

POSSESS THE ABILITY TO INNOVATE
AND CONTINUOUSLY DEVELOP NEW
PRODUCTS

GK CATALOGUE

GK ENDORSED BY MULTIPLE GOVERNMENTS AROUND THE WORLD,
SATISFACTORY QUALITY GIVEN!

C o n t e n t s

01

Company Introduction

02

Products Introduction
& Certification

03

PP/PVDF Product Series

04

Aluminum Product Series

05

Stainless Steel 304/316/316L
Product Series

06

Electric Diaphragm Pumps
Product Series

07

Sanitary Pneumatic Diaphragm
Pumps Product Series

08

Piston Pumps Product Series

09

Metering Pumps / Dosing Pumps

10

Control Valves

01

Company Introduction



GIN KAI TECHNOLOGY (SHANGHAI) CO., LTD (GK)

It is an enterprise specializing in air operated diaphragm pumps, electric diaphragm pumps and piston pumps. GK have more than 30 years experiences on making and research air operated diaphragm pumps.

GK located in Shanghai and have 4 workshops to make and fulfil our local sales and export sales. The factories cover an area of approximately 8000 square meters.

GK not only absorbs advanced technology from abroad but also possess the ability to innovate and develop new products. We have the most complete specifications and varieties of air operated diaphragm pump. We have department for independent design and innovation, we have skillful worker teams with strong ability for precision machining.

Pump size includes 1/4", 3/8", 1/2", 3/4", 1", 1.5", 2", 3" , pump casing materials include Stainless Steel, Aluminum, Ductile Iron, Cast Steel, Plastic, PVDF. Our diaphragm pumps have a variety of import and export connection methods for simple structure and convenient use, this can be solving the problem of medium transportation easily! In addition, we have Smart Pump and New Energy Special Diaphragm Pump.

GK's partners are all over Asia, Middle East, New Zealand, Australia, and etc. Our vision is to allow our customers to use our products with peace of mind and provide customized services OEM to domestic and foreign companies. We promise to build a better future together with our customers!

Why us?

Team

Our team is passionate, whether at work or in life are full of energy. Our company will provided the training of profession knowledge to every employee the company . We are keen to provide our customers with the best service. we can provide any information, especially when customer demand for our products, including our product performance and use of a comprehensive analysis and accurate advice.

Technology

We have a professional technical team. Comprehensive technical knowledge can solve any problem. If the customer is interested in our products, also with our Technical Director of product performance. We always provide our customers the technology they need answering.

Value

Our company wholly own four factories, we can supply our customers with the most competitive prices. And we have the most experienced factory knowledge of our products. For example, our choice of suppliers is the result of a strict comparison. Therefore, based on the quality, we provide customers with the most competitive prices of our products. Our professional services will make prices more than expected.

Quality

Quality is the soul of enterprise. As a self-made manufacturer, we purchase the of the present market the best raw materials imported from the United States, Japan, South Korea and other countries. We always supply customer with high quality products. We have CNAS and FDA, ATEX Certificate, as well as numerous patents certificate. We have strict quality testing team, in the production will be strict quality inspection. We are committed to providing customers with the most favorable price, the best quality.

Service

We work with professional transportation manufacturers.They always provided the most professional support for us. If you have special needs documents, our transport partners will provide the necessary and accurate documentation. They can provide customers with the most economic freight advice and services. With us, your business is more convenient and more secure.

News

Our air operated diaphragm pumps are sold all over the world, we always pay attention to customer feedback and demand the latest news. Our Company entire sales team will share a message of different clients. For performance, quality or price, we will give the best to our customers. Our company regularly participates in domestic and overseas exhibitions, with its unique products advantages and special incentive mechanism to attract customers.

02

Products Introduction & Certification

Short and Simple Knowledge for GK AODD Pump

Suction Lift

Maximum 7m

Air Working Pressure

Up to 8.4bar

Working Temperature

-20°C to 100 °C

Viscosity

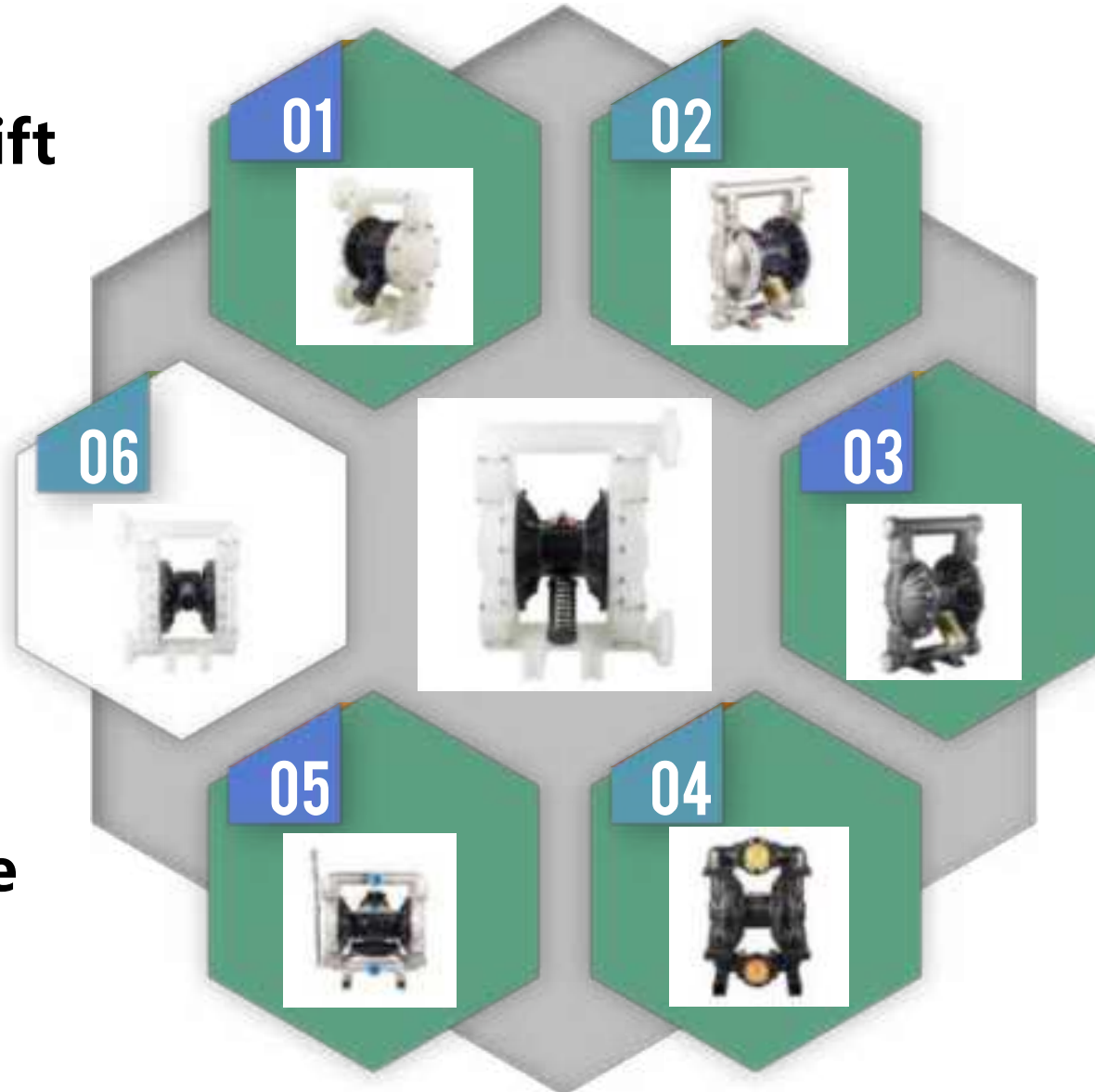
Max. 25000 cps

Flow Rate

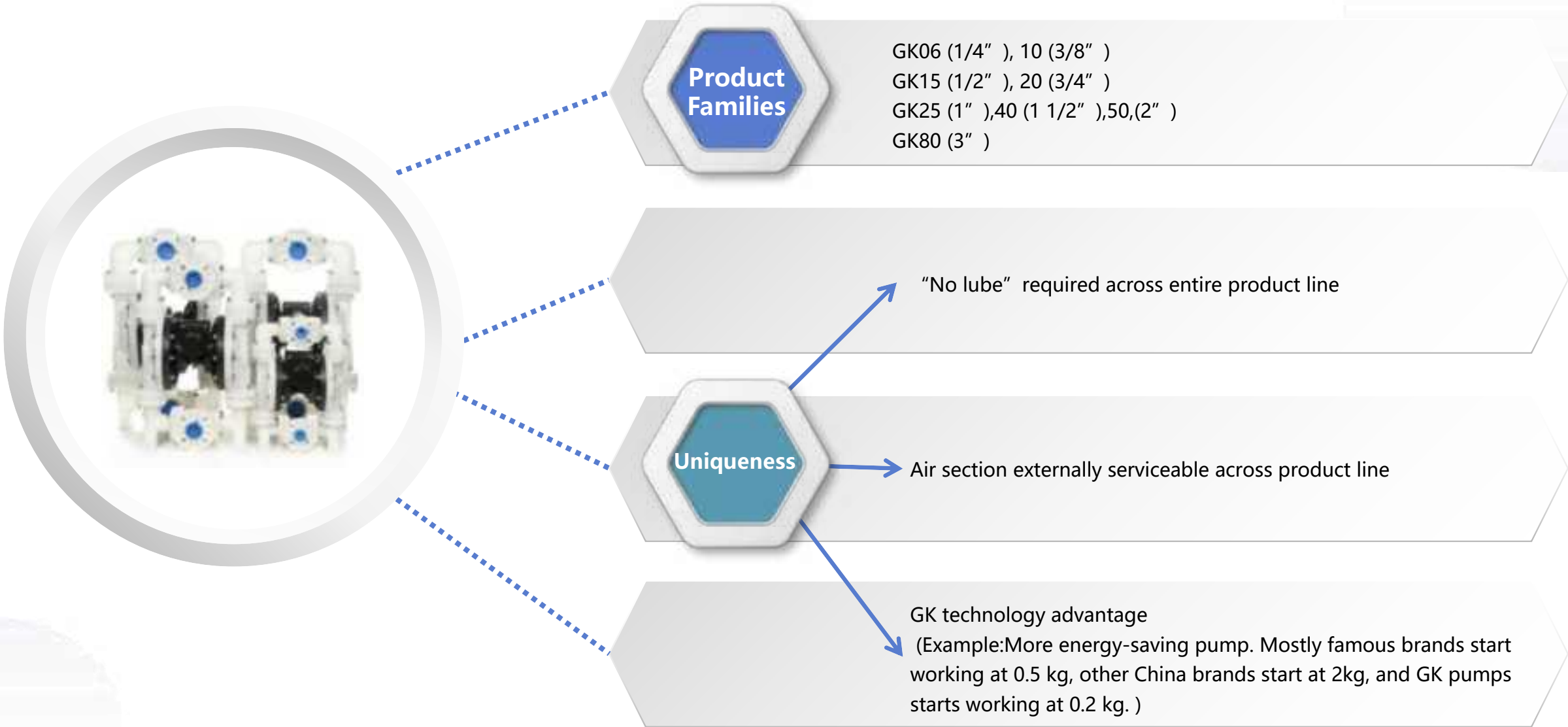
Max. 1 M³/m (300gpm)

Particle Size

Max. 9.4mm



GK Products Family



Product Families

GK06 (1/4"), 10 (3/8")
GK15 (1/2"), 20 (3/4")
GK25 (1"),40 (1 1/2"),50,(2")
GK80 (3")

Uniqueness

"No lube" required across entire product line

Air section externally serviceable across product line

GK technology advantage
(Example:More energy-saving pump. Mostly famous brands start working at 0.5 kg, other China brands start at 2kg, and GK pumps starts working at 0.2 kg.)

GK Diaphragm Pump Line

Model	Size of liquid inlet & outlet	Max. Flow Rate	Max. Working Pressure
GK06	1/4"	5 GPM (1 m3/h)	7 bar
GK10	3/8"	7 GPM (1.5 m3/h)	7 bar
GK15	1/2"	15 GPM (3 m3/h)	7 bar
GK20	3/4"	16 GPM (3.5 m3/h)	7 bar
GK25	1"	40 GPM (9 m3/h)	8.4 bar
GK40	1 1/2"	118 GPM (20 m3/h)	8.4 bar
GK50	2"	150GPM (34 m3/h)	8.4 bar
GK80	3"	270GPM (60 m3/h)	8.4 bar

Diaphragm Pump Model Selection Instruction

Series	Size	Body	Valve Seat	Ball	Diaphragm	Connection (only for plastic pumps)
GK-A Aluminum center body	06=1/4" (06mm)	M=Acetal (AC)	F=PTFE	F=PTFE	F=PTFE	F=Flange
	10=3/8" (10mm)	P=Polypropylene (PP)	M=Acetal (AC)	C=Ceramic	H=Hydrel (HY)	T=Threaded
	15=1/2" (15mm)		S=SS304	S=SS304	T=Sanitprene (SP)	
GK-S Stainless Steel center body	20=3/4" (20mm)	A=Aluminium (ADC12)	L=SS316	L=SS316	B=Buna N	
	25=1" (25mm)	S=SS304 (304)	H=Hydrel (HY)	H=Hydrel (HY)	V=Viton (VT)	
	40=1 1/2" (40mm)	K=PVDF (KY)	T=Sanitprene (SP)	T=Sanitprene (SP)	E=EPDM	
GK-P Plastic center body	50=2" (50mm)	D=Ductile Iron (DI)	V=Viton (VT)	B=Buna N		
	80=3" (80mm)	L=SS316 (316)	P=Polypropylene (PP)	V=Viton (VT)		
		G=SS316L (316)	K=PVDF (KY)	E=EPDM		
			G=SS316L (316)	G=SS316L (316)		

MODEL EXAMPLES

GK-P-25PKFF-F

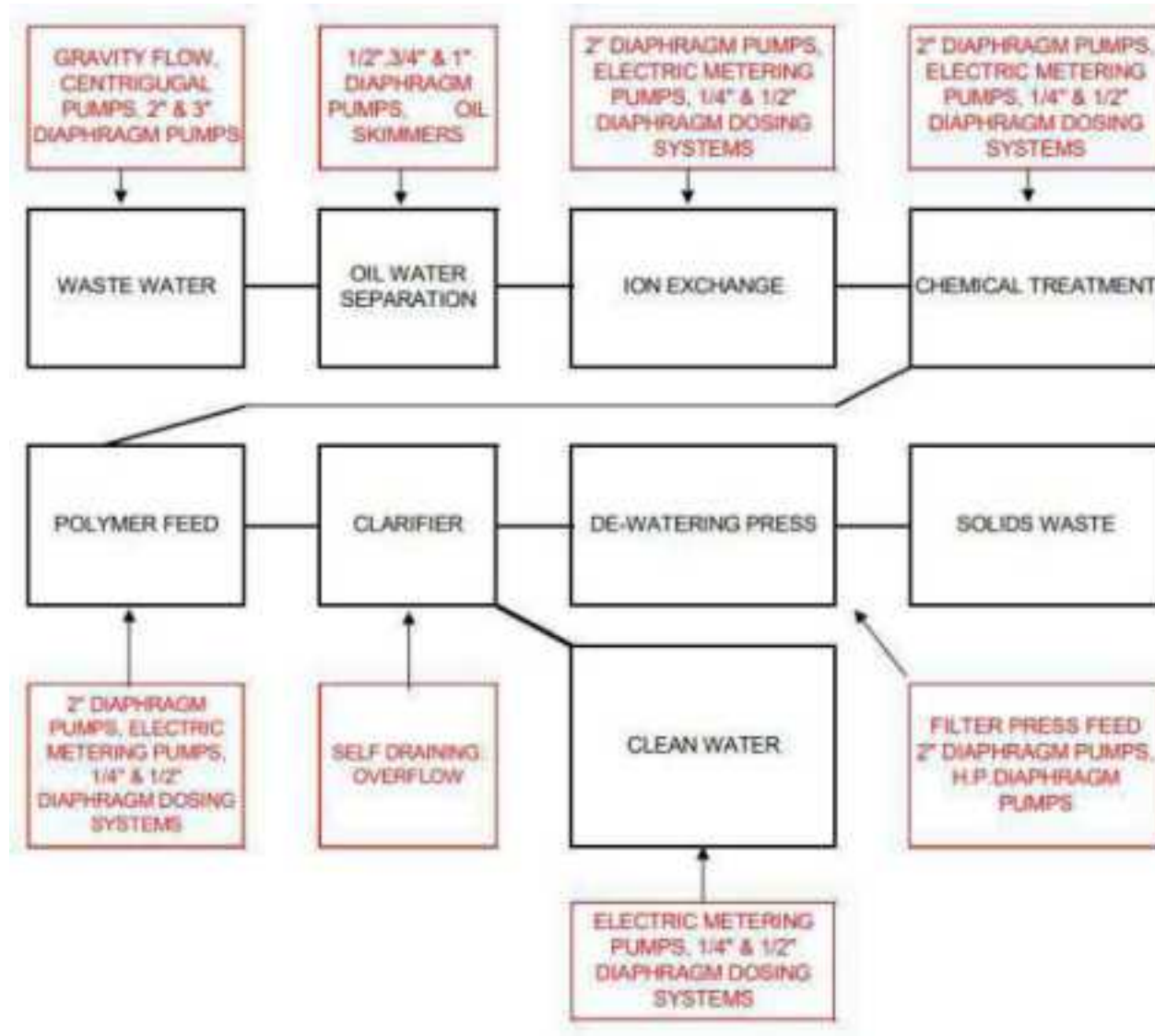
GK-A-25ASFF-T

GK-S-25SSSF-F



We have
professional
Engineering Team to
help you select the
models.

