)	840 (221.9)	920 (243.0)	1000 (264.2)
YB-100	4"(100)	1530 (404.2)	/	1900 (501.9)	/	/	/

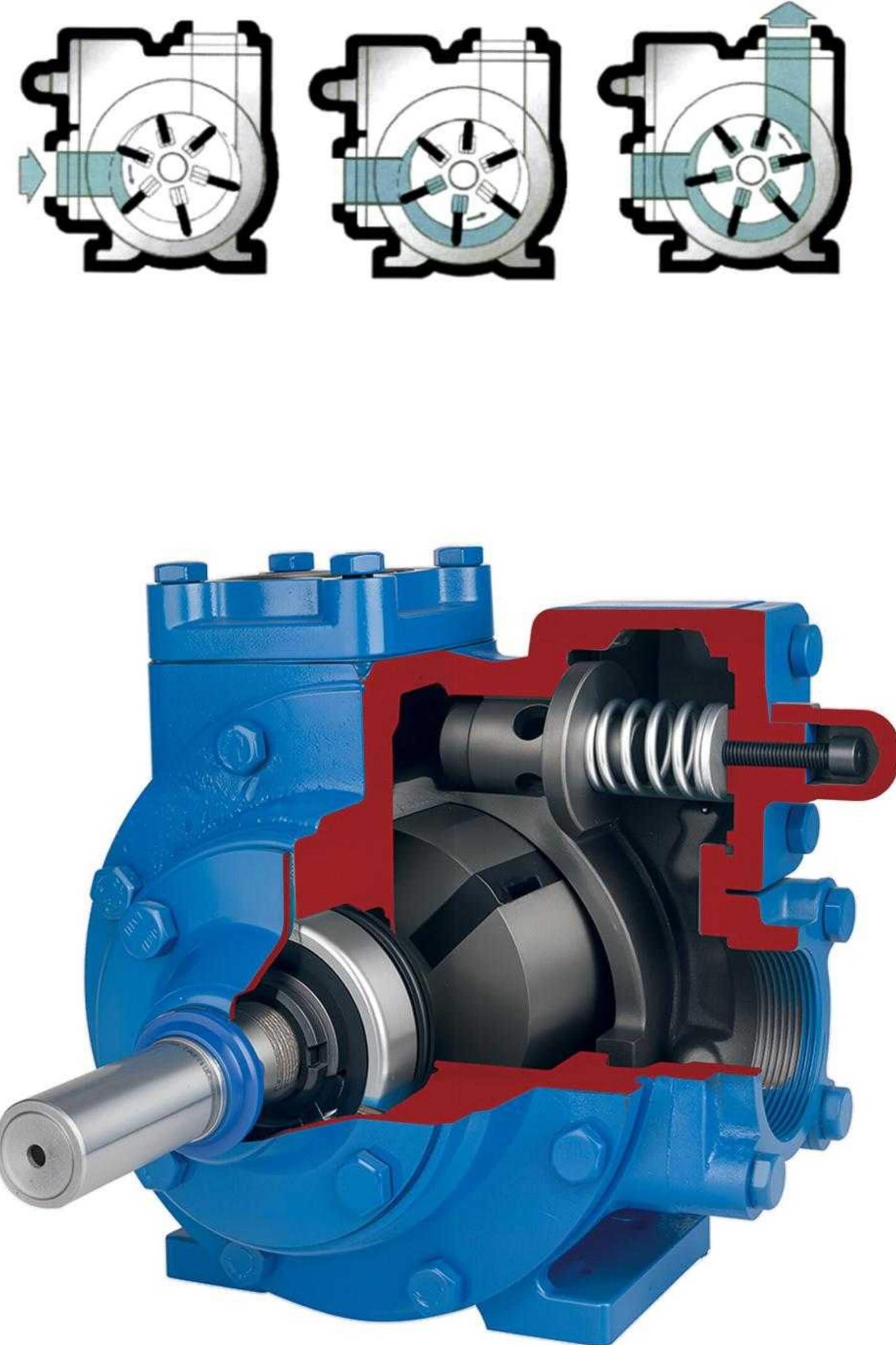
product installation wizard



Product Features

YB series self-priming rotary vane pump: built-in by-pass valve, nodular cast iron construction with self-lubricating vanes. Handles viscous/volatile liquids efficiently, lower horsepower demand, and excels at high flow with low revolution.

- Design: Built-in bypass valve, rotor with self-lubricating sliding vanes, nodular cast iron construction
- Performance: Handles viscous/volatile liquids, lower horsepower, high flow at low revolution.
- Application: Ideal for diesel, lubricating oil transfer in petroleum, chemical industries.
- Maintenance: Compact structure, easy upkeep, stable in complex conditions



●YB Series Pump Kit- Coupling Drive YB PUMP KIT C



Product Features

The YB series rotary sliding vane pump cart with shaft coupling drive is designed for efficient and reliable fluid transfer. This setup includes a robust pump, a precise positive displacement flow meter, and a dependable electric motor—all mounted on a four-wheeled platform for easy mobility. The shaft coupling-driven mechanism ensures smooth and steady operation, making it ideal for a wide range of industrial applications.



●YB Series Pump Kit-V-belt Drive YB PUMP KIT V



Product Features

The YB series rotary sliding vane pump cart with belt drive is designed for efficient and reliable fluid transfer tasks. This setup includes a robust pump, a precise positive displacement flow meter, and a dependable electric motor—all mounted on a four-wheeled platform for easy mobility. The belt-driven mechanism ensures smooth and steady operation, making it ideal for various industrial applications.



Model	YB-50 kit	YB-65 kit	YB-80 kit	YB-100 kit
Size	2"	2.5"	3"	4"
Pump speed	400-650RPM	400-650RPM	400-650RPM	500RPM
Max flow rate	150-300L/min	300-500L/min	600-1000L/min	1500-1900L/min
Vacuum	0.5Bar	0.5Bar	0.5Bar	0.5Bar
Working pressure	5Bar	5Bar	5Bar	5Bar
Motor power	2.2KW	4KW	7.5KW	18.5KW

●YB-80 High Flow Transfer Pump



Product Features |

The self-priming vortex pump is single-stage, distinguishing it from similar pumps. It comes in left/right rotation (based on diesel/gas vehicle engine). Direction can be easily switched. Made of stainless steel and aluminum alloy, with an aluminum alloy vortex wheel to prevent sparks when pumping fuel

- Vane structure,built-in relief valve,stable performance,high reliable.
- Light weight,compact and easy to install
- Low noise,high flow,long service life.
- Simple and convenient maintenance and replacement,mechanical
- This pump is used for transporting gasoline,diesel,kerosene and other

FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Size	Head(m)	Flow Rate	Power	Speed	Material	Package	N.W/G,W	Dimension
3"	26m	700L/min	380V/5.5KW	1450RPM	Aluminum	1Pcs/Carton	18kgs/20kgs	49*39*31cm

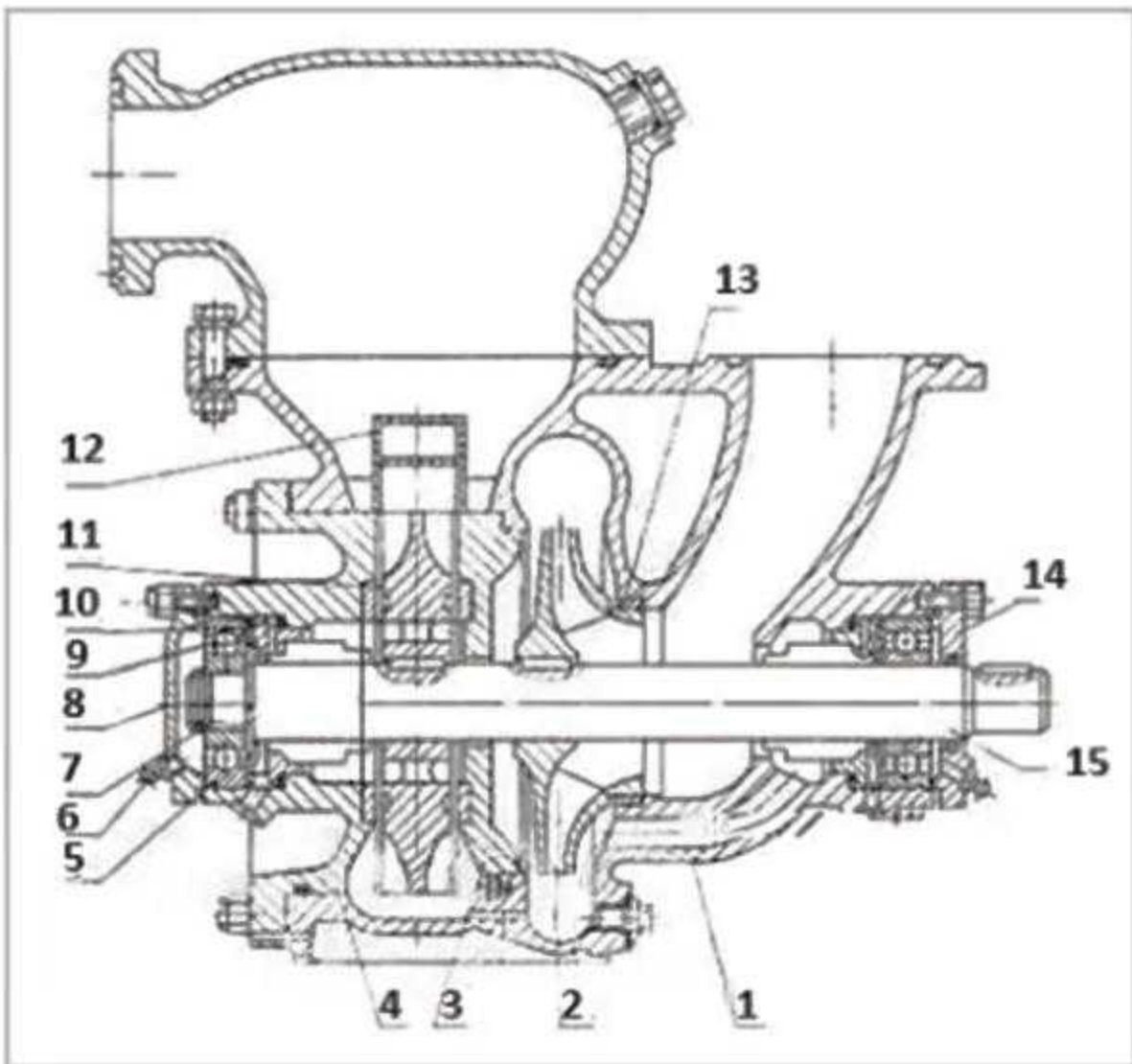
●SCCL 20/24 High Flow Transfer Pump



Product Features |

It is suitable for transferring oil products (including diesel, rocket fuel, kerosene and gasoline), as well as alcohol, water and other substances with appropriate viscosity and temperature.

1. Corpus;
2. Centrifugal impeller;
3. Intermediary cover;
4. Case cover;
5. Bearing;
6. Butterfly;
7. Stoppers ring;
8. Bearing cap;
9. Restraint;
10. End seal housing;
11. Vortex impeller;
12. Air exhaust, sealing ring;
13. Bearing cap;
14. Val.



FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Flow rate	Pressure	Power	Efficiency	Rotating Frequency	Min Temperature	Max Temperature	Density	Viscosity
3m³/h	54Bar	24KW	33%	1450	40℃	50℃	≤1000kg/m³	≤2*10-6m²/s

●AC-A series High Flow Transfer Pump



Product Features |

The Single-stage End Suction Horizontal Inline Centrifugal Pump is the second-generation high-efficiency and energy-saving product developed by our company. It is designed based on years of production experience and in accordance with the performance parameters specified in the international standard ISO 2858. This pump can be designed and manufactured into IRG hot water pumps and IHG pipeline chemical pumps.

- Industrial and urban water supply and drainage
- Pressurized water supply in high-rise building
- Fire pressurization, booster

FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

	Flow Rate		Lift (m)	Head (m)	Speed (r/min)	self-priming capacity (min/5m)	Power(KW)		Pump Size(mm)		Weight (kg)
	(m³/h)	(L/S)					Shaft Power	Motor Power	Inlet	Outlet	
25AC-A-20	3.2	0.9	20	6.5	2900	1.9	0.46	0.75	25	25	72
25AC-A-32	3.2	0.9	32	6.5	2900	1.8	1.8	1.1	25	25	80
40AC-A-20	6.3	1.8	20	6.5	2900	1.9	0.87	1.1	40	32	85
40AC-A-40	10	2.8	40	6.5	2900	1.5	2.7	4	50	40	140
50AC-A-12	15	4.2	12	6.5	2900	2.4	1.1	1.5	50	50	90
50AC-A-20	18	5	20	6.5	2900	1.9	1.8	2.2	50	50	98
50AC-A-30	20	5.6	30	6.5	2900	1.5	2.6	3	50	50	140
50AC-A-35	14	3.9	35	6.5	2900	1.5	2.7	4	50	50	145
50AC-A-40	10	2.8	40	6.5	2900	1.5	2.7	4	50	50	145
50AC-A-50	12.5	3.5	50	6.5	2900	1.4	4.3	5.5	50	50	160
50AC-A-60	15	4.2	60	6.5	2900	1.3	6.2	7.5	50	50	190
50AC-A-75	20	5.6	75	6.5	2900	1.3	9.8	11	50	50	240
65AC-A-15	30	8.3	15	6.5	2900	2	1.9	3	65	50	100
65AC-A-32	25	6.9	32	6	2900	1.5	4.4	5.5	65	50	165
80AC-A-13	35	9.7	13	6	2900	3.4	1.9	3	80	65	107
80AC-A-17	43	12	17	6	2900	1.8	3.1	4	80	65	156
80AC-A-22	40	111	22	6	2900	1.9	4.4	5.5	80	65	169
80AC-A-25	50	13.9	25	6	2900	1.5	5.2	7.5	80	80	177
80AC-A-32	50	13.9	25	6	2900	1.5	6.8	7.5	80	80	180
80AC-A-55	60	16.7	55	6	2900	1.5	15	18.5	80	80	310
80AC-A-70	60	16.7	70	6	2900	1.2	20.1	22	80	80	333
100AC-A-20	100	27.8	20	6	2900	1.8	7.8	11	100	80	258
100AC-A-40	100	27.8	40	6	2900	1.8	16.3	22	100	100	455
100AC-A-40A	100	27.8	40	6	1450	1.5	18.5	22	100	80	520
100AC-A-65	100	27.8	65	6	2900	1.8	27.7	30	100	100	620
100AC-A-75	100	19.4	75	6	2900	1.8	24.2	30	100	100	639
150AC-A-55	170	47.2	55	5	2900	1.8	39.2	45	150	100	830
150AC-A-65	170	47.2	65	5	2900	1.3	46.3	55	150	100	957
150AC-A-80	160	44.4	80	5	2900	1.2	53.6	55	150	100	986
200AC-A-63	280	77.8	63	5	1450	1.5	73.9	90	200	150	1338
250AC-A-50	400	111.1	50	5	1450	2	80	90	250	200	1486
300AC-A-50	500	138.9	50	5	1450	2	97.3	110	300	250	1728

●YP100-ex High Flow Transfer Pump



Product Features |

The YP100 explosion-proof oil transfer pump is an intelligent oil delivery device engineered for industrial applications, integrating safety and explosion-proof capabilities, efficient transfer, and convenient mobility. Featuring a premium all-copper motor and professional EX explosion-proof components, it ensures reliable operational safety in flammable and explosive environments.

- It boasts a high flow rate, a high head, and rapid oil delivery, coupled with an optimized design for low-noise operation that features a silencer.
- Core components adopt an explosion-proof design, including explosion-proof power switches and explosion-proof lighting switches, ensuring safe operation in flammable and explosive environments.
- It is suitable for diverse refueling scenarios, such as construction machinery, trucks, oil depots, and ships.

FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Voltage	Head(m)	Flow Rate	Power	Inlet/Outlet	Suction lift
12V/24V	20m	300L/min	1.5KW	2"	5m

●YP150-ex High Flow Transfer Pump



Product Features |

The YP150 explosion-proof pump is a professional-grade oil transfer device that combines three core advantages: a high flow rate, a high head, and a portable design. It is suitable for a wide range of industrial applications. Its all-copper motor and wear-resistant rotor design ensure reliable long-term stable operation, making it an ideal choice for efficient operations in oil depots, fleets, and construction sites.

- Features an all-copper motor paired with a high-precision rotor and graphite scraper plate, offering both wear and corrosion resistance to ensure sustained high-flow output (380 L/min).
- The sliding vane design delivers strong self-priming capability (60 m lift), smooth operation, and low noise, making it ideal for transferring high-viscosity oils.
- A cooling fan prevents motor overheating during prolonged operation, while quick-connect fittings are equipped with built-in filters to block contaminants from entering the pump body.

FLUID:Biodiesel | Diesel | HVO | XTL | Gasoline | Kerosene

Voltage	Head(m)	Flow Rate	Power	Inlet/Outlet	Suction lift
220V/380V	60m	380L/min	1.1KW	2.5"	5m



Underground Tank Series

The design of underground installation can significantly save ground space and prevent equipment from occupying ground operation or planned areas. It is particularly suitable for scenarios such as urban core areas, industrial parks and gas stations where land resources are scarce. At the same time, the equipment is hidden underground, which can naturally integrate with surrounding buildings and green spaces, reduce the impact on ground landscapes, and enhance the overall aesthetic appeal of the environment.

ACBS series/ACCFC series/ACCBC series /ACSMC-1465/75/63 Terminal joint /Explosion-proof load bearing composite manhole cover Load cover



Underground



ACBS series



ACCFC series



ACCBC series



ACFV -A



ACMOW-1150



ACSMC-1465



75/63 Terminal joint



Explosion -proof load
-bearing composite manhole
cover Load cover

Product Features

The ACEBSC series spill containment vessels for underground oil tanks at gas stations are installed at the oil inlet end of underground storage tanks (the external extension end of the tank's oil inlet pipeline) or the connection of vapor recovery risers. They prevent oil from leaking into the soil during normal tank truck unloading operations or tank overflow incidents

ACEBSC series Spill containment vessel for underground oil tanks at gas stations

- Installation Location: Oil inlet end of underground storage tanks (external extension end of the tank) or connection of vapor recovery risers
- Core Functions: Collect spilled oil to prevent soil/groundwater contamination; spilled oil can be returned to the storage tank via the bottom drain valve
- Advantages: Cost-effective, easy to install, simple to maintain
- Capacity: 20L, 40L
- Material Science:Lid: Cast iron/Installation ring: cast iron/Corrugated pipe: polyethylene/Base: Cast iron/Sealing element: Oil resistant nitrile rubber



Model	Capacity	Internal Accessories
ACEBSC -20	20 liters	4 - inch steel pipe nipple with 4 - inch NPT/BSPT external thread (regular stock)
ACEBSC -20 - AC	20 liters	4 - inch steel pipe nipple with HBTFTA - 100 brass top sealing joint & HBTFTC - 100 top plug
ACEBSC -20 - B	20 liters	4 - inch aluminum external thread ball valve (male end, NPT/BSPT 4"×4" aluminum male joint)
ACEBSC -20 - C	20 liters	4 - inch aluminum external thread ball valve (female end, NPT/BSPT 4"×4" aluminum female joint)
ACEBSC -20 - V	20 liters	4 - inch aluminum external thread ball valve with oil - gas joint (NPT/BSPT 4"×4" aluminum oil - gas male joint)
ACEBSC - 40	40 liters	4 - inch steel pipe nipple with 4 - inch NPT/BSPT external thread (regular stock)
ACEBSC - 40 - AC	40 liters	4 - inch steel pipe nipple with HBTFTA - 100 brass top sealing joint & HBTFTC - 100 top plug
ACEBSC -40 - B	40 liters	4 - inch aluminum external thread ball valve (male end, NPT/BSPT 4"×4" aluminum male joint)
ACEBSC -40 - C	40 liters	4 - inch aluminum external thread ball valve (female end, NPT/BSPT 4"×4" aluminum female joint)
ACEBSC -40 - V	40 liters	4 - inch aluminum external thread ball valve with oil - gas joint (NPT/BSPT 4"×4" aluminum oil - gas male joint)

Note: The net weight of ACEBSC - 20 is about 40 kilograms, and that of HBEBSC - 40 is about 50 kilograms. According to actual needs, we can also change the 4 - inch aluminum quick - connect male and female ends of the ball valve with oil - gas joint built into the spill containment vessel to 3 inches or 2.5 inches to match the corresponding size of the oil unloading hose connector



ACEBSC-20 ACEBSC-20-AC ACEBSC-20-B ACEBSC-20-C ACEBSC-20-V

The following pictures are used to explain the internal configurations of various models of spill containment vessels.

Product Features

The AC628V series vacuum pressure breather valve is mostly used in gas stations and oil depots. It consists of a pressure valve and a vacuum valve and is installed on top of the oil tank's exhaust pipe (about 4.5 meters high), which can ensure the tightness of the oil tank and prevent excessive positive or negative pressure. The valve cap and internal mesh screen prevent foreign objects from blocking the exhaust pipe. The pressure valve and vacuum valve are normally closed. When the pressure inside the oil tank exceeds the set range, they will automatically open to exhale or inhale.