Recommended Diaphragm Pump Types Base On Different Process In Wastewater Treatment:



Advantages of GK Pneumatic Diaphragm Pump

A. Convenient Maintenance The internal volume is reduced to decrease waste and make cleaning convenient. The stainless steel bolt can resist corrosion and provide reasonable positioning for the convenience of reassembly.	F. Compatibility Of Fluid The shell materials that can be supplied include aluminum, stainless steel, ductile iron, polypropylene, conductive acetal or Kynar fluoropolymer.
B. Unique Patented Air Valve Three-way control valve makes sure the non-blocking operation. All parts can be easily subjected to external maintenance. No need of lubrication in the air pipeline.	G. Reasonable Seal Design The diaphragm is tightly locked at the position. The forming plate that plays the function of active liquid seal. One through hole.
C. Precisely Designed Spare Parts The wear resistant end bearing can ensure correct positioning of stem and its replacement is simple.	H. Heavy-duty Diaphragm Plate The diaphragm plate with reliable holding can eliminate leakage and dropping and prevent the occurrence of expensive shut-down time.
D. Discharge Outlet Provided With Protection All discharge outlets adopt a common port to prevent vaporized liquid in the room from eroding seals of the air motor. Idling function that makes the operations of loading and unloading of the storage tank convenient.	I. Stem Design With Long Service Life The 300 series stainless steel stem has longer service life and still has good corrosion resistance in damp air.
E. Solid External Structure The corrosion resistant structure can prevent leakage and ensure replacement of clean fluid. The aluminum central part is provided with epoxy coatings. The corrosion resistant central part is made of 316 stainless steel.	J. Easy Positioning Bolt connected, self positioning air and fluid unit. K. Multiple Choice of Rubber Material Various seat and ball options can ensure compatibility and reliable sealing, and therefore, it is provided with highly efficient and long-term service life as well as better suction lift height.

GK Performance Test Comparison

Brand	GK	Other Top Brands	Cheap Products
Maximum free flow test (based on GK40 pump, medium is water, normal temperature)	22m3/h	20m3/h	9m3/h
Low voltage start test	Single diaphragm 0.2kg, Double diaphragm 1kg	1kg	2kg
High-pressure burst test (taking Santoprene as an example)	35kg	25kg	12kg
Diaphragm life reciprocating test	8 million times	7 million times	2 million times
Outlet pressure test	8.4kg	8.3kg	5kg
Ball test	Grind twice	Grind twice	Once formed
Ball Seat Test	Reusable front and back	The front and back are not reusable	The front and back are not reusable
Air Motor Test	Pilot Air Motor	Pilot Air Motor	piston air motor
Upper and lower cover test	Semicircle room. Advantages: the protective ball is impact-resistant	There are 3 points, the ball is easy abrasion	There are 3 points, the ball is easy abrasion
Pump shaft test	A polished rod, after 1500-degree laser processing and heat treatment, the surface reaches a mirror surface, and its hardness is 10 times higher than that of stainless steel. Advantages: easy maintenance	There are many O-rings on the pump shaft. Weak Point: Difficult to maintain	There are many O-rings on the pump shaft. Weak Point: Difficult to maintain

GK Certification



ISO
9001



ISO
14001



FDA



ATEX

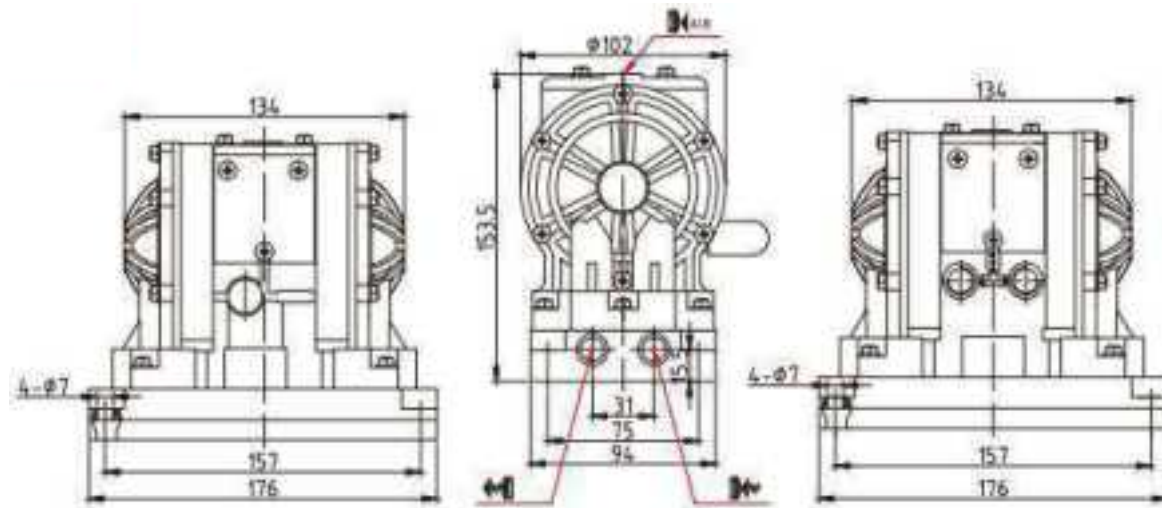
03

PP/PVDF Product Series

GIN KAI TECHNOLOGY (SHANGHAI) CO.,LTD

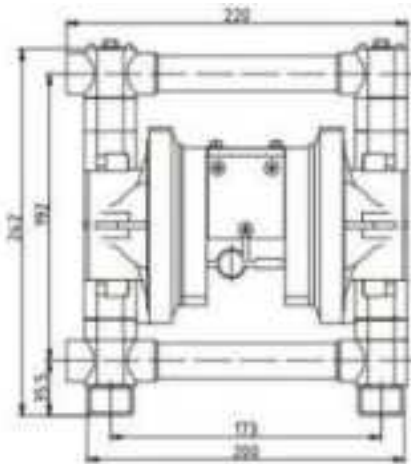
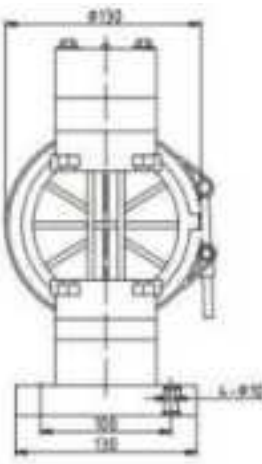
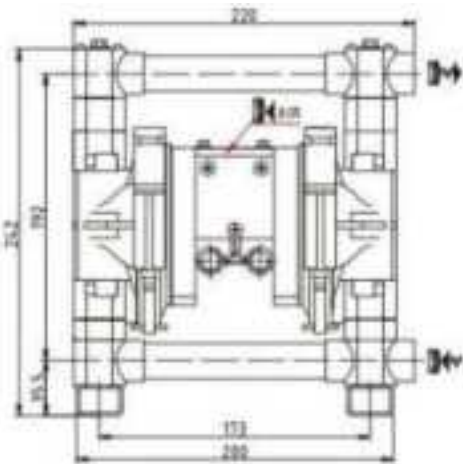
GK 1/4" PP/PVDF Diaphragm Pump

Model	GK06 PP/PVDF Diaphragm Pump
Max.Working Pressure	100psi (0.7Mpa,7bar)
Max.Flow Rate	5.0 gpm (19 lpm)
Max.Reciprocating Speed	320cpm
Max. Suction Height (Dry Sucking)	3m
Max.Permitted Grain	0.06min (1.5mm)
Max. Air Consumption	7.0 scfm (3.5L/s)
Air Inlet Size	1/4 in.
Air Outlet Size	1/4 in.
Fluid Inlet Size	1/4 in.
Fluid Outlet Size	1/4 in.
Weight	PP pump: 1.1kg PVDF pump: 1.5kg



GK 3/8" PP/PVDF Diaphragm Pump

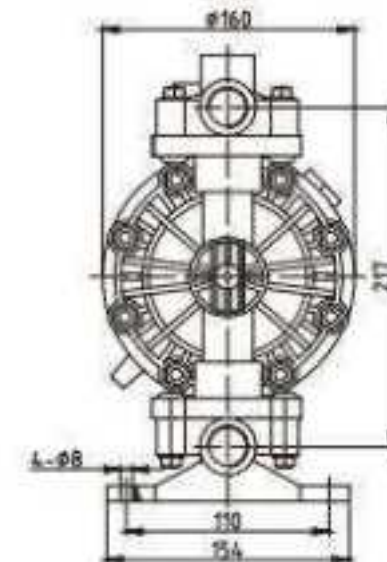
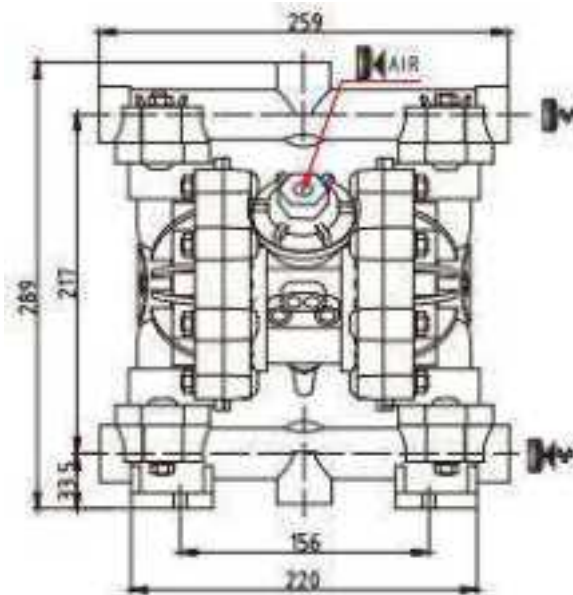
Model	GK10 PP / PVDF Diaphragm Pump
Max.Working Pressure	100psi (0.7Mpa, 7bar)
Max.Flow Rate	7 gpm (26.5 lpm)
Max.Reciprocating Speed	330cpm
Max. Suction Height (Dry Sucking)	3.7m
Max.Permitted Grain	1/16in (1.6mm)
Max.Air Consumption	18scfm (9L/s)
Air Inlet Size	1/4 in.
Air Outlet Size	1/4 in.
Fluid Inlet Size	3/8 in.
Fluid Outlet Size	3/8 in.
Weight	PP pump: 3kg PVDF pump: 3.5kg



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GK 1/2" PP Diaphragm Pump

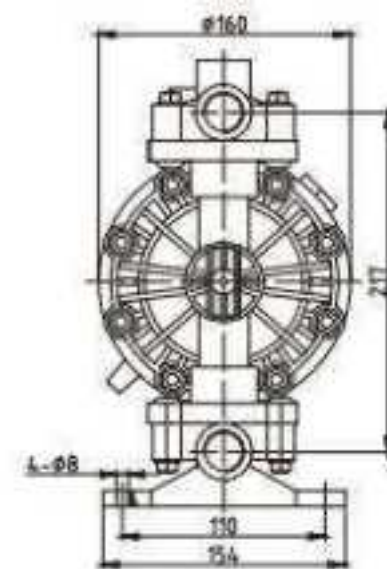
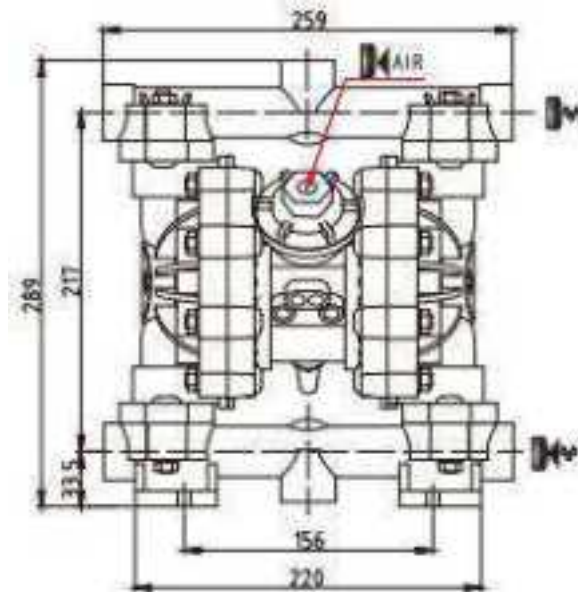
Model	GK15 Full Polypropylene Diaphragm Pump
Max.Working Pressure	100psi (0.7Mpa, 7bar)
Max.Flow Rate	15gpm (57 lpm)
Max.Reciprocating Speed	400cpm
Max. Suction Height(Dry Sucking)	15ft (4.5m)
Max. Permitted Grain	3/32in. (2.5mm)
Max. Air Consumption	20scfm (10L/s)
Air Inlet Size	1/4 in.
Air Outlet Size	3/8 in.
Fluid Inlet Size	1/2 in.
Fluid Outlet Size	1/2 in.
Weight	PP pump 3.4kg



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GK 1/2" PVDF Diaphragm Pump

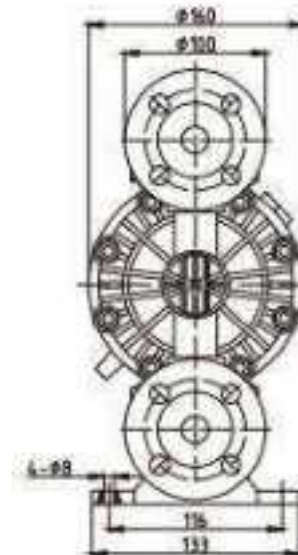
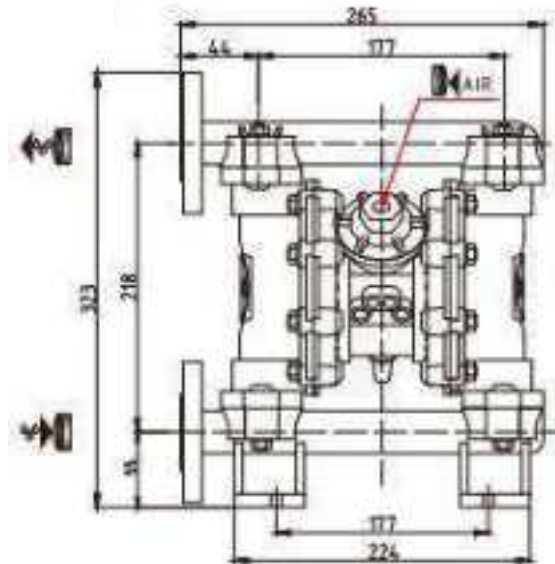
Model	GK15 PVDF Diaphragm Pump
Max.Working Pressure	100psi (0.7Mpa, 7bar)
Max.Flow Rate	15gpm (57 lpm)
Max.Reciprocating Speed	400cpm
Max. Suction Height (Dry Sucking)	15ft (4.5m)
Max.Permitted Grain	3/32in. (2.5mm)
Max. Air Consumption	20scfm (10L/s)
Air Inlet Size	1/4 in.
Air Outlet Size	3/8 in.
Fluid Inlet Size	1/2 in.
Fluid Outlet Size	1/2 in.
Weight	PVDF pump 4.6kg