AC628V/ ACZQF series Vacuum Pressure Breather Valve

Technical Specifications:

Top body: Polypropylene
Base: Anodized aluminum alloy
Disc: Anodized aluminum alloy
Screen: Stainless steel mesh
Gasket: Closed - cell foam
Temperature range: -20~+50°C
Positive pressure: International standard +3 inches of water column,
domestic standard +9 inches of water columnNegative pressure: -8 inches of water column

AC628V

Technical Specifications:

Main body: Aluminum alloy
Valve cap: Aluminum alloy
Screen: Stainless steel
Sealing element: Nitrile rubber and fluororubber
Operating temperature range: -20 ~ +50°C
Negative pressure: -8 inches of water column
Positive pressure: International standard +3 inches of water column;
Domestic standard +9 inches of water column

ACZQF

Model	Connection Method
ACZQF-40/HY628V-40	Internal thread 1.5 inches, BSPP or NPT thread standard
ACZQF-50/HY628V-50	Internal thread 2 inches, BSPP or NPT thread standard(regular stocked items)
ACZQF-50F/HY628V-50F	2 -inch aluminum alloy flange connection
ACZQF-65F/HY628V-65F	2.5 -inch aluminum alloy flange connection
ACZQF-80F/HY628V-80F	3 -inch aluminum alloy flange connection

Product Features

Application: Gas stations or oil depots
Composition: A pressure valve and a vacuum valve (designed and installed inside)
Installation position: Top of the oil tank's exhaust pipe (exhaust pipe height: about 4.5 meters)
Function: Maintain oil tank tightness under normal conditions; protect oil tanks from excessive positive/negative pressure; prevent water, debris, or insects from entering and blocking the exhaust pipe
Valve state (normal): Pressure valve and vacuum valve are normally closed
Valve action: When the pressure inside the oil tank exceeds the set range, the pressure valve or vacuum valve automatically opens to exhale or inhale

ACVV Series Vacuum Pressure Breather Valve

Technical Specifications:

Main body: Aluminum alloy material
Valve disc: Polyoxymethylene (engineering plastic)
Screen: Brass material
Spring: Stainless steel
Screw: Galvanized steel
Operating temperature range: -20 ~ +50°C
Positive pressure: International standard +3 inches of water column;
Domestic standard +9 inches of water column
Negative pressure: -8 inches of water column

Technical Specifications:

Top body: Polypropylene
Base: Anodized aluminum alloy
Disc: Anodized aluminum alloy
Screen: Stainless steel mesh
Gasket: Closed - cell foam
Temperature range: -20 ~ +50°C
Negative pressure: -8 inches of water column
Positive pressure: International standard +3 inches of water column;
Domestic standard +9 inches of water column

Model	Connection Method
ACVV-50	2-inch internal thread, BSPP or NPT thread standard(regular stocked items)
ACVV-50-F/AC628V-50FA	2 -inch aluminum alloy flange connection
ACVV-65-F/AC628V-65FA	2.5 -inch aluminum alloy flange connection
ACVV-80-F/AC628V-80FA	3 -inch aluminum alloy flange connection

•ACFV - A Series One - Way Aluminum Alloy Tubular Float Ball Breather Valve



Product Features

This series is designed for gas stations, especially single - tank vapor recovery systems. During fuel unloading, it auto - balances and displaces oil and gas from underground tanks to tank trucks. Used with other vapor recovery components (unloading pipelines, vapor recovery pipelines, quick connectors, etc.), it forms a sealed system between tank trucks and underground tanks, effectively preventing fuel leakage during unloading.

Technical Specifications:

- Ball: Stainless steel
- Spring: Stainless steel
- Body: Aluminum
- Connector: Aluminum
- Thread Standard: NPT or BSPT, etc.
- Optional Diameter Sizes: 2 inches, 3 inches, 4 inches optional

Model	Capacity	Thread Size and Standard	With or Without Connector
ACFV - A - 50 - AC	50 mm	2 inches NPT/BSPT	With
ACFV - A - 80 - AC	80 mm	3 inches NPT/BSPT	With
ACFV - A - 100 - AC	100 mm	4 inches NPT/BSPT	With
ACFV - A - 50	50 mm	2 inches NPT/BSPT	Without
ACFV - A - 80	80 mm	3 inches NPT/BSPT	Without
ACFV - A - 100	100 mm	4 inches NPT/BSPT	Without

•AC61SO-100 Remote Oil Unloading Anti-Overflow Valve Assembly



AC61SO - 100 Assembly

Valve Body

Translation and Simplification

The AC61SO - 100 series anti - overflow valve is a self - contained two - stage positive shut - off valve, designed to prevent overflow of underground storage tanks (UST) during gravity - fed oil delivery. During filling, when the liquid level of UST reaches about 92% of the tank capacity, the product in the tank lifts the lower float of the valve. Then the main valve flap is released, reducing the flow to about 10% of the normal flow. The sudden flow reduction caused by the closing of the main valve flap creates pressure shock on the oil delivery hose, notifying the transport driver that the tank is about to reach 95% capacity. The driver can stop filling the tank, disconnect and empty the oil delivery hose. When the product level reaches 95% of the tank capacity, the upper float shuts off all flow.

Features:

- Two - stage spring - loaded shut - off flaps reduce pipeline shock.
- Vertical float design allows valve removal even when the tank is full.

Model	Description	Length of Upper Pipe	Length of Lower Pipe	Net Weight per Piece
AC61SO - 100	Remote Oil Unloading Anti - Overflow Valve	1.0 meter	2.0 meters	8kgs

•AC61SO Series Remote Oil Unloading Anti - Overflow Valve Assembly



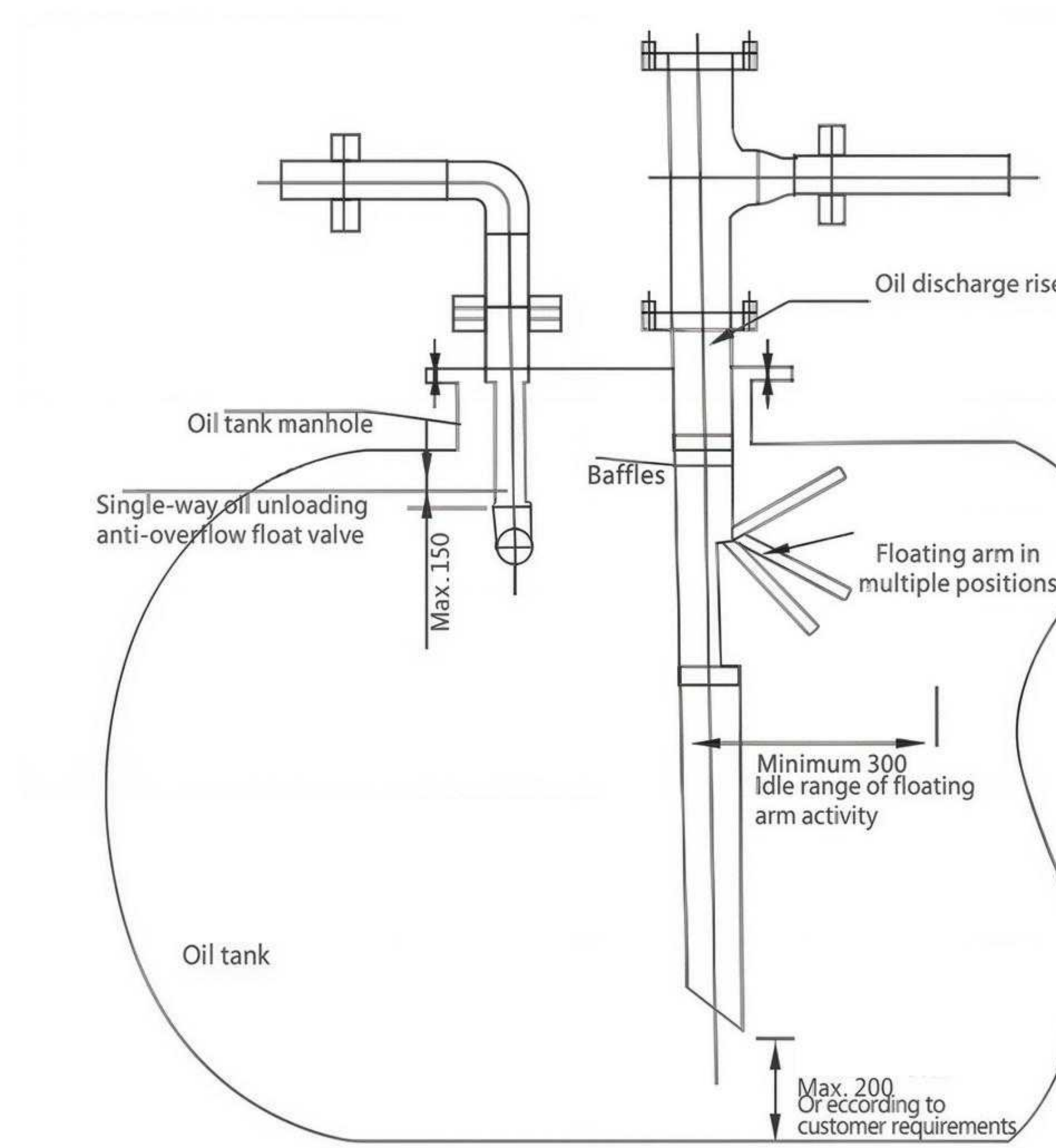
Product Features

The AC61SO series remote oil unloading anti-overflow valve is used when a tanker unloads oil into an underground storage tank to prevent accidental or sudden fuel overflow. When the oil level in the tank drops by about 95% of its full capacity, the valve's mechanical device automatically opens the oil unloading valve, and the oil flow is about 5 GPM. When the tanker stops unloading, the valve closes automatically. If unloading continues and the oil level exceeds 95% of the tank's capacity, the oil will flow back. When the oil level exceeds 98% of the tank's capacity, the shut-off and check valves close. The diverter valve closes completely until the oil level drops to the reset point, and no oil will flow into the tank

Material:

- Valve Body Material:Aluminum Alloy
- Float Material:Nitrile Rubber, Closed - Cell Foam
- Valve Material:Aluminum Alloy
- Seal Material:Fluororubber
- Upper and Lower Connecting Pipe Material:Aluminum Alloy
- Plastic Part Material:Polyoxymethylene (Engineering Plastic)
- Hardware Material:Stainless Steel
- Length of Upper and Lower Connecting Pipes:
Can be customized according to customer requirements

Model	Description	Length of Upper Pipe	Length of Lower Pipe	Net Weight per Piece
AC61SO - 4000	Remote Oil Unloading Anti - Overflow Valve	0.5 meters	2.0 meters	7.5 kilograms



Translation and Simplification:

- Simple, easy and quick to install: No excavation or special manholes required.
- Economical: Costs a fraction of other expensive, complex and hard-to-install valves. Well-equipped: Provides brand-new upper and lower vertical pipes, no need to prepare by yourself.
- Other accessories simplify installation.
- Fully automatic operation: No pre-inspection or reset needed, no interruption or misuse.
- Doesn't pressurize oil tanks, directly controlled by oil level. Oil level can be measured with a dipstick.
- Directly and quickly adaptable to new and old oil tanks with 3-inch or 4-inch oil unloading risers.
- Quick emptying: Automatically empties oil above the device when top pressure is released.

• Explosion proof load-bearing composite manhole cover for gas stations

The explosion - proof reusable manhole cover for gas stations is made of polyester resin and multiple polymer materials (SMC composite material) through one - time compression molding at high temperature and pressure. It has advantages such as high strength, high hardness, light weight, corrosion resistance, and aging resistance. It has passed national authority inspection, and all indicators meet national standards. It is an ideal substitute for cast iron manhole covers.



Explosion - proof load - bearing composite manhole cover

Load - bearing manhole cover for inspection well

Square composite manhole cover

Manhole cover opening tool

Name	Manhole Cover Diameter	Net opening	Product Load
Load - bearing Composite Manhole Cover	1080mm	1075mm	12.5 tons
Load - bearing Composite Manhole Cover	977mm	900mm	12.5/25/40 tons
Load - bearing Composite Manhole Cover	880mm	800mm	12.5/25/40 tons
Load - bearing Composite Manhole Cover	500mm	450mm	25/40 tons
Square Composite Manhole Cover	850x850mm	776x776mm	12.5/25 tons

• ACVV Series

Vacuum Pressure Breather Valve



ACOAV -XX series open vent valves are usually installed underground or on the ground with fuel storage tanks open to the atmosphere. They let gas out slowly when tank pressure rises or let outside air in when there's a vacuum, balancing pressure like the outside. They're typically installed at the top of the oil tank's 4.5 - meter exhaust pipe to keep the tank's pressure balanced.