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GK 1/2" PVDF Diaphragm Pump

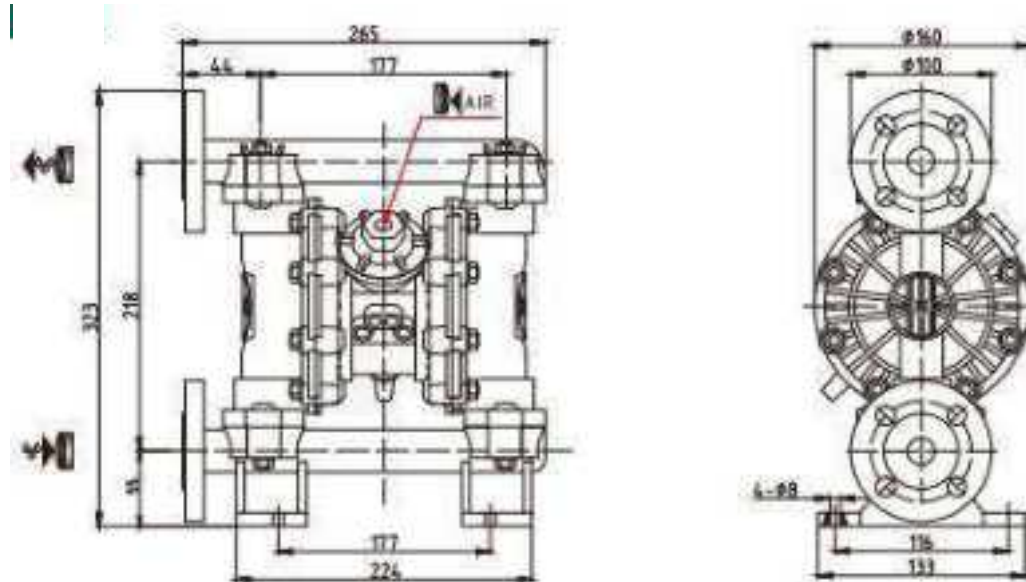
Model	GK15 Full Polypropylene Diaphragm Pump
Max.Working Pressure	100psi (0.7Mpa, 7bar)
Max.Flow Rate	15gpm (57 lpm)
Max.Reciprocating Speed	400cpm
Max. Suction Height(Dry Sucking)	15ft (4.5m)
Max. Permitted Grain	3/32in. (2.5mm)
Max. Air Consumption	20scfm (10L/s)
Air Inlet Size	1/4 in.
Air Outlet Size	3/8 in.
Fluid Inlet Size	1/2 in.
Fluid Outlet Size	1/2 in.
Weight	PP pump 3.4kg



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GK 3/4" PP/PVDF Diaphragm Pump

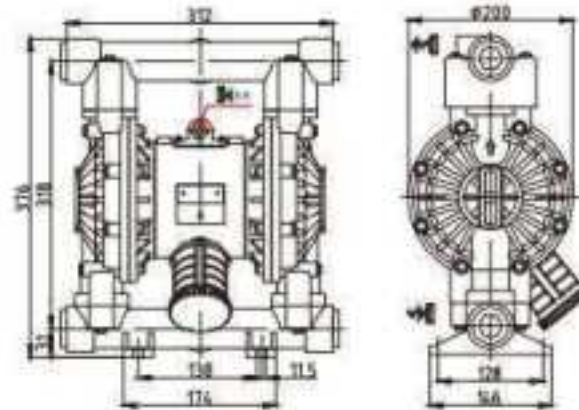
Model	GK20 PP / PVDF Diaphragm Pump
Max Working Pressure	100psi (0.7Mpa, 7bar)
Max Flow Rate	16 gpm (61 lpm)
Max Reciprocating Speed	400cpm
Max. Suction Height (Dry Sucking)	15ft (4.5m)
Max Permitted Grain	3/32in. (2.5mm)
Max Air Consumption	20scfm (10L/s)
Air Inlet Size	1/4 in.
Air Outlet Size	3/8 in.
Fluid Inlet Size	3/4 in.
Fluid Outlet Size	3/4 in.
Weight	PP pump 3.5kg PVDF pump 4.9kg



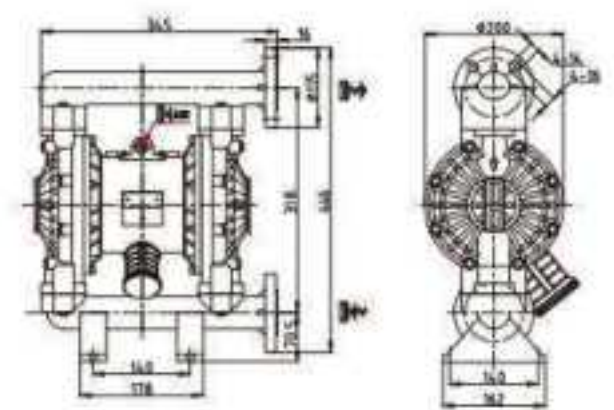
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GK 1" PP Diaphragm Pump

Model	GK25 Full Polypropylene Diaphragm Pump
Max.Working Pressure	120psi (0.84Mpa, 8.4bar)
Max.Flow Rate	40 gpm (150 lpm)
Max.Reciprocating Speed	276cpm
Max.Suction Height (Dry Sucking)	5m
Max.Permitted Grain	0.16in (4mm)
Max.Air Consumption	45scfm (22.5L/s)
Air Inlet Size	1/2 in.
Air Outlet Size	3/4 in.
Fluid Inlet Size	1 in.
Fluid Outlet Size	1 in.
Weight	Thread connect: PP 8.5kg. Flange connect: PP 8.3kg



Thread Connect



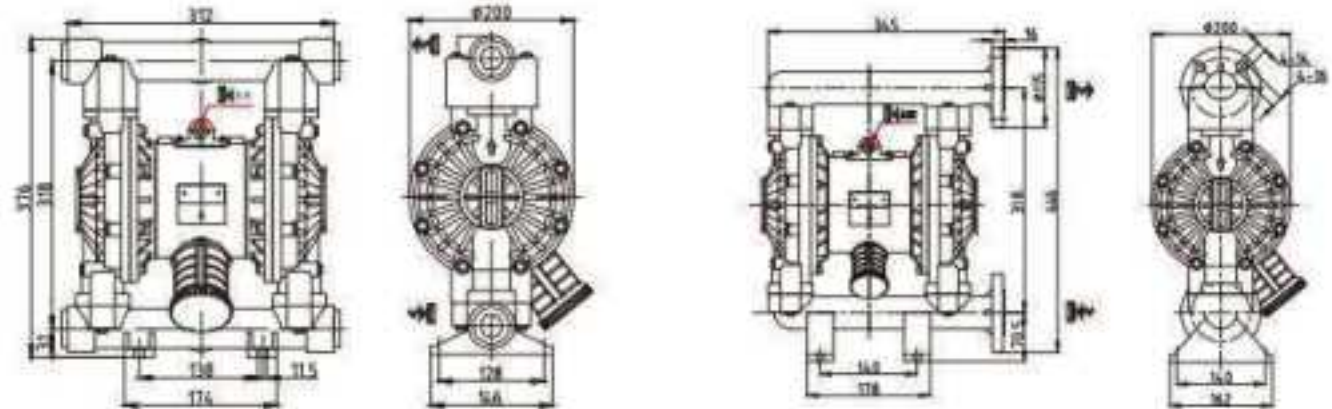
Flange Connect

GIN KAI TECHNOLOGY (SHANGHAI) CO.,LTD

GK 1" PVDF Diaphragm Pump



Model	GK25 PVDF Diaphragm Pump
Max Working Pressure	120psi (0.84Mpa, 8.4bar)
Max Flow Rate	40 gpm (150 lpm)
Max Reciprocating Speed	276cpm
Max Suction Height (Dry Sucking)	5m
Max Permitted Grain	0.16in (4mm)
Max Air Consumption	45scfm (22.5L/s)
Air Inlet Size	1/2 in.
Air Outlet Size	3/4 in.
Fluid Inlet Size	1 in.
Fluid Outlet Size	1 in.
Weight	Thread connect: PVDF 10.5 kg. Flange connect: PVDF 10.8 kg

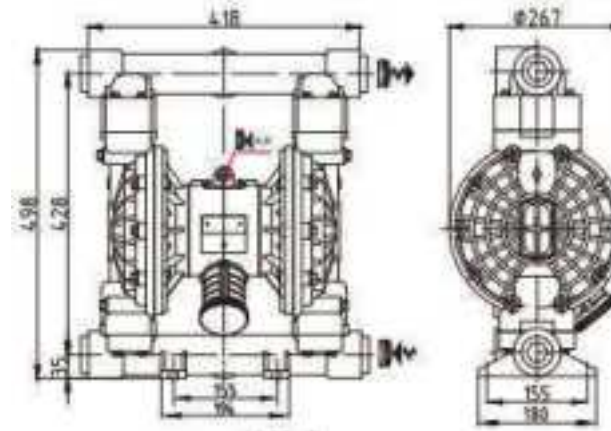


Thread Connect

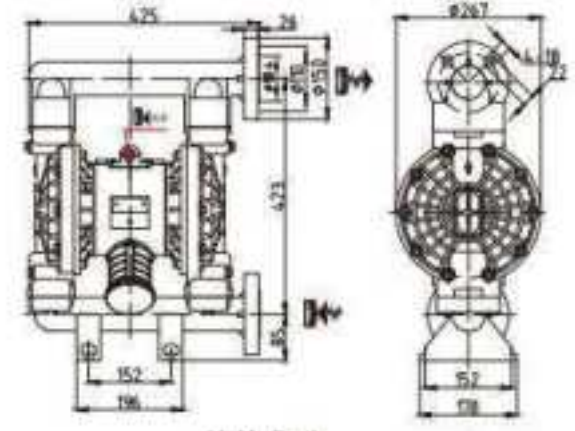
Flange Connect

GK 1 1/2" PP Diaphragm Pump

Model	GK40 Polypropylene Diaphragm Pump
Max.Working Pressure	120psi (0.84Mpa, 8.4bar)
Max.Flow Rate	90gpm (340 pm)
Max.Reciprocating Speed	200cpm
Max. Suction Height(Dry Sucking)	5m
Max Permitted Grain	0.2in. (5mm)
Max.Air Consumption	80scfm (40L/s)
Air Inlet Size	1/2in.
Air Outlet Size	3/4in.
Fluid Inlet Size	1 1/2 in.
Fluid Outlet Size	1 1/2 in.
Weight	Thread connect : PP 14kg, Flange connect : PP 15kg



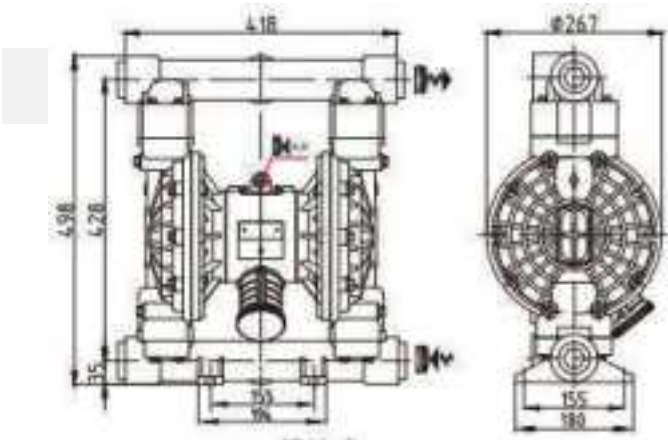
Thread Connect



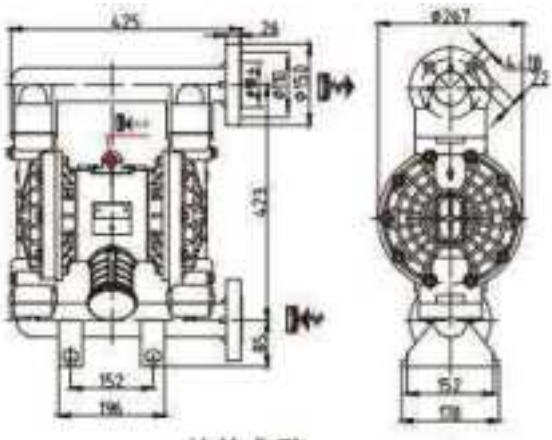
Flange Connect

GK 1 1/2" PVDF Diaphragm Pump

Model	GK40 PVDF Diaphragm Pump
Max Working Pressure	120psi (0.84Mpa, 8.4bar)
Max Flow Rate	90gpm (340 pm)
Max Reciprocating Speed	200cpm
Max. Suction Height(Dry Sucking)	5m
Max Permitted Grain	0.2in. (5mm)
Max Air Consumption	80scfm (40L/s)
Air Inlet Size	1/2in.
Air Outlet Size	3/4in.
Fluid Inlet Size	1 1/2 in.
Fluid Outlet Size	1 1/2 in.
Weight	Thread connect : PVDF 20.0kg, Flange connect : PVDF 20.2kg



Thread Connect



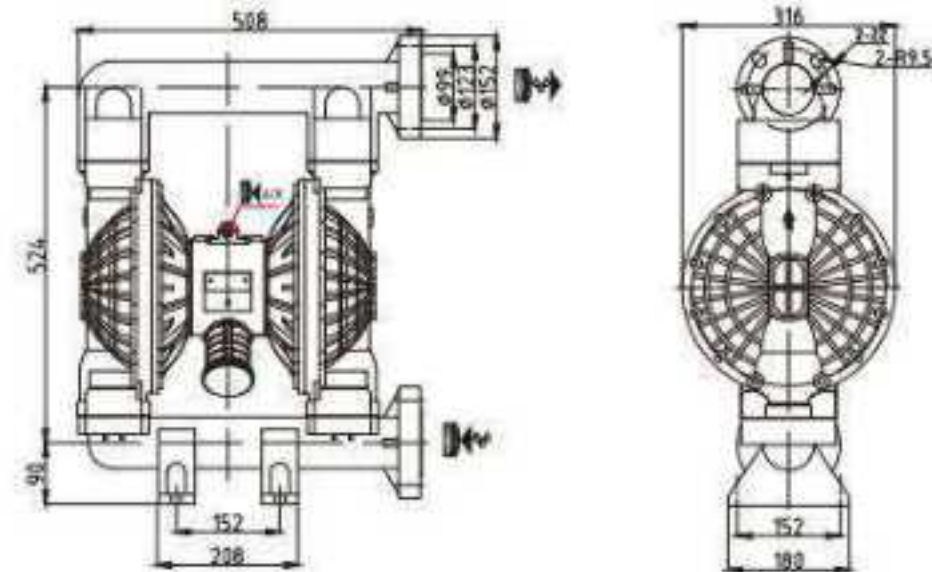
Flange Connect

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GK 2" PP Diaphragm Pump



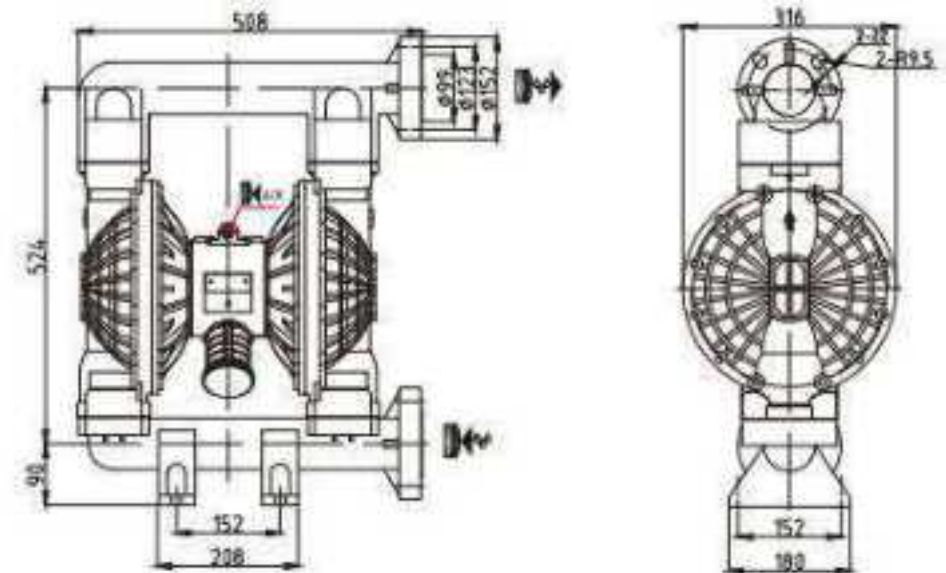
Model	GK50 Full Polypropylene Diaphragm Pump
Max Working Pressure	120psi (0.84Mpa, 8.4bar)
Max Flow Rate	150 gpm (570 lpm)
Max Reciprocating Speed	145cpm
Max. Suction Height(Dry Sucking)	5m
Max Permitted Grain	0.24in. (6mm)
Max Air Consumption	140scfm (70L/s)
Air Inlet Size	1/2 in.
Air Outlet Size	3/4 in.
Fluid Inlet Size	2 in.
Fluid Outlet Size	2 in.
Weight	Flange connect PP 22.0kg



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GK 2" PVDF Diaphragm Pump

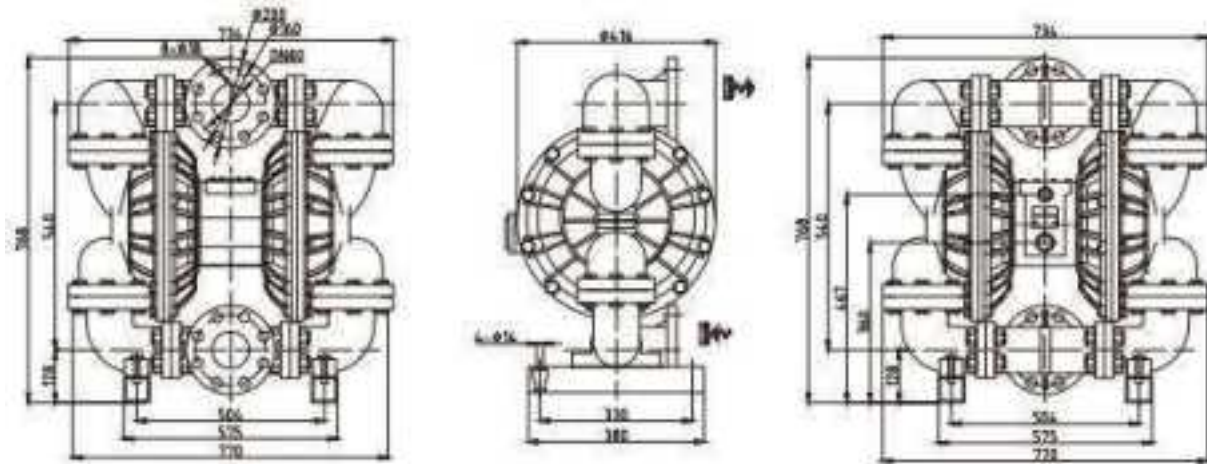
Model	GK50 PVDF Diaphragm Pump
Max.Working Pressure	120psi (0.84Mpa, 8.4bar)
Max.Flow Rate	150 gpm (570 lpm)
Max.Reciprocating Speed	145cpm
Max. Suction Height (Dry Sucking)	5m
Max.Permitted Grain	0.24in. (6mm)
Max Air Consumption	140scfm (70L/s)
Air Inlet Size	1/2 in
Air Outlet Size	3/4 in.
Fluid Inlet Size	2 in.
Fluid Outlet Size	2 in.
Weight	Flange connect PVDF 29.5kg



GIN KAI TECHNOLOGY (SHANGHAI) CO.,LTD

GK 3" PP Diaphragm Pump

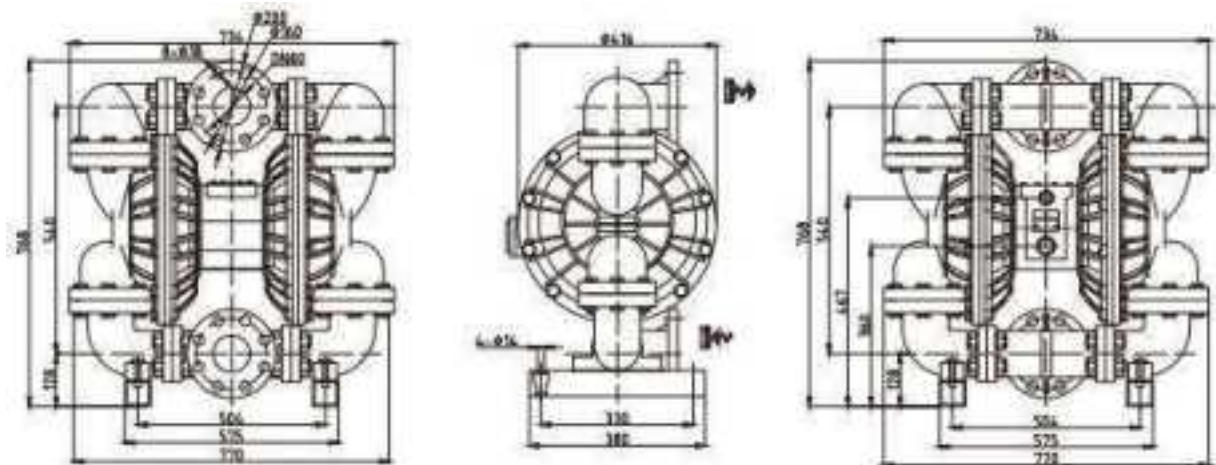
Model	GK80 Polypropylene Diaphragm Pump
Max. Working Pressure	120psi (0.84Mpa, 8.4bar)
Max.Flow Rate	270 gpm (1022 pm)
Max.Reciprocating Speed	135cpm
Max. Suction Height(Dry Sucking)	5m
Max.Permitted Grain	0.37in. (9.4mm)
Max. Air Consumption	180scfm (90L/s)
Air Inlet Size	3/4 in.
Air Outlet Size	1 in.
Fluid Inlet Size	3in.
Fluid Outlet Size	3in.
Weight	PP pump; 51kg



GIN KAI TECHNOLOGY (SHANGHAI) CO.,LTD

GK 3" PVDF Diaphragm Pump

Model	GK80 PVDF Diaphragm Pump
Max. Working Pressure	120psi (0.84Mpa, 8.4bar)
Max.Flow Rate	270 gpm (1022 pm)
Max.Reciprocating Speed	135cpm
Max. Suction Height(Dry Sucking)	5m
Max Permitted Grain	0.37in. (9.4mm)
Max. Air Consumption	180scfm (90L/s)
Air Inlet Size	3/4 in.
Air Outlet Size	1 in.
Fluid Inlet Size	3in.
Fluid Outlet Size	3in.
Weight	PVDF pump: 79kg



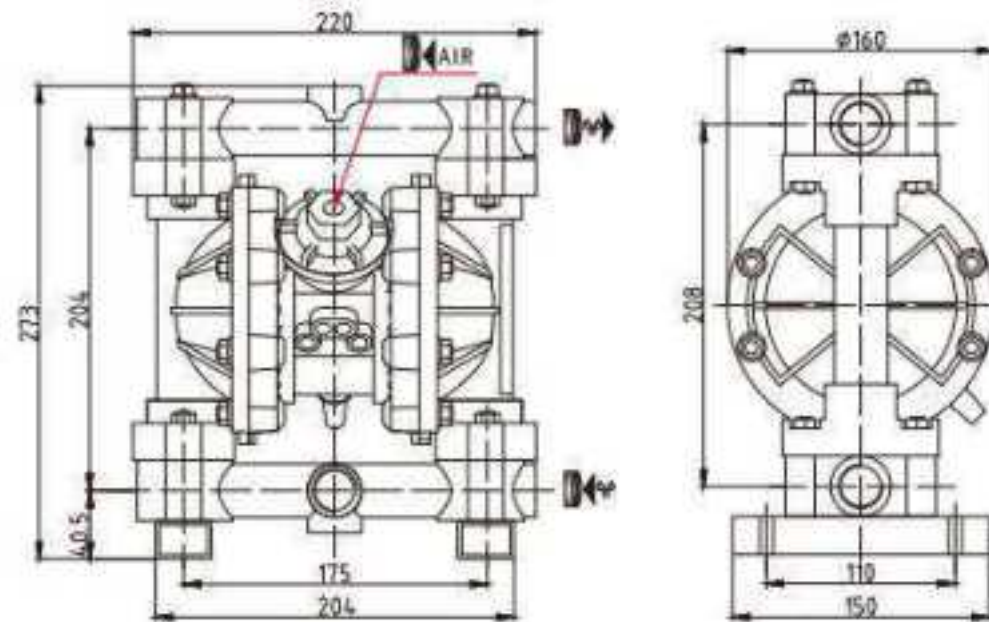
04

Aluminum Product Series

GIN KAI TECHNOLOGY (SHANGHAI) CO.,LTD

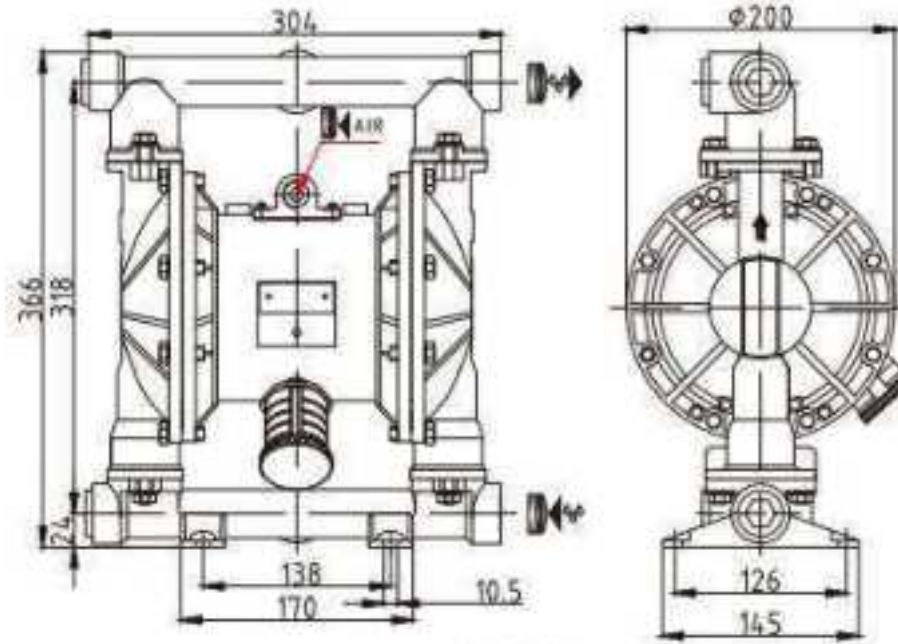
GK 1/2" ALUMINUM Diaphragm Pump

Model	GK15 Aluminum Diaphragm Pump
Max Working Pressure	100psi (0.7Mpa, 7bar)
Max Flow Rate	15 gpm (57 lpm)
Max Reciprocating Speed	400cpm
Max. Suction Height(Dry Sucking)	4.5m
Max Permitted Grain	3/32 in. (2.5mm)
Max Air Consumption	20scfm (10L/s)
Air Inlet Size	1/4 in.
Air Outlet Size	3/8 in.
Fluid Inlet Size	1/2, 3/4 in.
Fluid Outlet Size	1/2, 3/4 in.
Weight	Aluminum pump 4.5kg



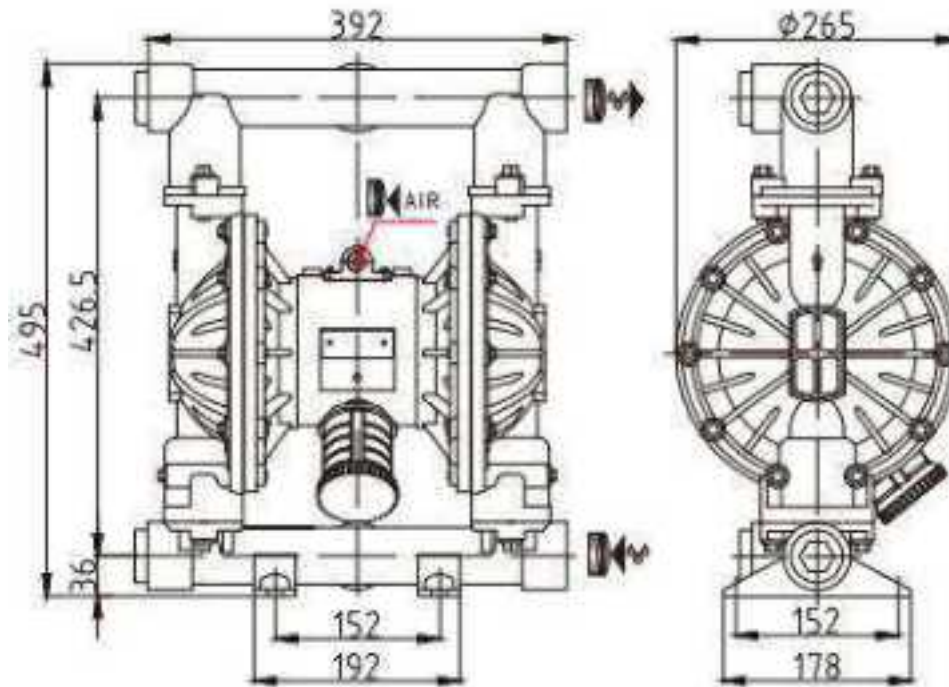
GK 1" ALUMINUM Diaphragm Pump

Model	GK25 Aluminum Diaphragm Pump
Max Working Pressure	120psi (0.84Mpa, 8.4bar)
Max Flow Rate	40 gpm (150 lpm)
Max Reciprocating Speed	276cpm
Max Suction Height(Dry Sucking)	5m
Max Permitted Grain	0.16in. (4mm)
Max Air Consumption	45scm (22.5L/s)
Air Inlet Size	1/2in.
Air Outlet Size	3/4 in.
Fluid Inlet Size	1 in
Fluid Outlet Size	1 in
Weight	Aluminum pump 8.2kg