Technical Specifications:

Main body: Aluminum alloy Screen: 40 - mesh brass grid
Cover: Aluminum alloy

Name	Flange Connection
ACOAV - 50	2 - inch internal thread, BSP or NPT standard (regular stocked items)
ACOAV - 40	1.5 - inch internal thread, BSP or NPT standard

• ACSTZ - XX Series

Open Vent Cap with Built - in Aluminum Alloy Flame Arrester



The HYSTZ - XXF series open vent cap with built - in aluminum alloy flame arrester is usually installed on top of the exhaust pipe of gas station oil tanks. Each cap has two aluminum flame - arresting nets, which can prevent accidental open flames or sparks and automatically adjust the pressure balance inside the oil tank, preventing underground oil tanks from overpressure and ensuring the safety of gas station oil tanks.

Model	Connection Method
ACSTZ-40F	1.5 -inch flange with 1.5 - inch NPT or BSPT internalthread
ACSTZ-50F	2 -inch flange with 2 -inch NPT or BSPT internal thread
ACSTZ-65F	2.5 -inch flange
ACSTZ-80F	3 -inch flange
ACSTZ-100F	4 -inch flange
ACSTZ-150F	6 -inch flange

• ACSYWG - 100 Series

Gravity Oil Unloading and Oil Transfer Elbow



The ACSYWG - 100 series gravity oil unloading and oil transfer elbow is a key connection component when oil tankers unload oil to the underground storage tanks of gas stations. Its bottom is equipped with a female connector with a roller cam design, which enables it to be tightly fastened to the brass male connector in the anti - overflow oil container. It adopts a quick - connect structure, is easy to assemble and disassemble, and is convenient to use

Technical Specifications:

Main body: Cast aluminum Temperature range: - 20 ~ + 50°C
Working pressure: 0.6 Mpa Gasket: Nitrile rubber and cork rubber gaskets

Model	Male End Size and Connector Type	Female End Size and Connector
100	4 -inch quick - connect male end	4 - inch roller cam female end
80	3 -inch quick- connect male end	
65	2.5 -inch quick -connect male end	
100T	4 -inch NPT or BSPT external thread	
80T	3 -inch NPT or BSPT external thread	
65T	2.5 -inch NPT or BSPT external thread	

● **ACMOW-1150** Integrated seamless PE (polyethylene) manhole operation well (with inward-turned flange)



Configuration model:

- The wavy neck can be cut based on on-site conditions to achieve proper installation height
- Unique integrated structure (one-time molding) for easy installation and reduced leakage risk.
- Inward-recessed bottom design: bolts connecting to the oil tank flange are inside the manhole, facilitating bottom maintenance



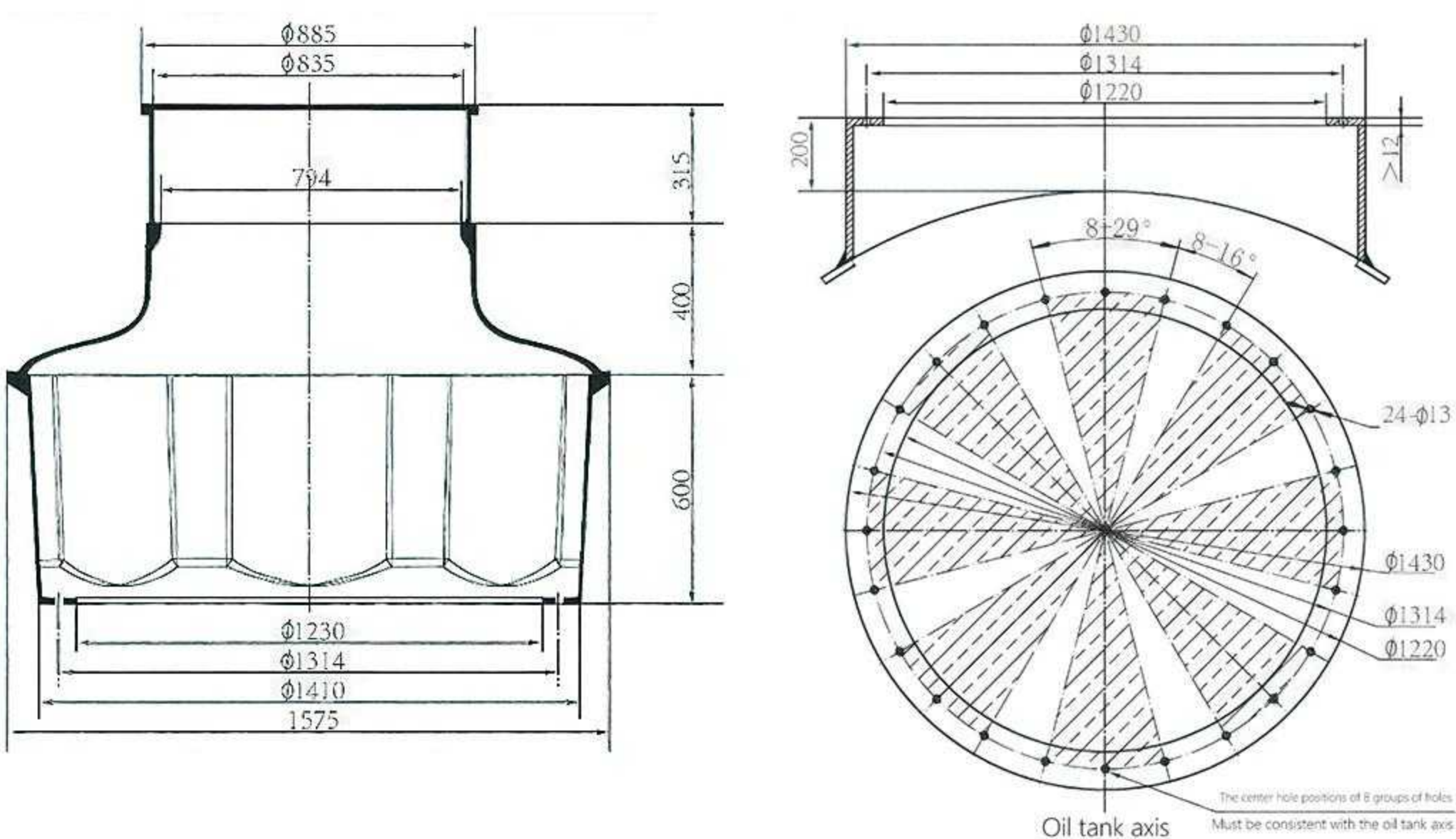
Model	Applicable Center Distance Range of Flange Holes for Underground Oil Tanks	Material
ACMOW - 1150	1150mm~1380mm	Polyethylene

● **ACMOW-1465** Integrated seamless PE (polyethylene) manhole operation well (with outward - turned flange)



Configuration model:

- Wavy neck can be cut on-site to match the required installation height.
- Easy side drilling for installation; significantly shortens construction period vs. traditional manholes.
- Internal oil-water sensor mountable for automatic leakage alarm, enabling intelligent gas station management



Model	Applicable Center Distance Range of Flange Holes for Underground Oil Tanks	Material
ACMOW - 1465	1465mm+10mm	PE

● **ACSMC-1465** Sectional Splicable SMC (FRP/Fiberglass-Reinforced Plastic)



Configuration model:

- Bottom with convex flange connection surface for stable and reliable connection
- Modular assembly & connection method for easy component installation
- 10mm wall thickness, Φ1500mm maximum outer diameter, Φ 1350mm operable inner space diameter, 880mm operable space height; overall height adjustable according to burial depth
- Cavity/Shoulder/Neck Ring/Secondary Cover: Thermosetting SMC composite
- Pipe Wall Sealing Parts/Leak-Proof Sealing Parts: EPDM rubber
- Connecting Fasteners: 304 stainless steel bolts & nuts

Wall Thickness	Maximum Outer Diameter	Operable Inner Space Diameter	Operable Space Height	Load-Bearing Type
10mm	Φ1500mm	Φ1350mm	880mm	>20 tons

● **ACMOW-1465** Four sections of connecting rings and non-load-bearing square manhole covers



Configuration model:

A manhole operation well refers to an underground product that provides space for installing equipment required for oil transportation and management at gas stations. The equipment includes liquid level gauges, oil transfer pumps, oil tank manhole covers, etc. It is a buried concealed engineering product.

- It is applied in Grade I explosion-proof areas, and hot work is strictly prohibited during the operation period.
- As a concealed engineering product for Grade I explosion-proof areas:
 - 1.Its design service life shall be more than 30 years.
 - 2.Safety and explosion-proof performance shall pass certification or testing by an independent third-party institution.
- It is used in new construction and expansion projects of gas stations, applicable to both load-bearing tank areas and non-load-bearing tank areas

Model	Suitable for flange bolt center distance	Material	Manhole type and manhole cover
ACSMC-1465-0	1350mm	SMC	Without manhole cover and without intermediate heightening connecting ring
ACSMC-1465-1			With load - bearing circular manhole cover and without intermediate heightening connecting ring
ACSMC-1465-2			With non - load - bearing square manhole cover and without intermediate heightening connecting ring

Product Features I

The fuel dispenser sump is designed and installed under the fuel dispenser at gas stations. It provides installation space for pipeline connection joints, elbows, emergency shut-off valves, and other components located beneath the fuel dispenser. It prevents soil contamination in case of oil leakage from the pipeline joints inside the sump, and at the same time, blocks groundwater from entering this area to avoid corrosion of metal joints and valve fittings inside the sump. Essentially, it is a protective container for the joints and valves under the fuel dispenser. Additionally, it creates a clean space connected to the ground at the lower part of the fuel dispenser, facilitating future repair and maintenance work.

- PE is the abbreviation of polyethylene, and SMC is the abbreviation of fiberglass-reinforced plastic (FRP).

AC-A Series Fuel Dispenser Sumps

- **Superior Structural Design**
Extra-large installation plane and internal operating space for flexible equipment layout
Seamless one-piece structure (one-time molding) for easy installation and minimized leakage risk
- **Practical Functional Advantages**
Inward-recessed bottom design with oil collection function to contain leaked oil effectively
Inward-recessed top opening that perfectly aligns with the bottom opening of the fuel dispenser
Easy side drilling for quick installation, significantly shortening the construction period compared to sumps made of other materials
- **High-Performance Material**
High-strength engineering plastic: lightweight, strong load-bearing capacity, and unparalleled toughness. It can effectively eliminate the tension on pipelines and joints caused by ground settlement, protecting the underground pipeline system
- **Intelligent Safety Support**
Compatible with internal installation of oil-water sensors, enabling automatic alarm when leakage occurs and realizing intelligent management of gas stations
- **Full Compatibility**
Meets the installation requirements of full composite pipelines, suitable for diverse pipeline configurations at gas stations



One-piece PE material type



One-piece PE material type (integrated fuel dispenser sump)