GK 1 1/2" ALUMINUM Diaphragm Pump

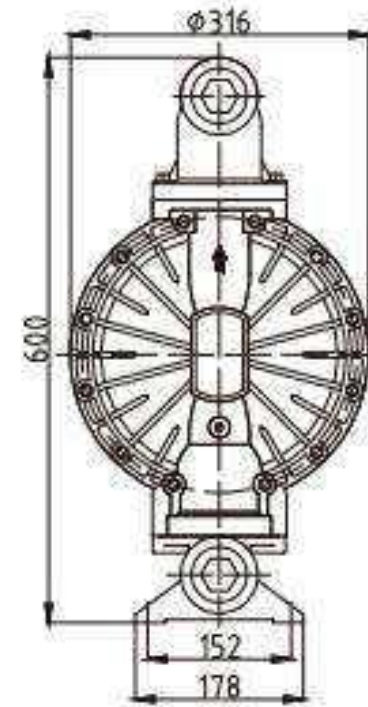
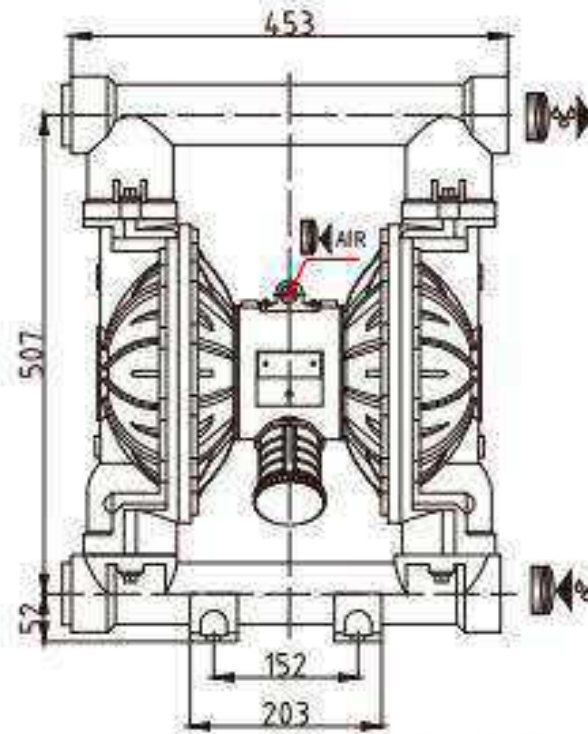
Model	GK40 Aluminum Diaphragm Pump
Max Working Pressure	120psi (0.84Mpa, 8.4bar)
Max.Flow Rate	90 gpm (340 lpm)
Max.Reciprocating Speed	200cpm
Max. Suction Height (Dry Sucking)	5m
Max.Permitted Grain	0.2in (5mm)
Max. Air Consumption	80scfm (40L/s)
Air Inlet Size	1/2 in.
Air Outlet Size	3/4 in.
Fluid Inlet Size	1-1/2in.
Fluid Outlet Size	1-1/2 in.
Weight	Aluminum pump 29.5kg



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GK 2" ALUMINUM Diaphragm Pump

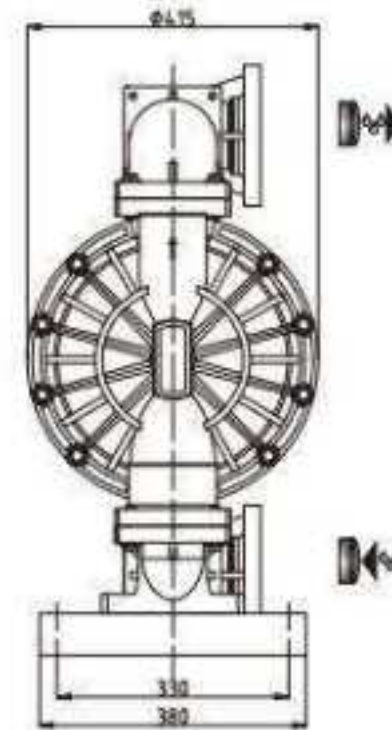
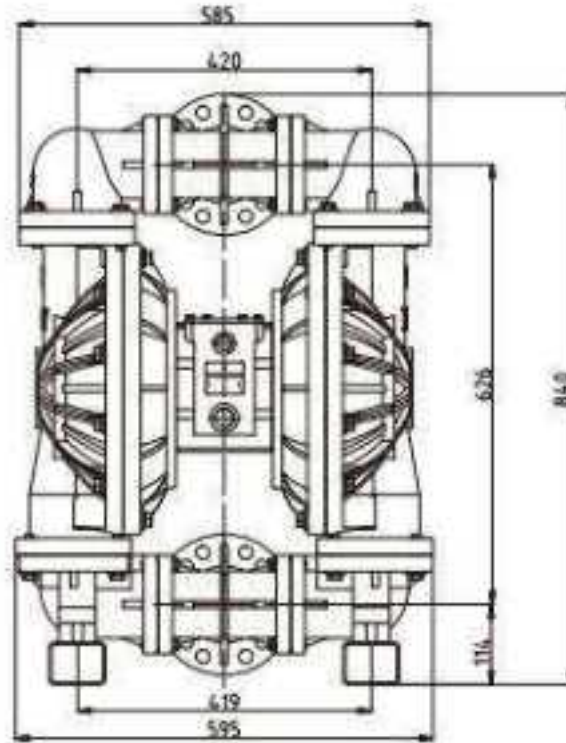
Model	GK50 Aluminum Diaphragm Pump
Max Working Pressure	120psi (0.84Mpa, 8.4bar)
Max Flow Rate	150gpm (570 lpm)
Max Reciprocating Speed	145cpm
Max Suction Height (Dry Sucking)	5m
Max Permitted Grain	0.24in. (6mm)
Max Air Consumption	140scfm (70L/s)
Air Inlet Size	1/2 in.
Air Outlet Size	3/4 in.
Fluid Inlet Size	2 in.
Fluid Outlet Size	2 in.
Weight	Aluminum pump 43.5kg



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GK 3" ALUMINUM Diaphragm Pump

Model	GK80 New Aluminum Diaphragm Pump
Max Working Pressure	120psi (0.84Mpa, 8.4bar)
Max Flow Rate	270 gpm (1022 lpm)
Max Reciprocating Speed	135cpm
Max. Suction Height (Dry Sucking)	5m
Max Permitted Grain	0.37in. (9.4mm)
Max. Air Consumption	180 scfm (90L/s)
Air Inlet Size	3/4 in.
Air Outlet Size	1 in.
Fluid Inlet Size	3 in.
Fluid Outlet Size	3 in.
Weight	Aluminum pump 77.0kg



05

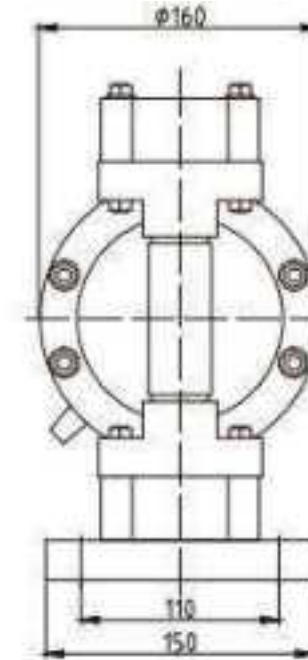
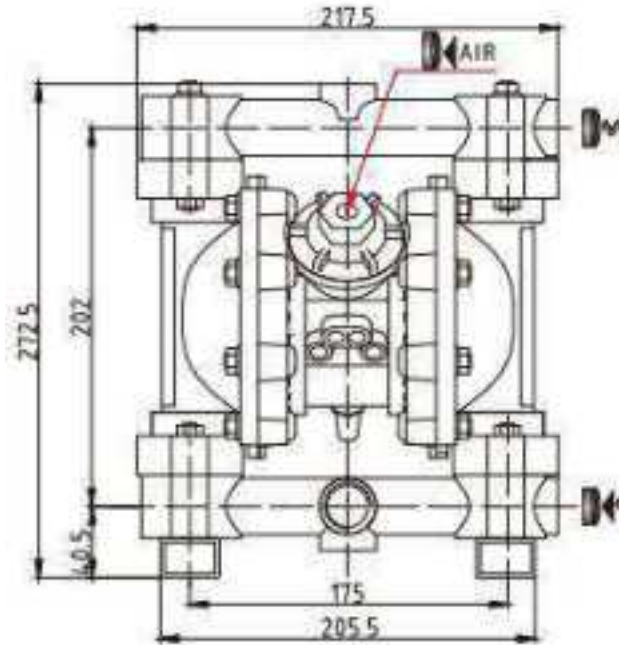
Stainless Steel

304/316/316L

Product Series

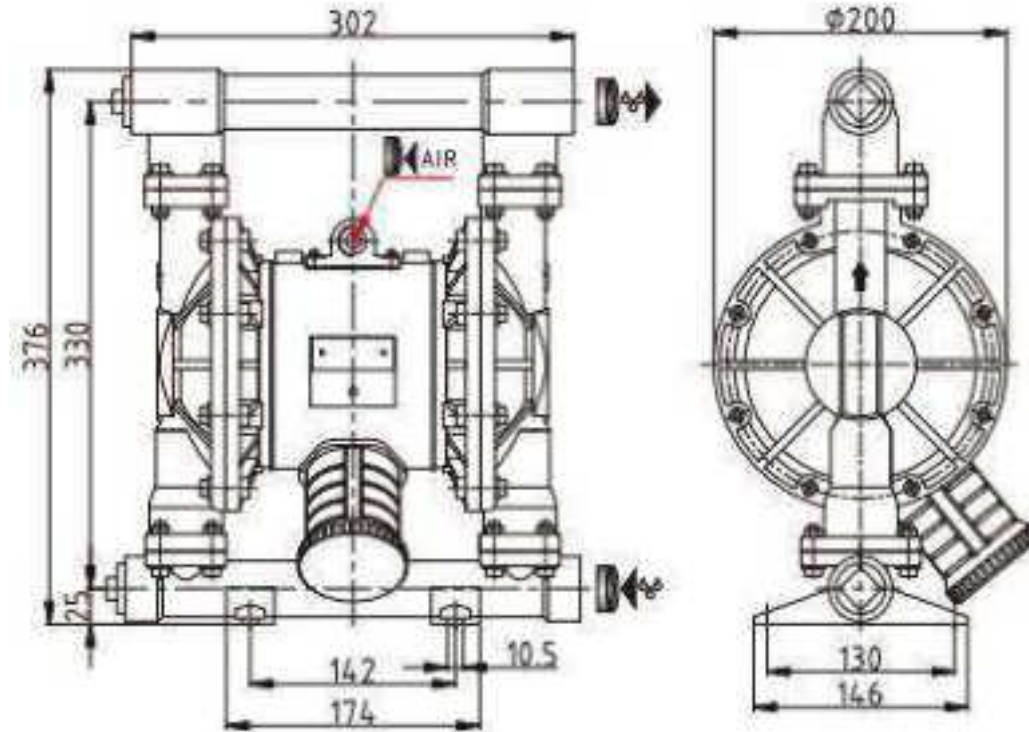
GK 1/2" STAINLESS STEEL Diaphragm Pump

Model	GK15 Stainless Steel Diaphragm Pump
Max Working Pressure	100psi (0.7Mpa, 7bar)
Max Flow Rate	15 gpm (57 lpm)
Max Reciprocating Speed	400cpm
Max. Suction Height(Dry Sucking)	4.5m
Max Permitted Grain	3/32 in. (2.5mm)
Max Air Consumption	20scfm (10L/s)
Air Inlet Size	1/4 in.
Air Outlet Size	3/8 in.
Fluid Inlet Size	1/2, 3/4 in.
Fluid Outlet Size	1/2, 3/4 in.
Weight	Stainless steel pump 8.9kg



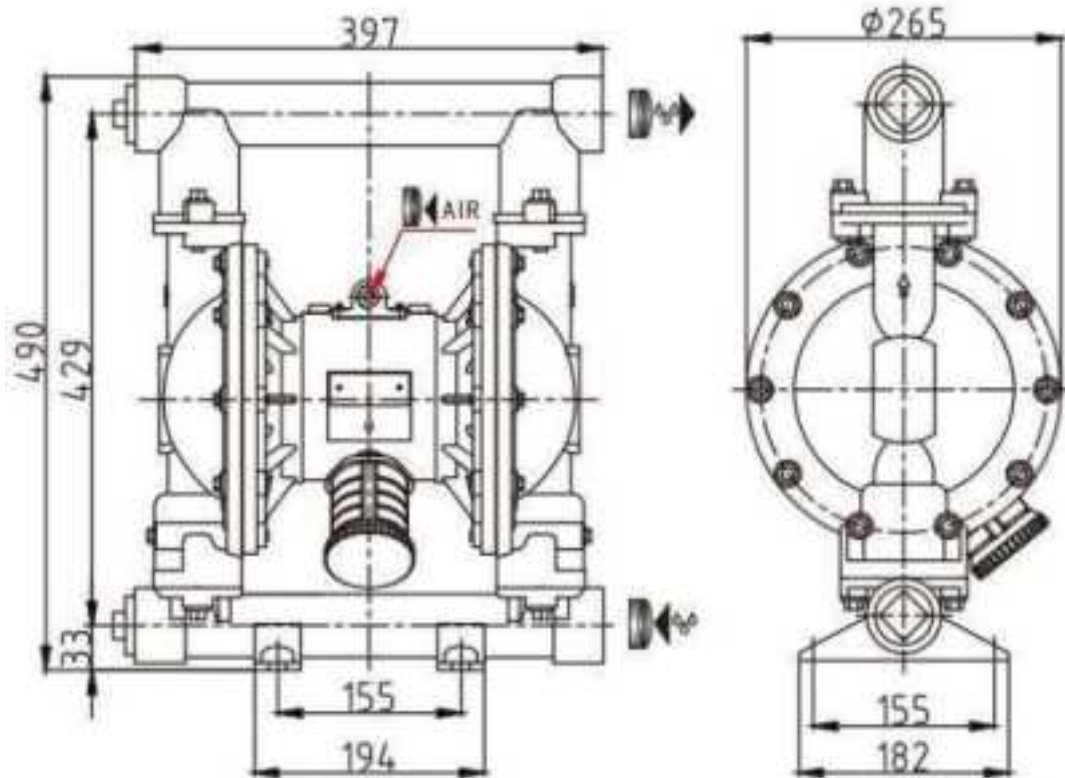
GK 1" STAINLESS STEEL Diaphragm Pump

Model	GK25 Stainless Steel Diaphragm Pump
Max. Working Pressure	120psi (0.84Mpa, 8.4bar)
Max. Flow Rate	40 gpm (150 lpm)
Max. Reciprocating Speed	276cpm
Max. Suction Height(Dry Sucking)	5m
Max. Permitted Grain	0.16in. (4mm)
Max. Air Consumption	45scm (22.5L/s)
Air Inlet Size	1/2in.
Air Outlet Size	3/4 in.
Fluid Inlet Size	1 in.
Fluid Outlet Size	1 in.
Weight	Stainless steel pump 15.7kg / Full Stainless steel pump 21kg



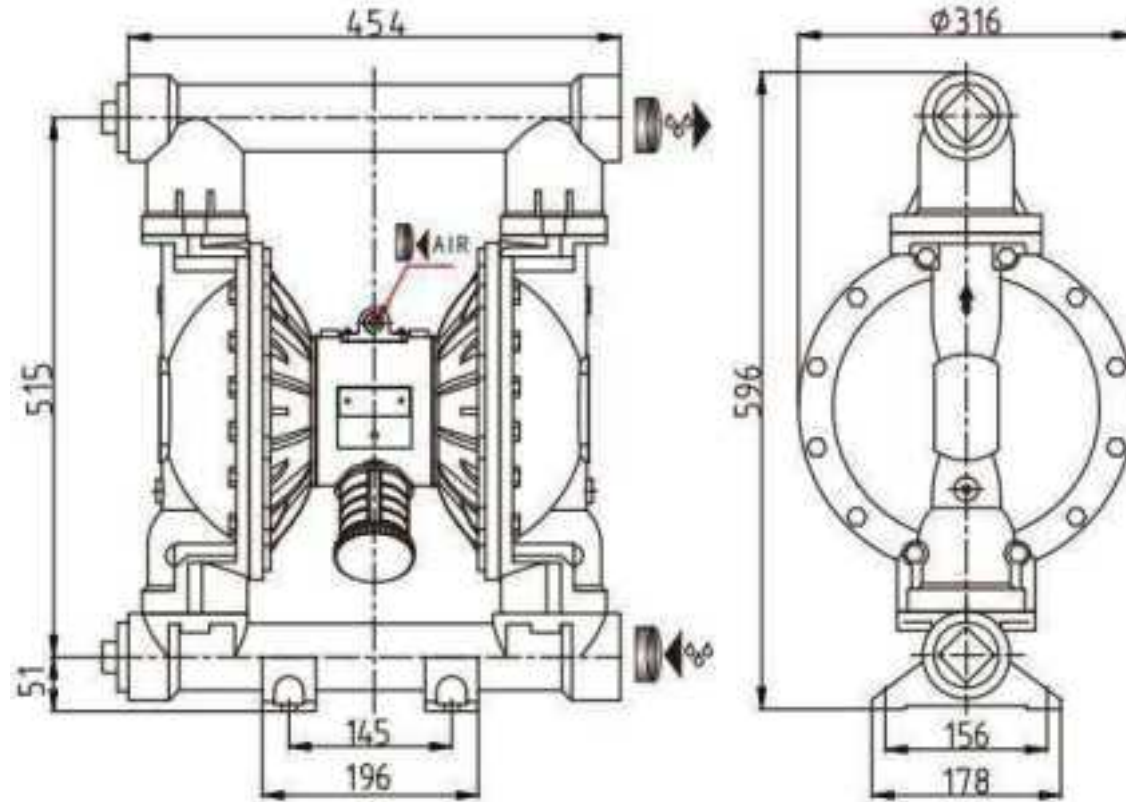
GK 1 1/2" STAINLESS STEEL Diaphragm Pump

Model	GK40 Full Stainless Steel Diaphragm Pump
Max. Working Pressure	120psi (0.84Mpa, 8.4bar)
Max Flow Rate	90 gpm (340 lpm)
Max Reciprocating Speed	200cpm
Max. Suction Height (Dry Sucking)	5m
Max Permitted Grain	0.2in. (5mm)
Max. Air Consumption	80scfm (40L/s)
Air Inlet Size	1/2 in.
Air Outlet Size	3/4 in.
Fluid Inlet Size	1-1/2 in.
Fluid Outlet Size	1-1/2 in.
Weight	Full Stainless steel pump 41kg / Stainless steel pump 30.7kg



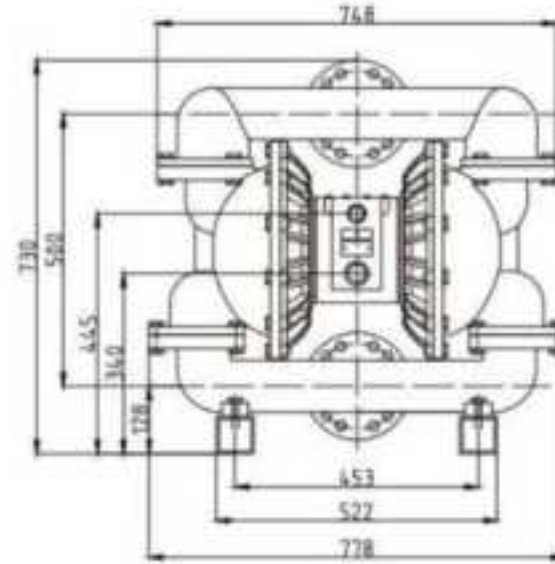
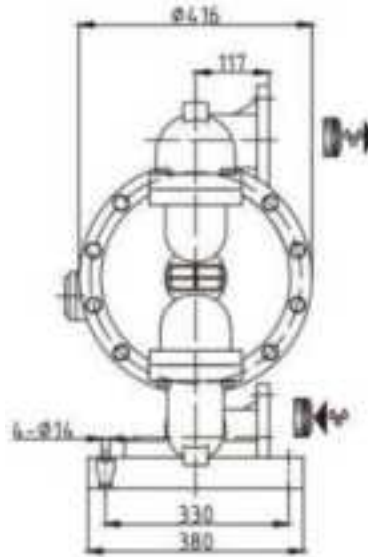
GK 2" STAINLESS STEEL Diaphragm Pump

Model	GK50 Stainless Steel Diaphragm Pump
Max Working Pressure	120psi (0.84Mpa, 8.4bar)
Max Flow Rate	150 gpm (570 lpm)
Max Reciprocating Speed	145cpm
Max. Suction Height(Dry Sucking)	5m
Max Permitted Grain	0.24in. (6mm)
Max Air Consumption	140scfm (70L/s)
Air Inlet Size	1/2 in.
Air Outlet Size	3/4 in.
Fluid Inlet Size	2in.
Fluid Outlet Size	2in.
Weight	Stainless steel pump 48kg / Full Stainless steel pump 58kg



GK 3" STAINLESS STEEL Diaphragm Pump

Model	GK80 Stainless Steel Diaphragm Pump
Max Working Pressure	120psi (0.84Mpa, 8.4bar)
Max Flow Rate	270 gpm (1022 lpm)
Max Reciprocating Speed	135cpm
Max. Suction Height(Dry Sucking)	5m
Max Permitted Grain	0.37in. (9.4mm)
Max.Air Consumption	180scfm (901/s)
Air Inlet Size	3/4 in.
Air Outlet Size	1 in.
Fluid Inlet Size	3 in.
Fluid Outlet Size	3in.
Weight	Stainless steel pump 122kg

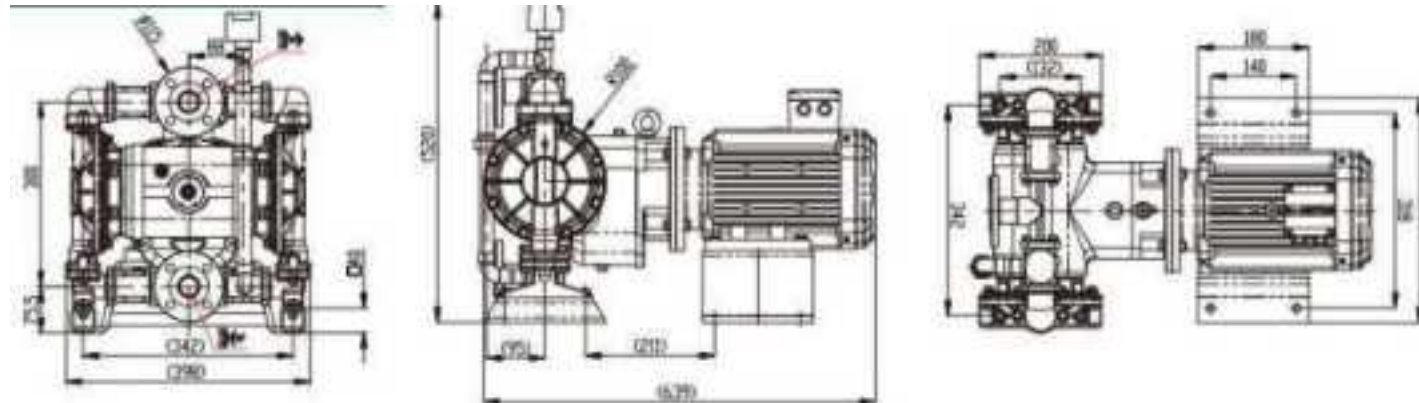


06

Electric Diaphragm Pumps
Product Series

GKE 1" ALUMINUM ELECTRIC Diaphragm Pump

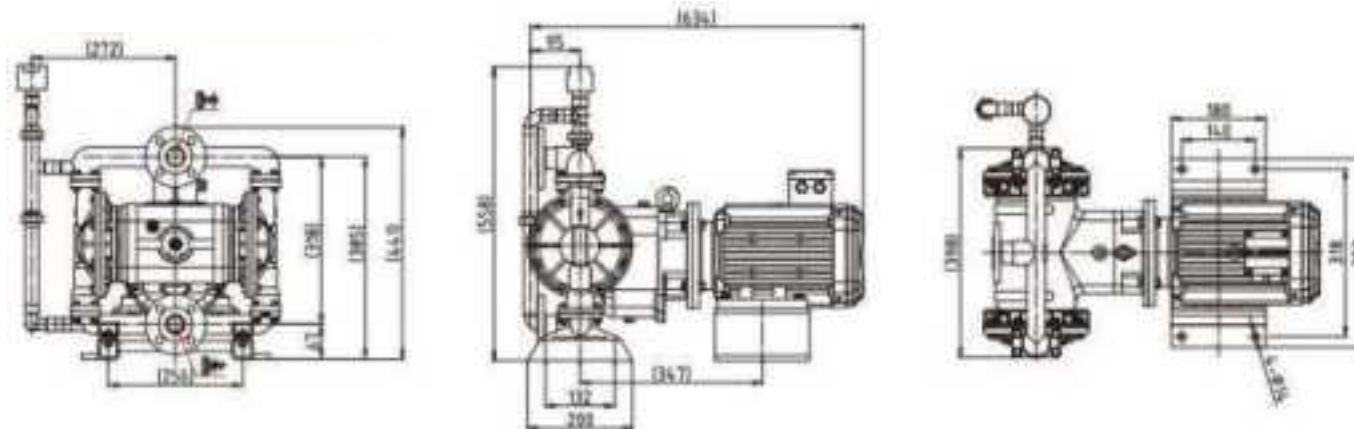
Model	GKE25 Aluminum Electric Diaphragm Pump
Max.Outlet Pressure	0.6Mpa
Max.Flow Rate	3.5m3 /h
Suction Lift (Dry)	3m
Motor Power	1.5KW in standard (senior 2.2KW as options)
Motor Speed	1450r/min
Inlet&Outlet :	1" inch Thread or Flange



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GKE 1" STAINLESS STEEL ELECTRIC Diaphragm Pump

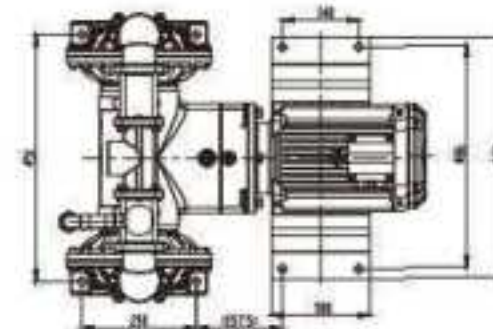
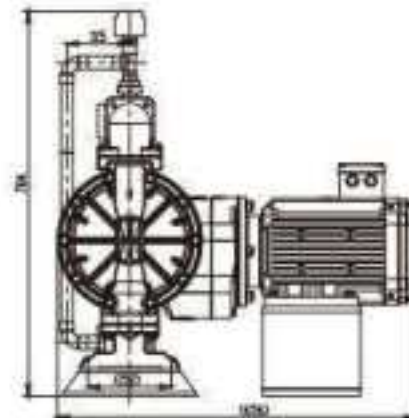
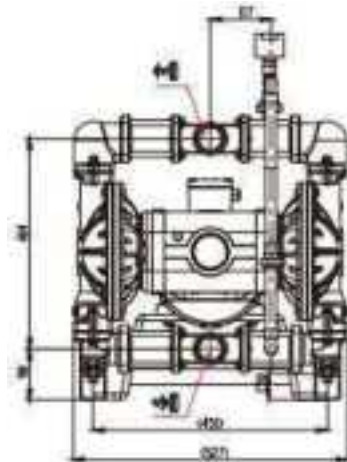
Model	GKE25 Stainless Steel Electric Diaphragm Pump
Max.Outlet Pressure	0.6Mpa
Max.Flow Rate	3.5m ³ /h
Suction Lift (Dry)	3m
Motor Power	1.5KW in standard (senior 2.2KW as options)
Motor Speed	1450r/min
Inlet&Outlet :	1" inch Thread or Flange



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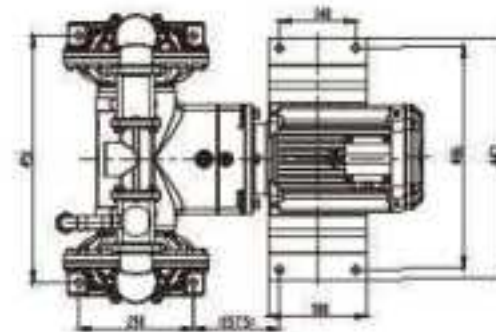
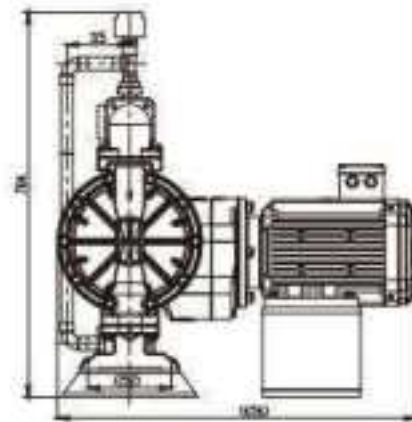
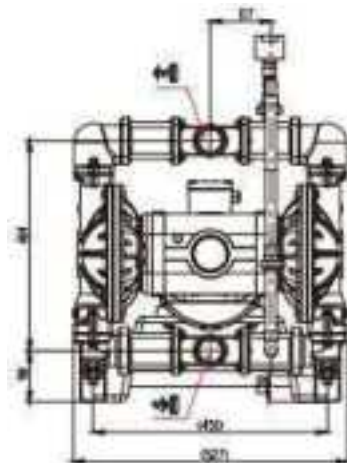
GKE 1 1/2" ALUMINUM ELECTRIC Diaphragm Pump

Model	GKE40 Aluminum Electric Diaphragm Pump
Max.Outlet Pressure	0.6Mpa
Max.Flow Rate	6m ³ /h
Suction Lift (Dry)	3m
Motor Power	2.2KW in standard (senior 3KW as options)
Motor Speed	1450r/min
Inlet&Outlet :	1 1/2" inch Thread or Flange



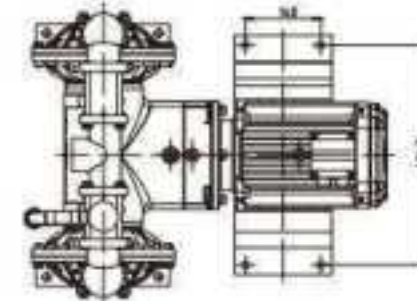
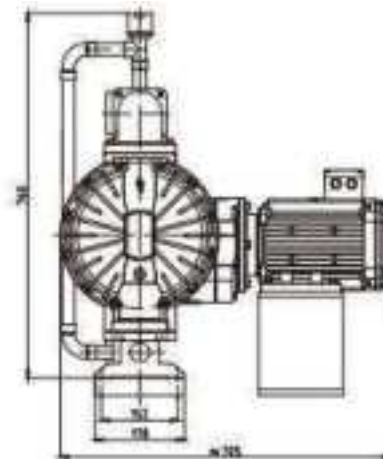
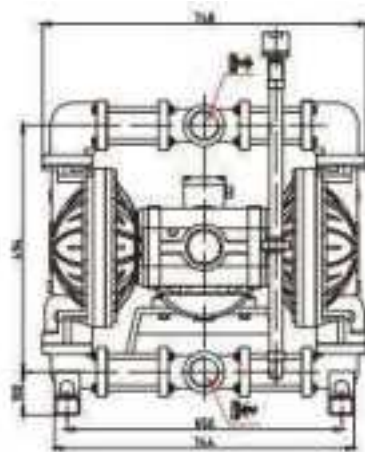
GKE 1 1/2" STAINLESS STEEL ELECTRIC Diaphragm Pump

Model	GKE40 Stainless Steel Electric Diaphragm Pump
Max.Outlet Pressure	0.6Mpa
Max.Flow Rate	6m ³ /h
Suction Lift (Dry)	3m
Motor Power	2.2KW in standard (senior 3KW as options)
Motor Speed	1450r/min
Inlet&Outlet :	1 1/2" inch Thread or Flange



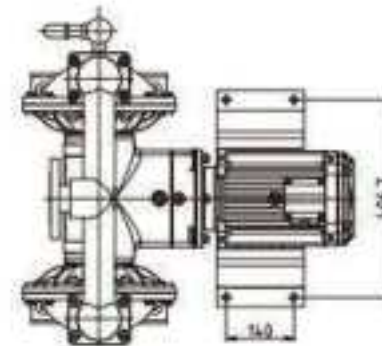
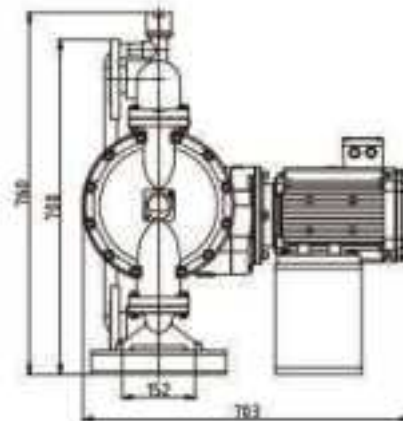
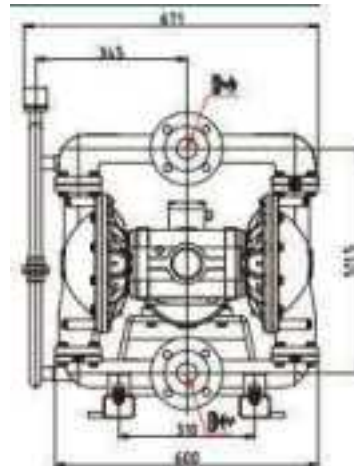
GKE 2" ALUMINUM ELECTRIC Diaphragm Pump