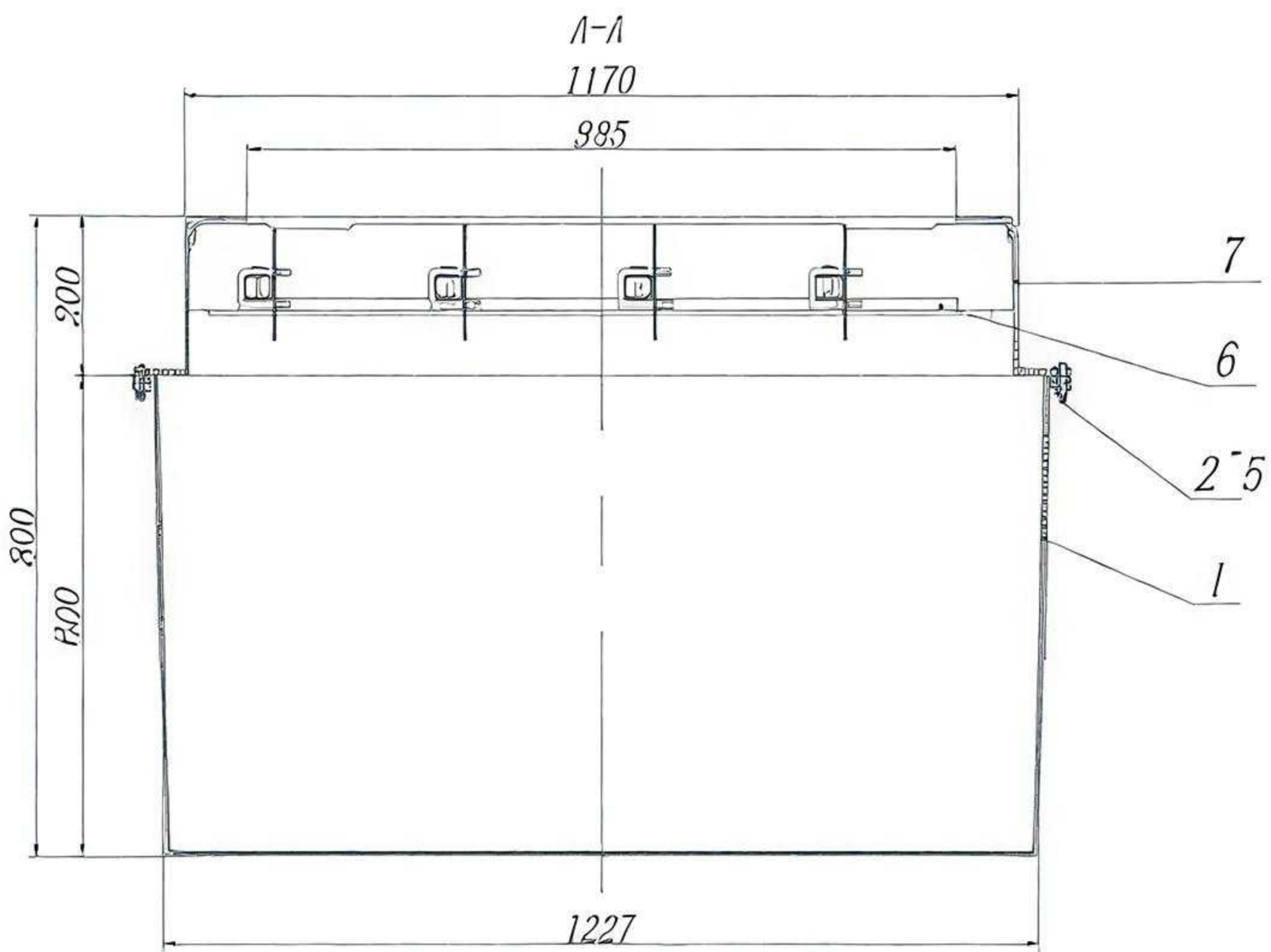
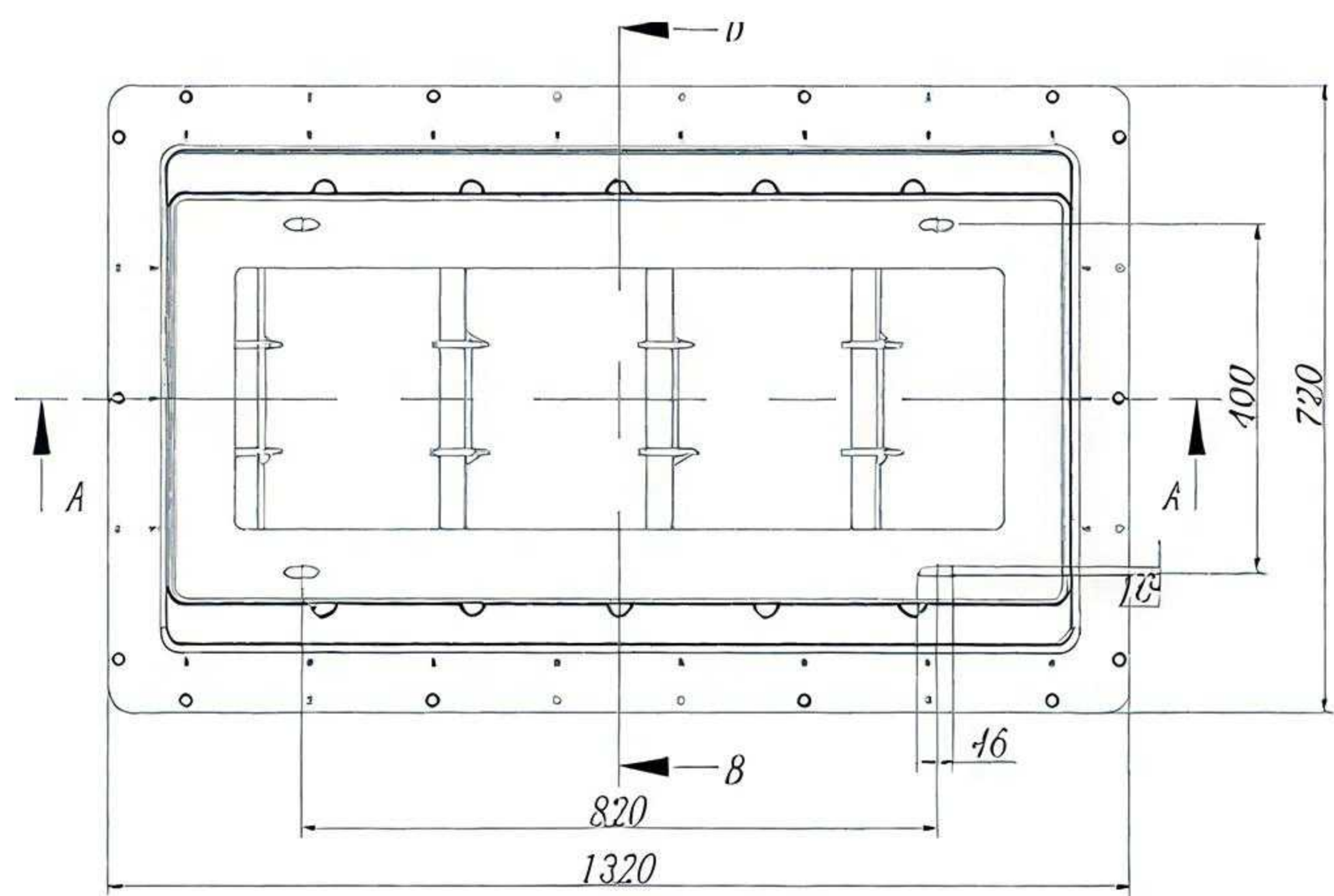


Two-section fiberglass material type (SMC composite fuel dispenser sump)



One-piece deepened PE material type

Product Dimensions I



Model	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)
One - piece polyethylene fuel dispenser sump	1120	1100	510	410	410	760	700
SMC composite fuel dispenser sump (narrow body)	960	860	520	420	420	880	700
SMC composite fuel dispenser sump (wide body)	1310	1210	520	420	420	880	700



Fuel dispenser connector: 1320×720×200mm

Cavity heightening part: 1227×625.4×200mm

Cavity: 1227×625.4×600mm

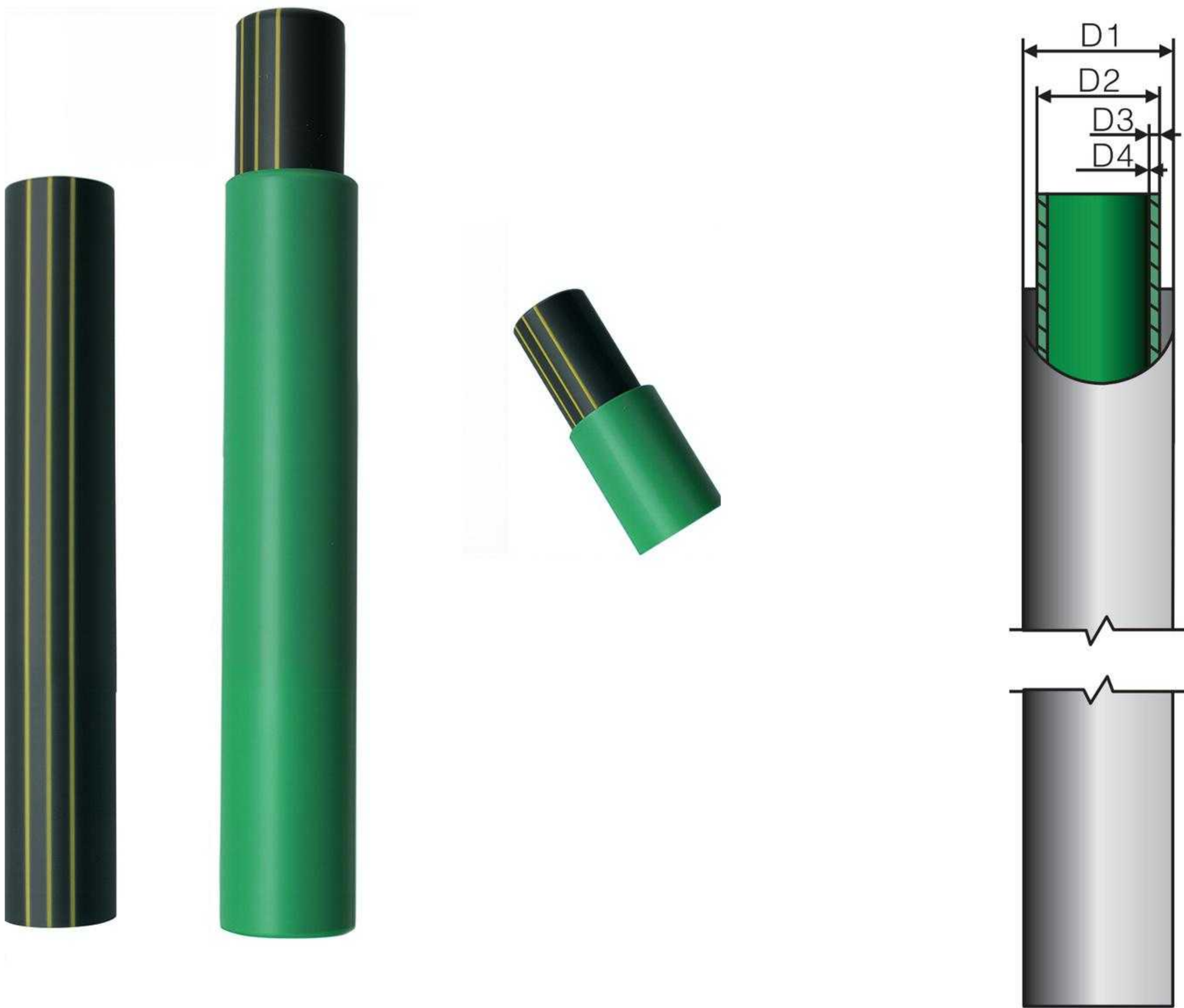


Product Features I

These pipes are manufactured to the EN14125 standard, operating at -40°C to 50°C with nearly zero leakage and a burst pressure over 40 bar for high safety. Connected via an electro-fusion welding system to form a seamless buried pipeline system, they eliminate all leakage paths from underground tanks to fuel pumps—preventing groundwater ingress and fuel leakage into the environment. Their dedicated material is compatible with various fuels, ethanol blends and additives globally; no concrete trenches are needed as HDPE resists backfill weight and traffic loads, with 30 years of experience showing no material failure or natural damage. Multiple fuel flow simulation tests confirm non-conductive pipes are safe against electrostatic discharge (no ignition risk), and various electro-fusion fittings are available for flexible pipeline layout adjustments.

Composite pipe series Single-layer & Double-layer Composite Pipes

- Features**
High elongation at break, ductility and scratch resistance (durable); non-toxic, tough and impact-resistant (reliable in various conditions); excellent insulation, wear/chemical resistance (long-term performance); good thermal insulation and low flow resistance (efficient); easy, cost-effective installation (safe and reliable).
- Construction Precautions**
In cold (-5°C below) or windy conditions, take protective measures/adjust connections for proper bonding; use dedicated heating equipment (no open flames); fuse same-brand, matching pipes/fittings (test similar-performance products first); check pressure rating, surface quality and compatibility against specs before construction.
- Advantages of Electrofusion Fittings**
Fully automated (simple, safe); hygienic; high weld strength (leak-free, durable joints, consistent with PE pipe system); corrosion-resistant, long-lasting; low friction; flexible, scratch-resistant anti-crack; easy to weld (low cost, high efficiency, stable quality); installation not limited by environment/space.
- Electrofusion Connection Instructions**
PE pipes and fittings in gas station composite systems are electrofused (climate-insensitive, on-site applicable). Keep welding site dry/clean; ambient temperature: -15°C to +45°C (+5°F to +113°F) (low temp needs stable conditions + protection). Principle: Heat inner resistance wire to ~200°C to melt PE (slow heat transfer limits melting range); melted PE expands (restrained by low-temp PE) for even, firm welding. Use dedicated welding machine



Model	Name	Dimension D1	D2	D3	D4
ACTCP -54S	54 Single - layer Composite Pipe	54	41	0.5	0.5
ACTCP -6554D	65/54 Double -layer Composite Pipe	63	54	41	
ACTCP -63S	63 Single - layer Composite Pipe	/	63	51	
ACTCP -7563D	75/63 Double -layer Composite Pipe	75	63	51	
ACTCP -90S	90 Single -layer Composite Pipe	/	90	73.6	
ACTCP -110S	110 Single - layer Composite Pipe	/	110	91	
ACTCP -125110D	125/110 Double - layer Composite Pipe	125	110	91	

75/63 Series Composite pipe capacitor fitting joint



Product Features I

When laying underground fuel pipes and other pipelines at gas stations, we drill holes in the inner walls of various underground installation space containers (such as manhole access wells and fuel dispenser sumps) to allow the pipes to extend into these containers for necessary connections. To tightly seal the gaps between the pipes and the openings on the walls of manhole access wells and fuel dispenser sumps, we have developed a series of rubber seals. The main body is made of rubber, while the fastening bolts, nuts, and clamps are all made of stainless steel.

ACBS series NBR Underground Pipe Sealing Sleeve

- **Targeted Sealing Solution**
Specifically designed to seal gaps between underground pipes and openings on manhole access wells/fuel dispenser sumps—addresses the core leakage risk in gas station underground pipe installation
- **Durable Material Combination**
Rubber main body: Ensures tight, flexible sealing to adapt to slight structural shifts.
Stainless steel fasteners (bolts, nuts, clamps): Resists underground corrosion and maintains stable fastening performance long-term.
- **Broad Compatibility**
Suitable for both underground fuel pipes and other pipeline types in gas stations, and applicable to various underground installation space containers (manhole access wells, fuel dispenser sumps), meeting diverse on-site installation needs.

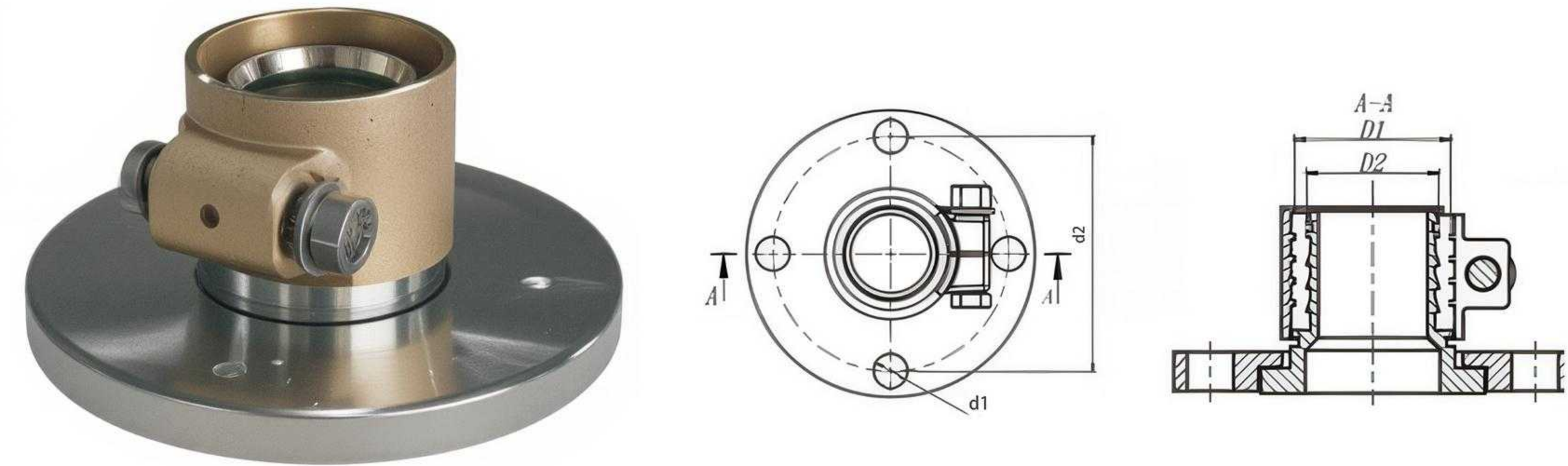


Model	Inner Diameter Size	Applicable to
ACSS -20	20 mm	Sealing of electrical conduits
ACSS -25	25 mm	Sealing of electrical conduits
ACSS -32	32 mm	Sealing of electrical conduits
ACSS -63	63 mm	63mm outer diameter single - layer composite pipe
ACSS -50	50 mm	50mm outer diameter steel pipe
ACSS -54	54 mm	54mm outer diameter composite pipe or steel pipe
ACSS -57	57 mm	57mm outer diameter steel pipe
ACSS -75	75 mm	75/63mm outer diameter double -layer composite pipe
ACSS -90	90 mm	90mm outer diameter single -layer composite pipe and 3-inch steel pipe
ACSS -110	110 mm	110mm outer diameter single - layer composite pipe and4 -inch steel pipe
ACSS-100	100 mm	108mm outer diameter steel pipe
ACSS -125	125 mm	125/110mm outer diameter double -layer composite pipe

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ACCFC series composite pipe hoop flange joint



Material:
Flange: Stainless Steel 304
Insertion tube: Carbon steel
Brace: Brass
Bolts and nuts: Stainless steel 304
Sealant: Nitrile rubber

Model	Name	Suitable for composite pipe outer diameter	d1	d2	D1	D2(mm)
ACCFC - 4054	Hoop flange joint	54	54	110	54	41
ACCFC - 5063		63	63	125	63	50
ACCFC - 50.563		63	63	125	63	50.5
ACCFC - 52.563		63	63	125	63	52.5
ACCFC - 8090		90	90	160	90	73
ACCFC - 100110		110	110	180	110	90

- **ACCBC series**
composite pipe hoop - type transition copper joint



Material:
Hoop: Brass
Insert tube and external thread: Brass
Bolt and nut: Stainless steel 304
Sealing element: Butyl rubber

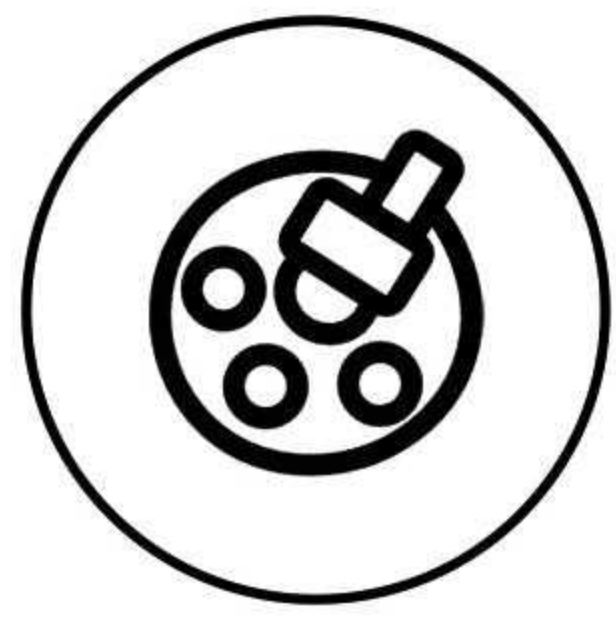
Model	Name	Suitable for outer diameter of composite pipe
ACCBC-4054	Hoop -type transition copper joint	54mm
ACCBC-5063		63mm
ACCBC-8090		90mm
ACCBC-100110		110mm

- **ACRFS series**
rubber flange sleeve



Material:
Hoop: Brass
Insert tube and external thread: Brass
Bolt and nut: Stainless steel 304
Sealing element: Butyl rubber

Model	Name	Suitable for outer diameter of composite pipe
ACCBC-4054	Rubber flange sleeve	54mm
ACCBC-5063		63mm
ACCBC-8090		90mm
ACCBC-100110		110mm



Oil Tanker Accessories

Oil tanker accessories serve critical roles in safe storage, operational efficiency, and regulatory compliance, including access points (manholes, platforms) for inspection and maintenance, pressure control (breathing and safety valves), monitoring tools (gauges, level sensors), safety features (fire arrestors, emergency valves), and fluid handling components (cargo lines, pumps) for loading and discharging.

RKG series/ACF series/ACFVV-100/ACFVV100-304/316/API Reducing coupling 1004GA/Aluminium Alloy Dust Cap 1004B-600



OIL TANKER



RKG-460



RKG-560



RKG-580



HDF series



HDFVV-100



HDFVV100-304/316



API Reducing coupling
1004GA



Aluminium Alloy Dust Cap
1004B-600

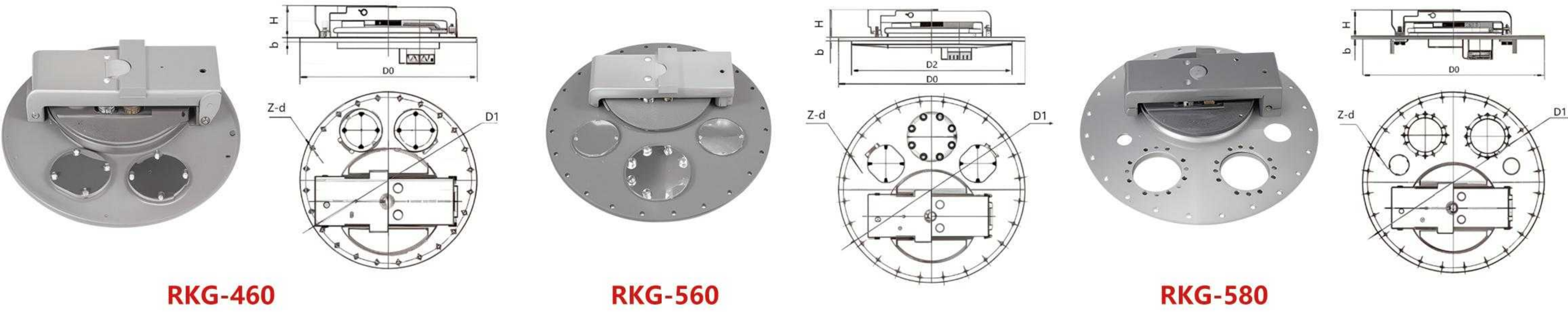
Product Features

Introduction: this product is designed for transportation safety of tank truck, it is installed in the top of the tank truck, has function of preventing overflow after rollover, anti-explosion. It can also balance the pressure inside the oil tank and the pressure outside. It is suitable for gasoline, kerosene, diesel and other light fuel tank truck, meet GB8564.1 - 2006 standard.