Model	GKE50 Aluminum Electric Diaphragm Pump
Max.Outlet Pressure	0.6Mpa
Max.Flow Rate	10.5m/h
Suction Lift (Dry)	3m
Motor Power	3KW in standard (senior 4KW as options)
Motor Speed	1450r/min
Inlet&Outlet :	2" inch Thread or Flange



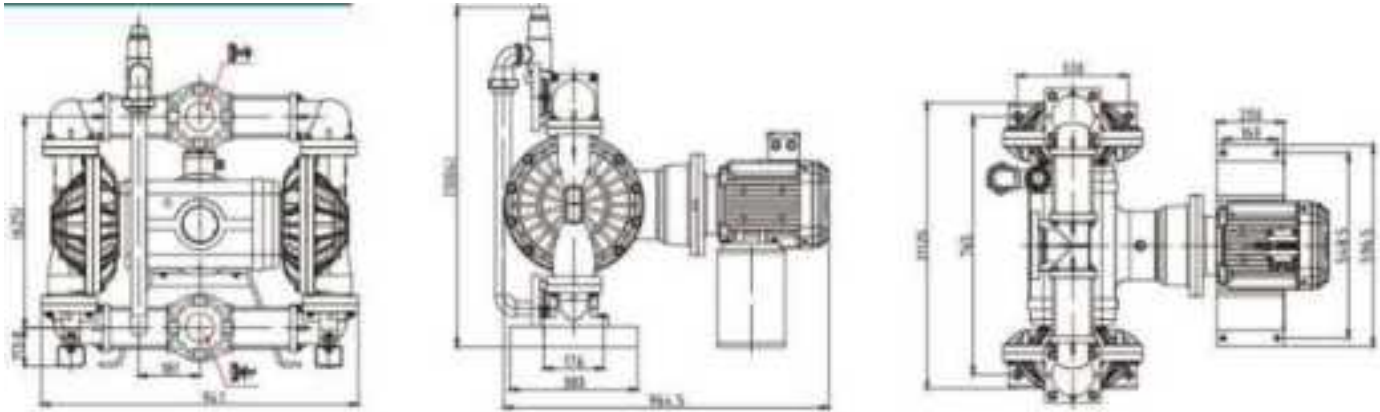
GKE 2" STAINLESS STEEL ELECTRIC Diaphragm Pump

Model	GKE50 Stainless Steel Electric Diaphragm Pump
Max.Outlet Pressure	0.6Mpa
Max.Flow Rate	10.5m ³ /h
Suction Lift (Dry)	3m
Motor Power	3KW in standard (senior 4KW as options)
Motor Speed	1450r/min
Inlet&Outlet :	2" inch Thread or Flange



GKE 3" ALUMINUM ELECTRIC Diaphragm Pump

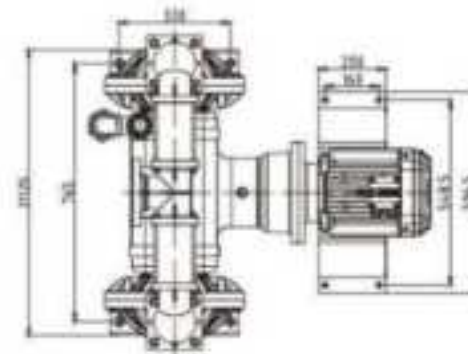
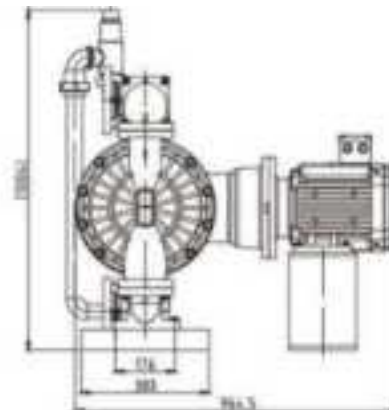
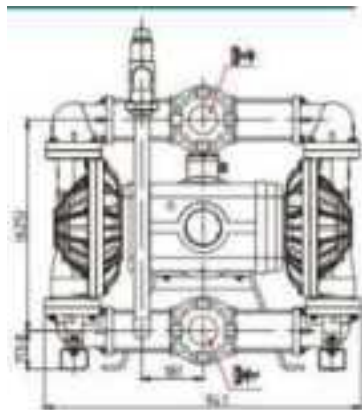
Model	GKE80 Aluminum Electric Diaphragm Pump
Max.Outlet Pressure	0.7Mpa
Max.Flow Rate	22 m3/h
Suction Lift (Dry)	3m
Motor Power	5.5KW in standard (senior 7.5KW as options)
Motor Speed	1450r/min
Inlet&Outlet :	3" inch Flange



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GKE 3" STAINLESS STEEL ELECTRIC Diaphragm Pump

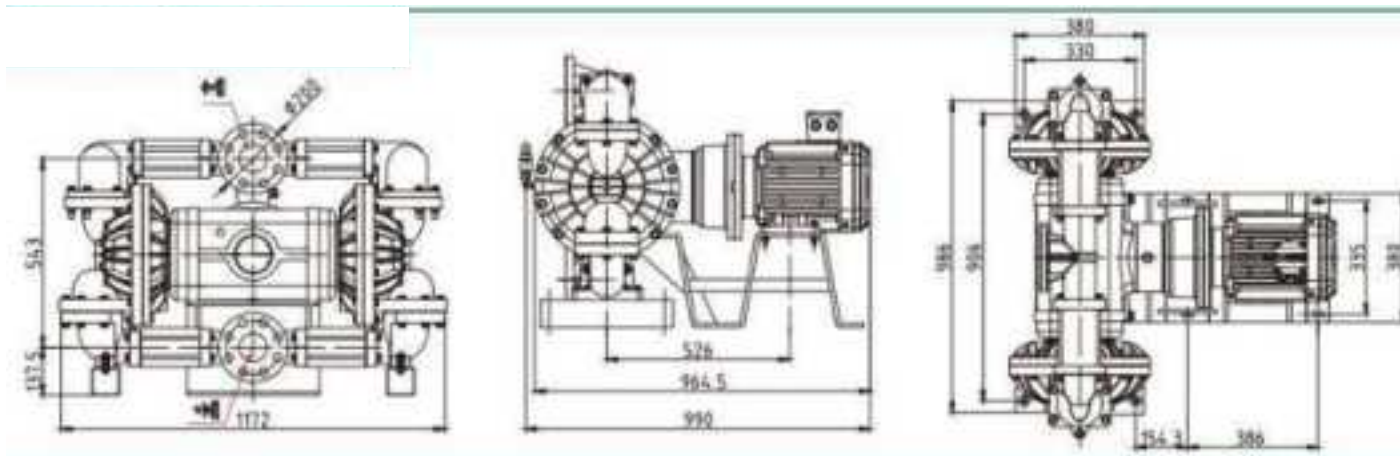
Model	GKE80 Stainless Steel Electric Diaphragm Pump
Max.Outlet Pressure	0.7Mpa
Max.Flow Rate	22 m3/h
Suction Lift (Dry)	3m
Motor Power	5.5KW in standard (senior 7.5KW as options)
Motor Speed	1450r/min
Inlet&Outlet :	3" inch Flange



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GKE 3" PP ELECTRIC Diaphragm Pump

Model	GKE80 Polypropylene Electric Diaphragm Pump
Max.Outlet Pressure	0.7Mpa
Max.Flow Rate	22 m3/h
Suction Lift	3m
Motor Power	5.5KW in standard (senior 7.5KW as options)
Motor Speed	1450r/min
Inlet&Outlet :	3" inch Flange

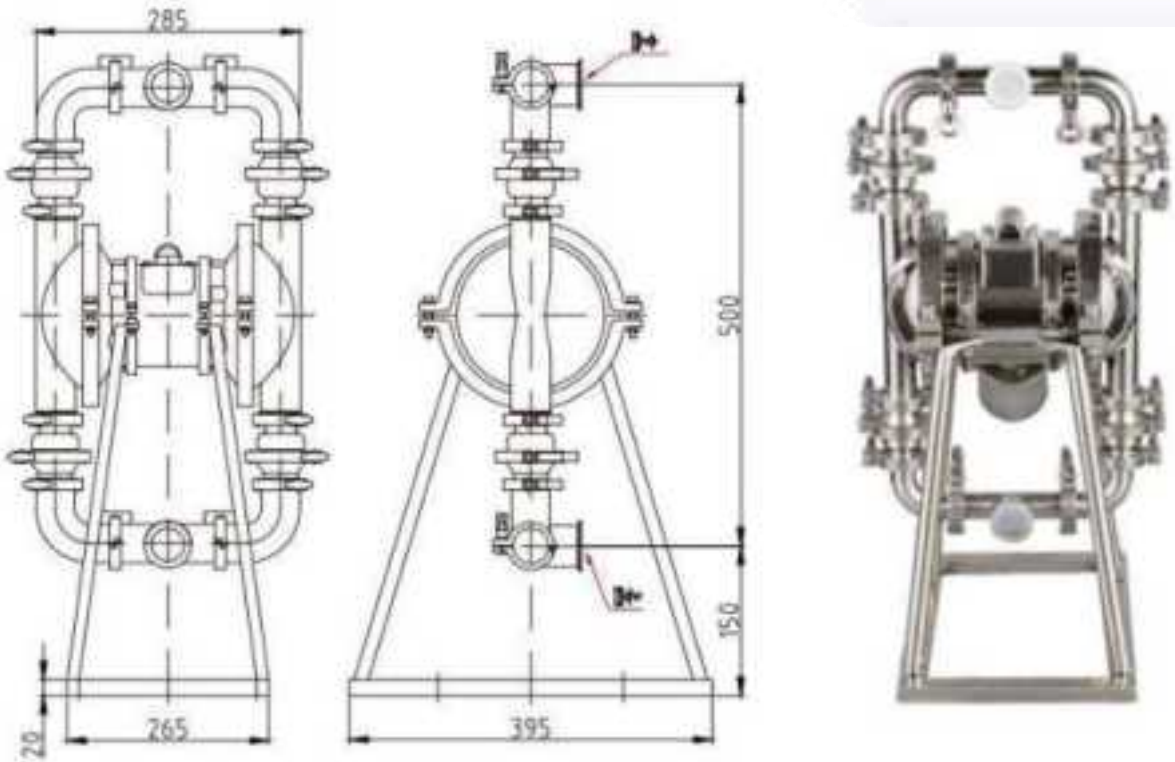


07

Sanitary Pneumatic Diaphragm Pumps Product Series

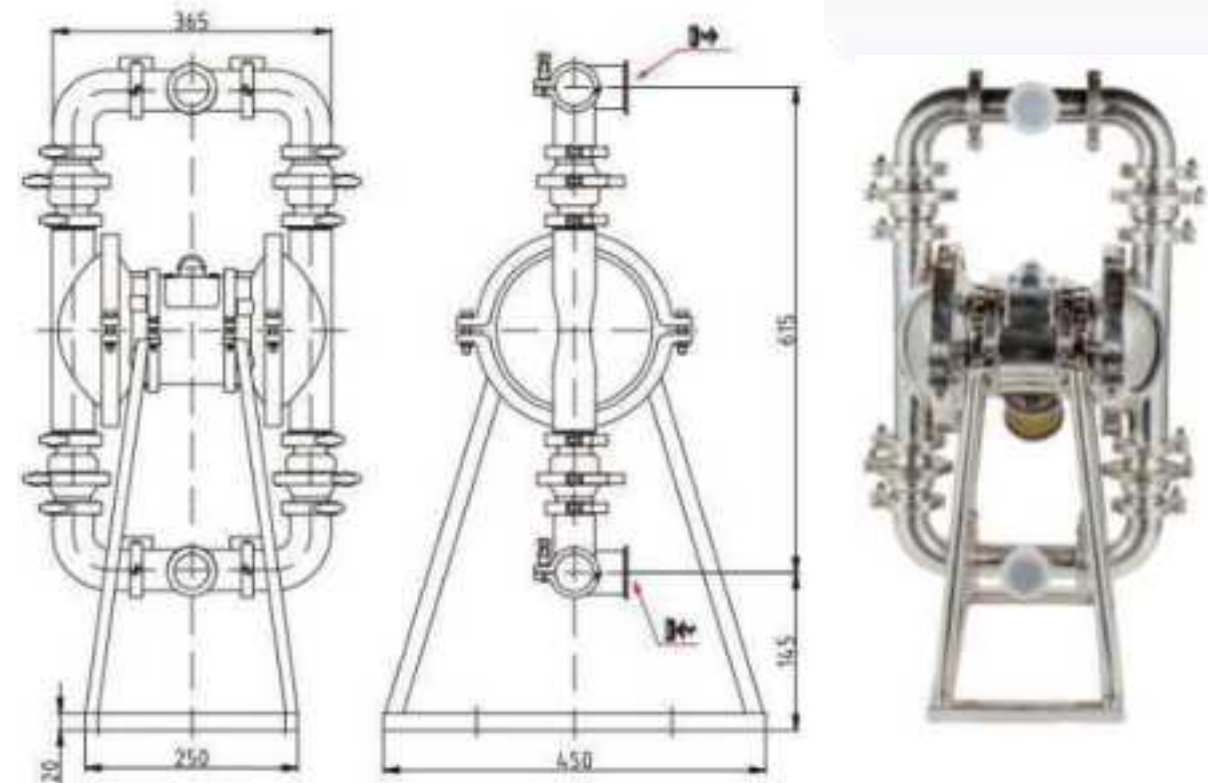
GK-FDA 1" Sanitary Pneumatic Diaphragm Pump

Model	GK-FDA25 Sanitary Pneumatic Diaphragm Pump
Max. Working Pressure	72Psi (0.5Mpa, 5bar)
Max.Flow Rate	32gpm (120 Lpm)
Max.Reciprocating Speed	276Cpm
Max. Suction Height (Dry Sucking)	5m
Max.Permitted Grain	4mm
Max.Air Consumption	18L/s
Weight	Stainless Steel 34kg



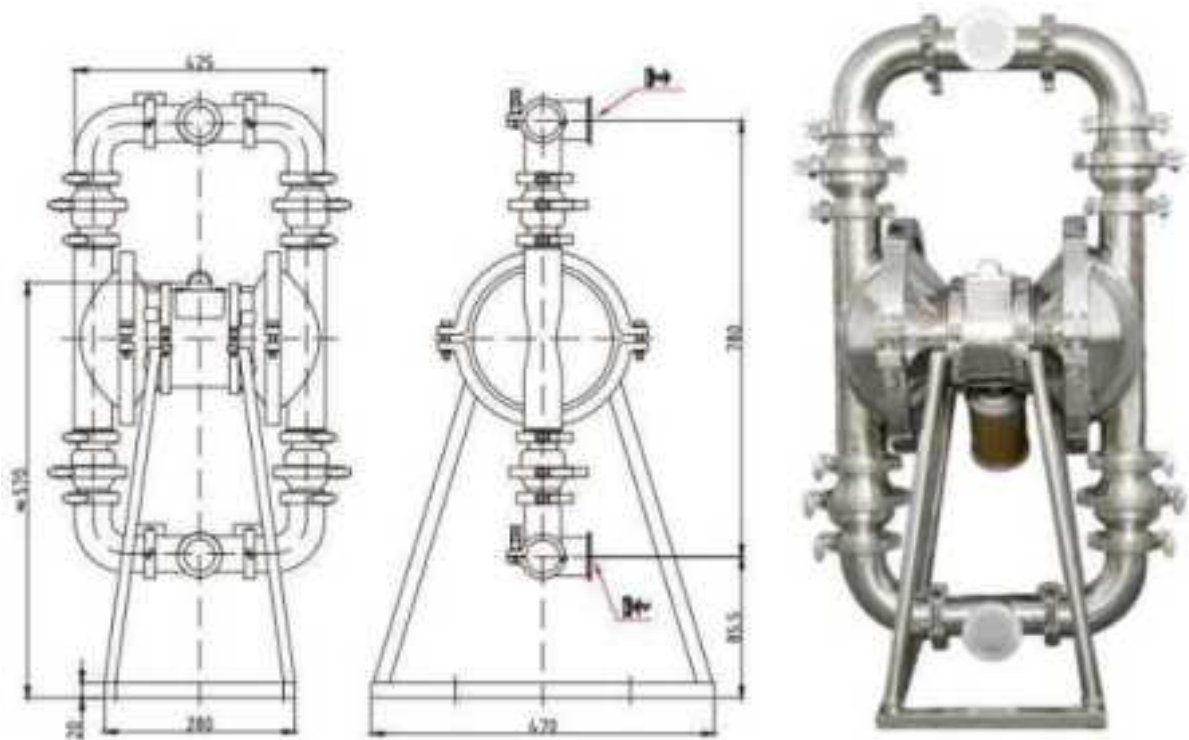
GK-FDA 1 1/2" Sanitary Pneumatic Diaphragm Pump