RKG series Aluminium alloy manhole cover

- **Structure:**
Aluminium alloy material, hard oxidation treatment on the surface, the manhole cover consists of the main cover, anti-explosion cover, double pressure plate, springs and ventilation valve

- **Emergency exhaust:**
when the tank truck meet an accident and in a high temperature circumstance, the anti-explosion cover has emergency exhaust function, emergency pressure is 21 - 35Kpa, Max exhaust rate is 7000m³/h, guarantee tank truck safety.



Type	D0	D1	D2	H	B	Z-d
460	Φ460	Φ432mm	/	88	12	24-Φ11
560	Φ560	Φ530mm	Φ482mm			
580	Φ580	Φ542mm	Φ496mm			

ACF series Emergency Cut off Valve

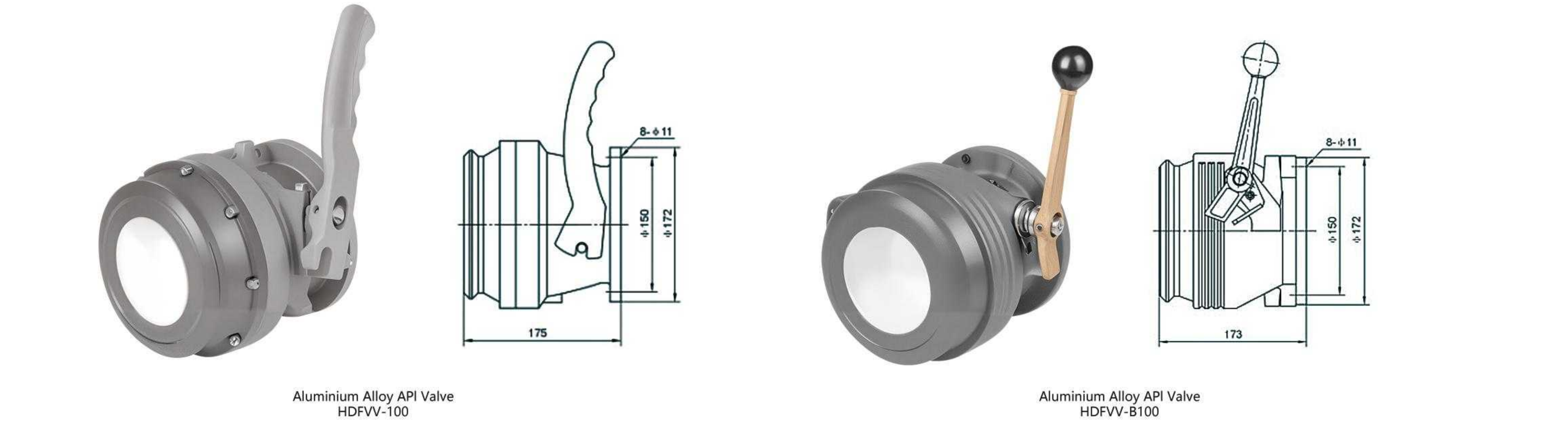
- **Function and characteristics:**
the emergency cut off valve use aluminium alloy material, cast molding, hard oxidation treatment on the surface, high corrosivity resistance, its accessories inside use stainless steel material, prolong its service life.
- **Profile:**
emergency cut off valve, installed on the bottom of the tank truck. If the tanker get intense impact, the emergency cut off valve will break automatically, separate the tanker body and bottom pipeline into independent tanker body, prevent liquid leakage and greatly improve the security during the transportation, so it is widely used all over the world. This product also meet QC/T932 - 2012 standard.



Type	Material	Open Type	Temperature Range	Work Pressure
ACFV-100	Aluminium Alloy	Pneumatic	-20°C- +70°C	0.6MPA
ACFV-80				
ACFVA-100				
ACFVB-100				
ACFVC-150		Manual		
ACFVD-100				
ACFVE-100				

ACFVV-100 Aluminium Alloy API Valve

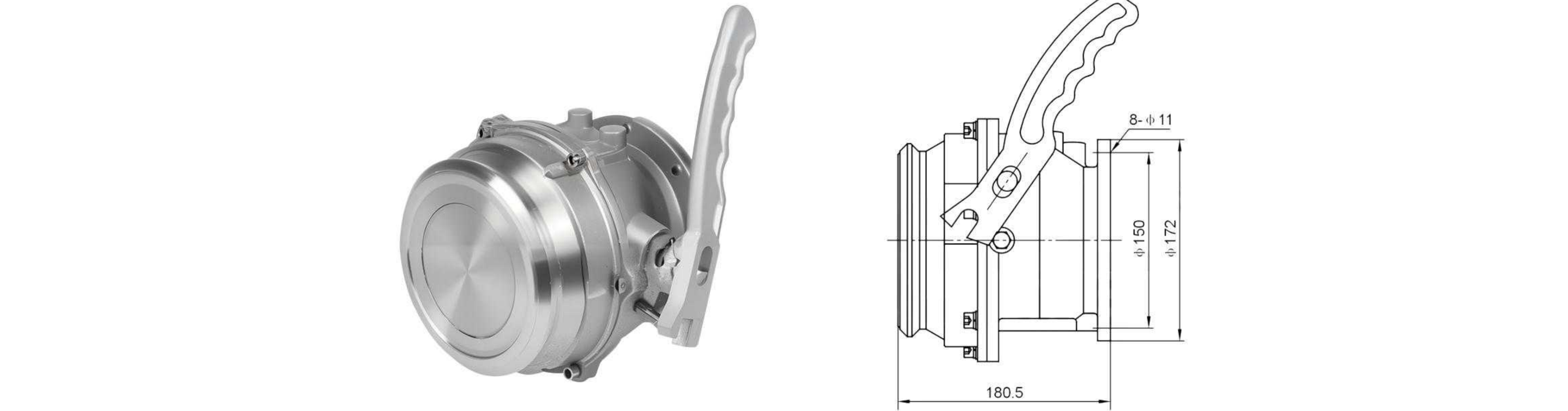
- Unloading oil adapter is also called API Valve, installed on one side of the bottom of the tanker, with the design of quick connecting structure, it can unloading oil quickly. With the handle equipped with gears, it can adjust flow rate. The Material of Main body is Alumin Alloy, lighter weight and sturdy. It is suitable for gasoline, diesel and kerosene and other light fuel



Nominat Diameter	Material	Work Pressure		Work temperature
4 "	Aluminium Alloy	0.6Mpa	2500L/min	-20C-+70C

ACFVV100-304/316 Stainless steel API

- API Adapter Valve is installed on one side of the bottom of the tanker, with the design of quick connecting structure. Interface dimension is designed according to the API RP1004 standard. This is an important component of the bottom loading system to get quick detachment without leakage, it is much more safe and reliable when doing the work of loading and unloading. It is suitable for unloading corrosive chemical materials.



Nominat Diameter	Material	Work Pressure		Work temperature
4 "	Aluminium Alloy	0.6Mpa	2500L/min	-20C-+120C

ACFVV100-304/316 Stainless steel API

- API gravity drop adapter coupling is used to unload quickly. different size, the oblique angle exit design is convenient for gravity unloading, making the unloading much faster and protecting the flexible hose not be bend efficiently. Female coupling and API adapter complies with the standard of API Rp 1004. It can connect with standard API coupling. With aluminum alloy die casting, surface oxidation treatment, high corrosion resistance, sturdy and durable.



Type	Material	Nominat Pressure
1004GA-6025	Stainless Steel	0.6MPa
1004GA-6030		
1004GA-6040		

Quick Coupling

Quick Coupling Size I

A	B	C	D	E	F	DP	DC
1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
1"	1"	1"	1"	1"	1"	1"	1"
1.2"	1.2"	1.2"	1.2"	1.2"	1.2"	1.2"	1.2"
1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"	1.5"
2"	2"	2"	2"	2"	2"	2"	2"
2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"
3"	3"	3"	3"	3"	3"	3"	3"
4"	4"	4"	4"	4"	4"	4"	4"
5"	5"	5"	5"	5"	5"	5"	5"
6"	6"	6"	6"	6"	6"	6"	6"



DC A



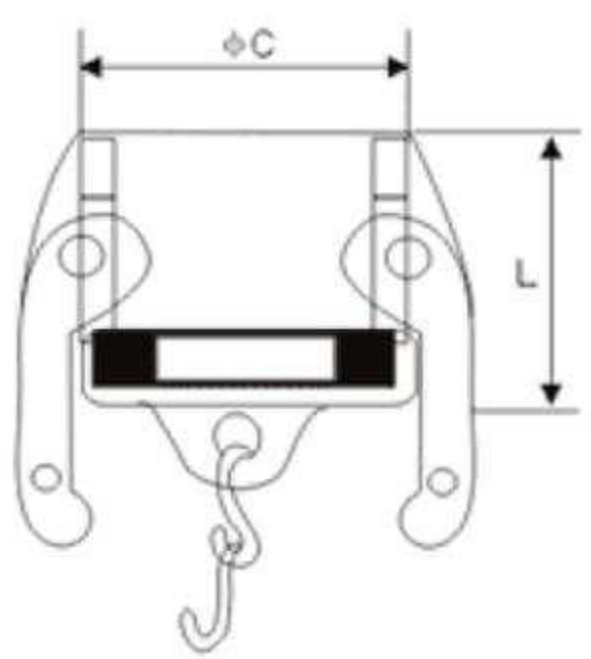
D DP



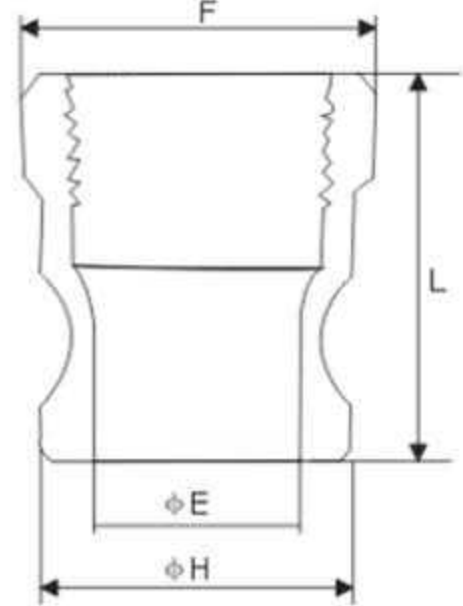
C F



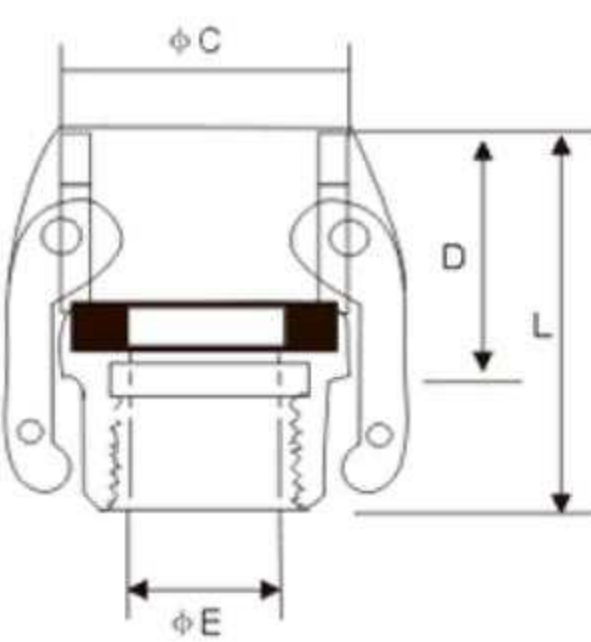
B E



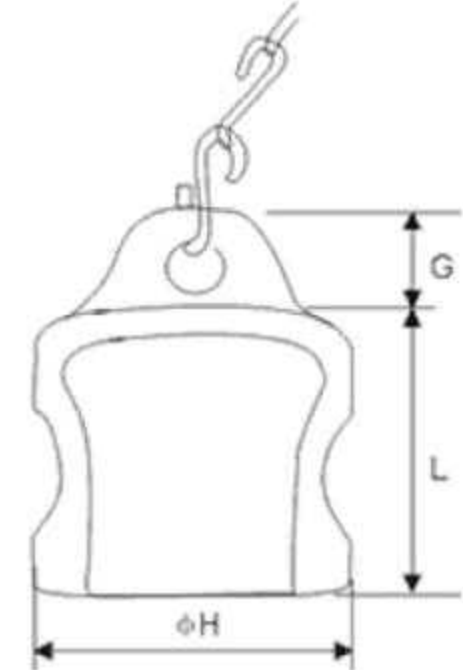
DC



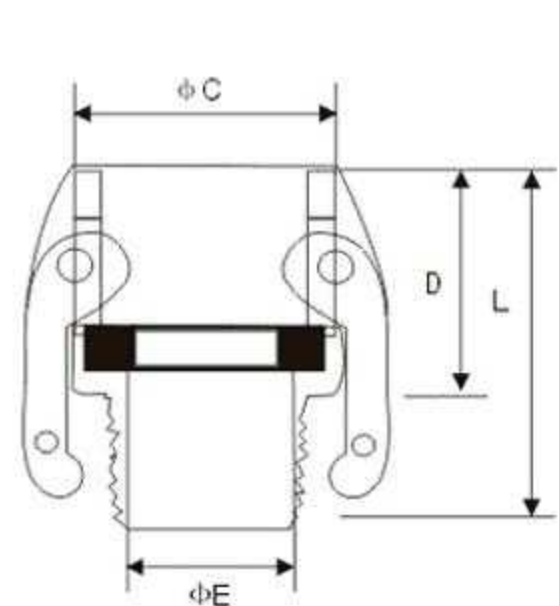
A



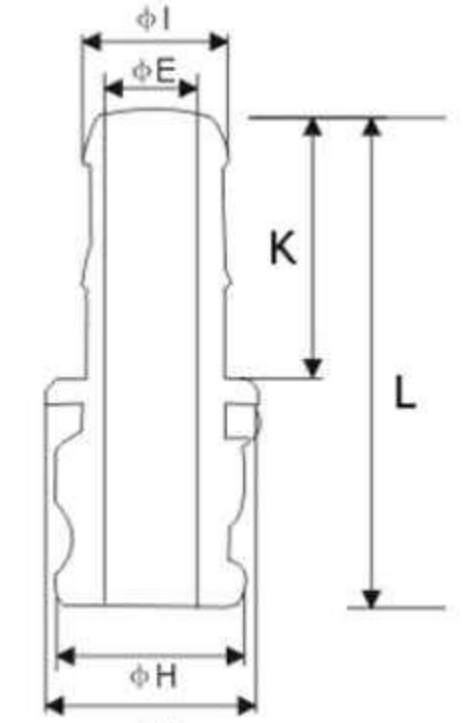
D



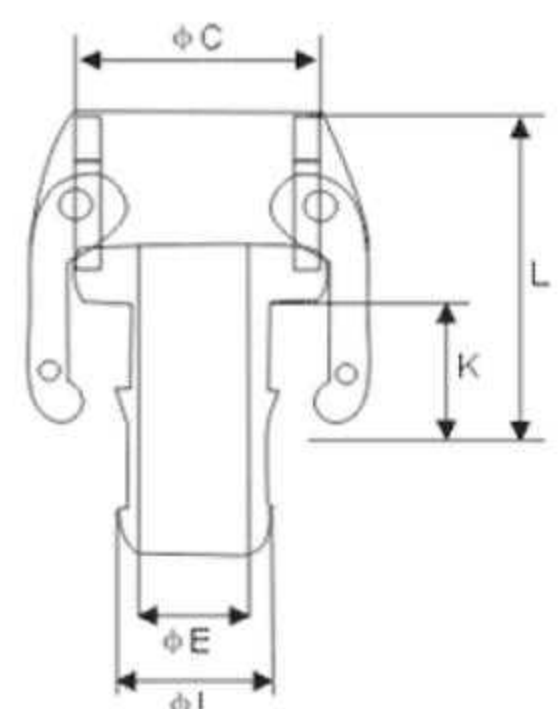
DP



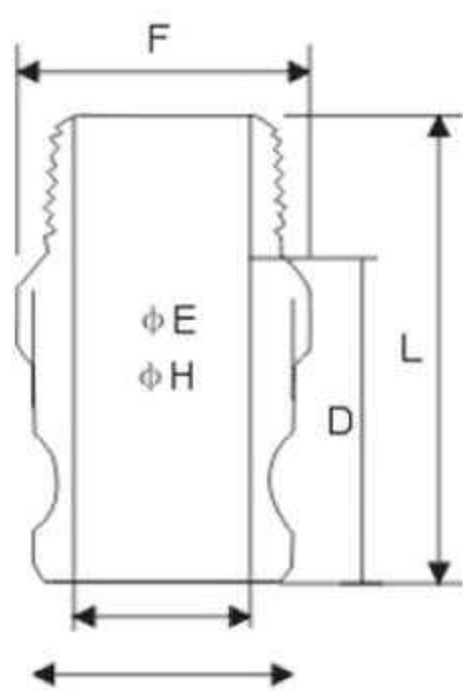
C



F



B



E

Oil Tank Accessories

AC-KS1



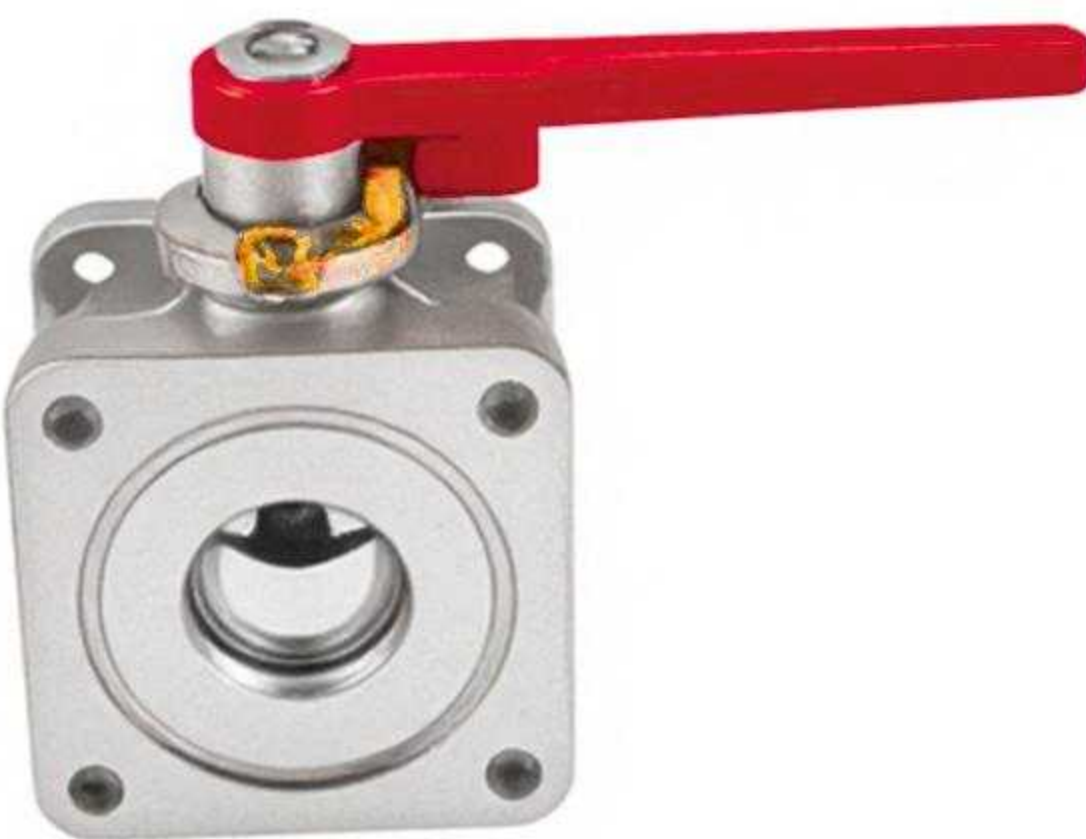
AC-KS2



AC-KS8/57



Ball valve



AC-KS5



AC-KS6



AC-KS7



AC-KS8



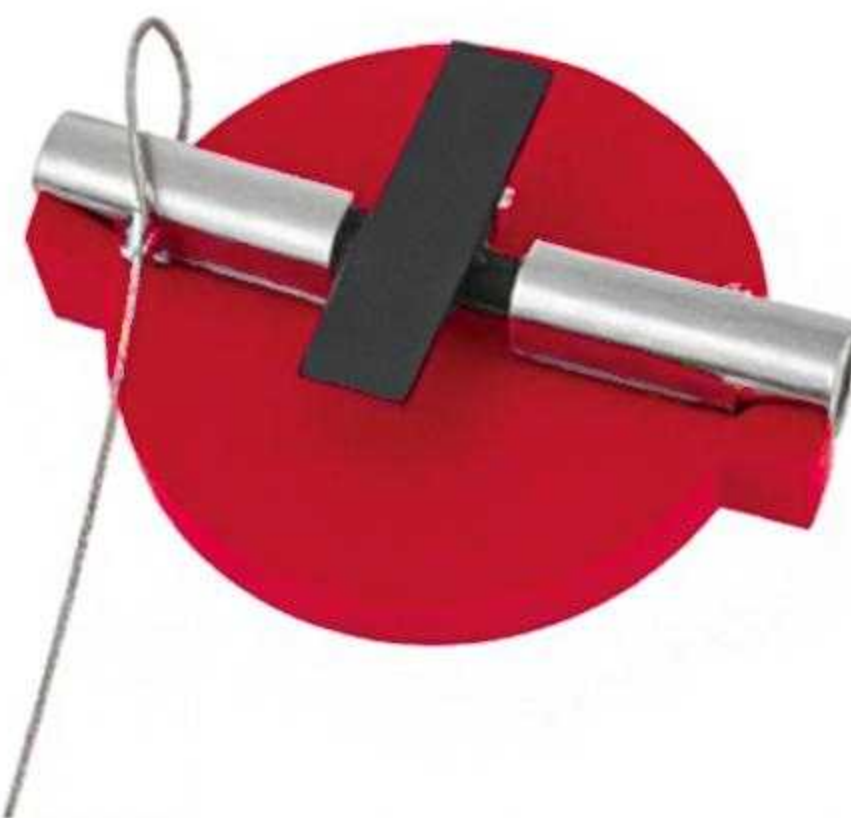
AC-K59



AC-KS10



AC-KS11



AC-KS12