Model	GK-FDA40 Sanitary Pneumatic Diaphragm Pump
Max. Working Pressure	72Psi (0.5Mpa, 5bar)
Max.Flow Rate	92gpm (350 Lpm)
Max.Reciprocating Speed	200Cpm
Max. Suction Height (Dry Sucking)	5m
Max.Permitted Grain	5mm
Max.Air Consumption	28L/s
Weight	Stainless Steel 45kg



GK-FDA 2" Sanitary Pneumatic Diaphragm Pump

Model	GK-FDA50 Sanitary Pneumatic Diaphragm Pump
Max. Working Pressure	72Psi (0.5Mpa, 5bar)
Max.Flow Rate	120gpm (455 Lpm)
Max.Reciprocating Speed	135Cpm
Max. Suction Height (Dry Sucking)	5m
Max.Permitted Grain	6mm
Max.Air Consumption	40L/s
Weight	Stainless Steel 63kg

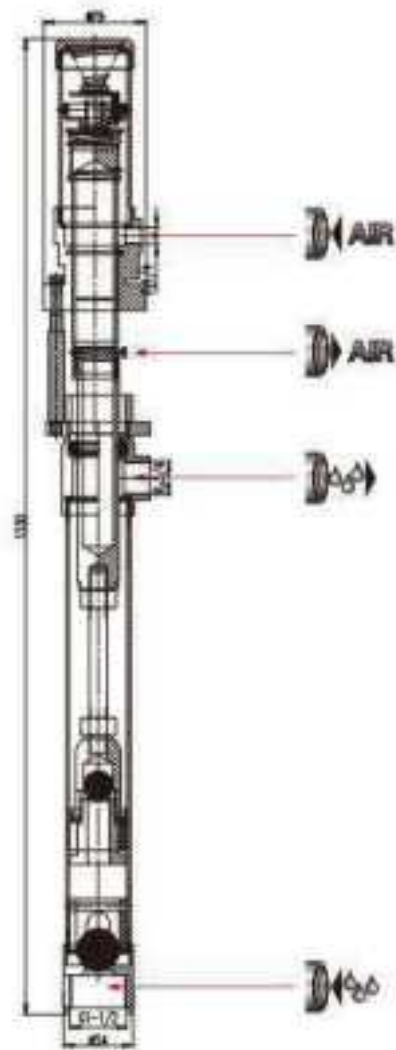


08

Piston Pumps Product Series

GK1.25:1 Piston Pump

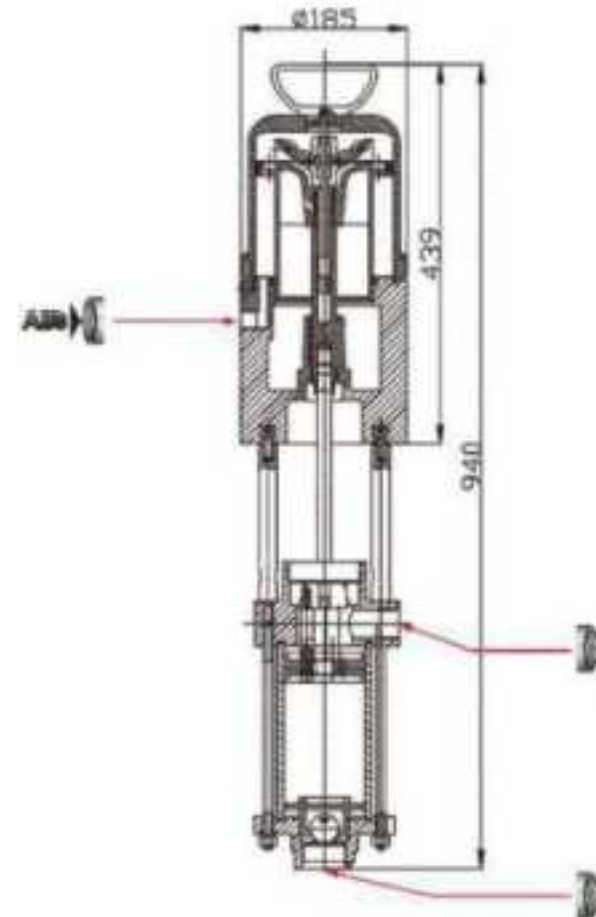
Model	GK1.25:1 Pneumatic Piston Pump
Max.Working Pressure	174psi (1.2Mpa, 12bar)
Max.Flow Rate	6 gpm (22.8 lpm)
Max.Suction Lift	5m
Max.Particle Allowed	2.5mm
Fluid Outlet Size	3/4 in
Fluid Inlet Size	1-1/2 in
Max.Air Consumption	34scfm (17L/s)
Air Inlet Size	1/4 in
Connection Type	Female Thread
Body Material	304/316 (SS304/SS316)
Ratio	1.25:1



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GK2:1 Piston Pump

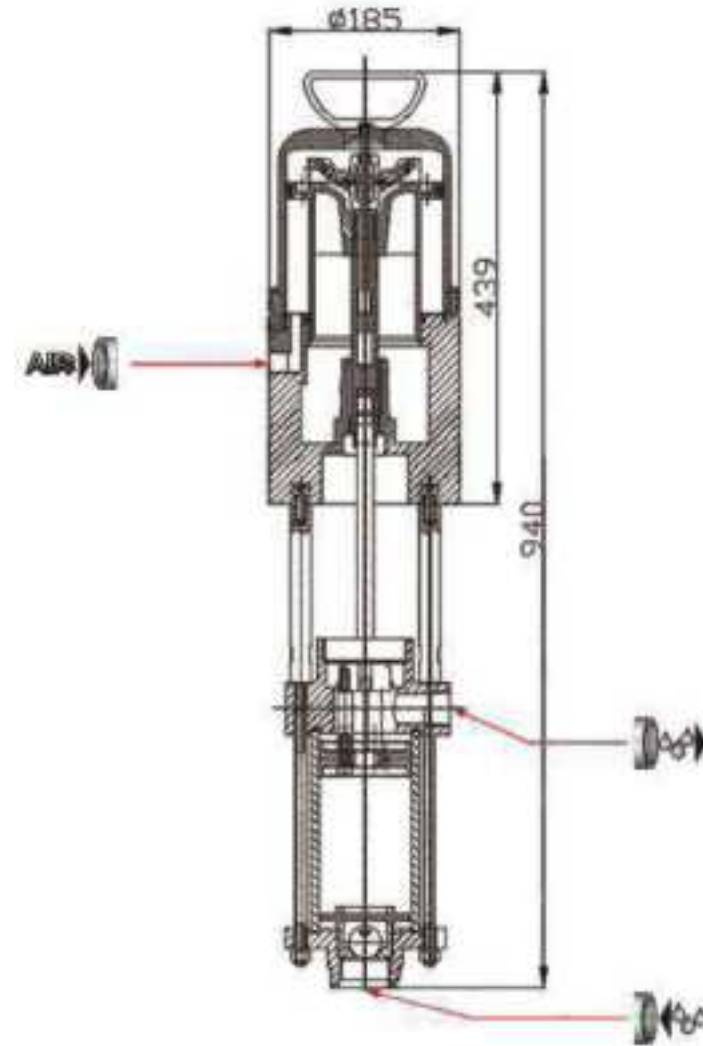
Model	GK2:1 Pneumatic Piston Pump
Max.Working Pressure	290psi (2.0Mpa, 20bar)
Max.Flow Rate	36gpm (75 lpm)
Max.Suction Lift	6m
Max.Particle Allowed	3.0mm
Fluid Outlet Size	1 in.
Fluid Inlet Size	1-1/2 in.
Max. Air Consumption	34scfm (17L/s)
Air Inlet Size	1/2 in.
Connection Type	Female Thread
Body Material	304/316 (SS304/SS316)
Ratio	2:1



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GK3:1 Piston Pump

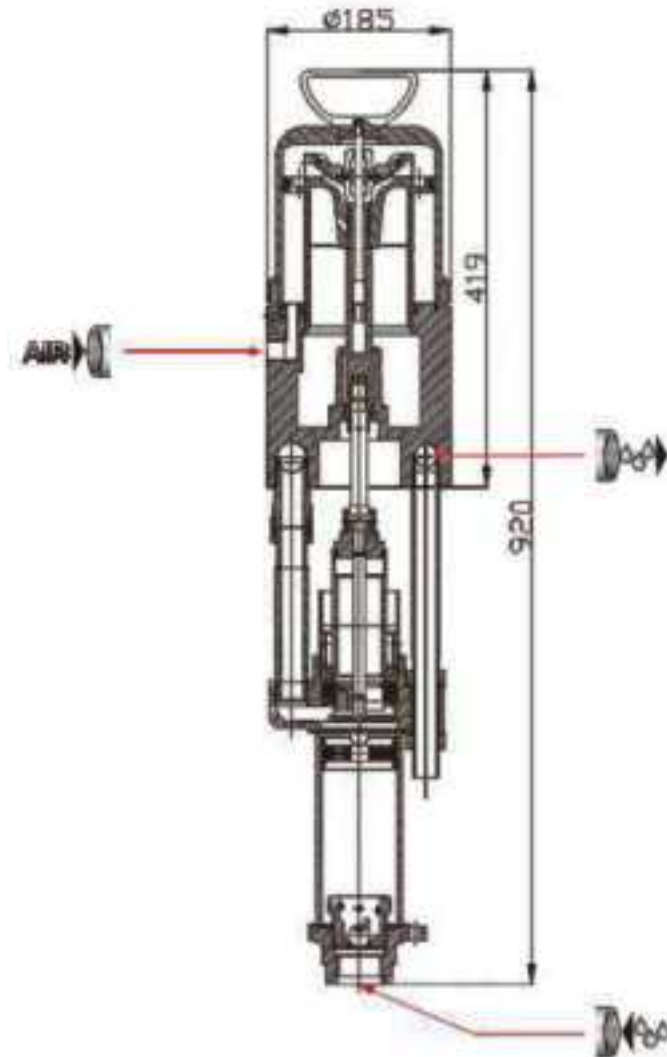
Model	GK3:1 Pneumatic Piston Pump
Max.Working Pressure	435psi (3.0Mpa, 30bar)
Max.Flow Rate	24gpm (53 lpm)
Max.Suction Lift	6m
Max.Particle Allowed	3.0mm
Fluid Outlet Size	1 in.
Fluid Inlet Size	1-1/2 in.
Max. Air Consumption	34scfm (17L/s)
Air Inlet Size	1/2 in.
Connection Type	Female Thread
Body Material	304/316 (SS304/SS316)
Ratio	3:1



GIN KAI TECHNOLOGY (SHANGHAI) CO.,LTD

GK4:1 Piston Pump

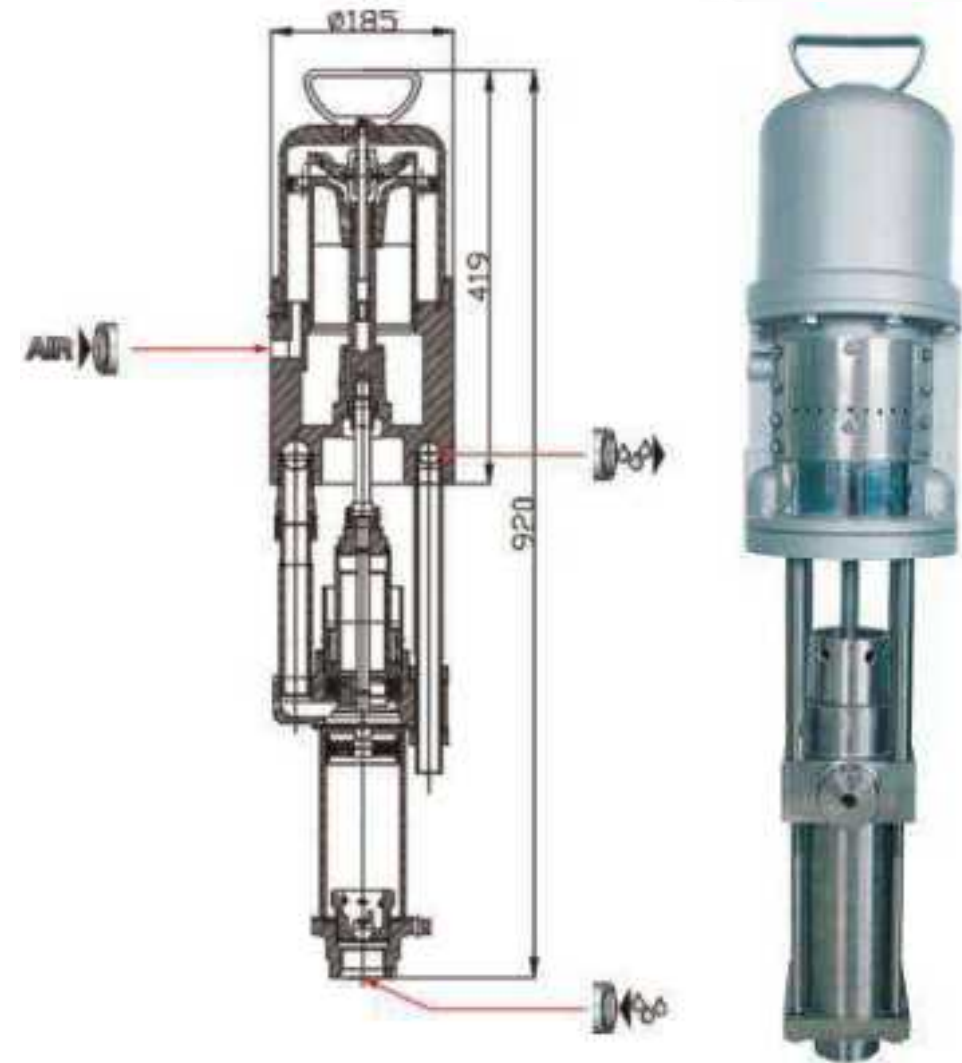
Model	GK4:1 Pneumatic Piston Pump
Max.Working Pressure	580psi (4.0Mpa, 40bar)
Max.Flow Rate	18gpm (38 lpm)
Max.Suction Lift	6m
Max.Particle Allowed	3.0mm
Fluid Outlet Size	1 in.
Fluid Inlet Size	1-1/2 in.
Max. Air Consumption	34scfm (17L/s)
Air Inlet Size	1/2 in.
Connection Type	Female Thread
Body Material	304/316 (SS304/SS316)
Ratio	4:1



GIN KAI TECHNOLOGY (SHANGHAI) CO.,LTD

GK5:1 Piston Pump

Model	GK5:1 Pneumatic Piston Pump
Max. Working Pressure	725psi (5.0Mpa, 50bar)
Max.Flow Rate	14.4 gpm (15 lpm)
Max.Suction Lift	6m
Max.Particle Allowed	3.0mm
Fluid Outlet Size	1 in.
Fluid Inlet Size	1-1/2 in.
Max.Air Consumption	34scfm (17L/s)
Air Inlet Size	1/2 in.
Connection Type	Female Thread
Body Material	304/316 (SS304/SS316)
Ratio	5:1



09

Metering Pumps / Dosing Pumps

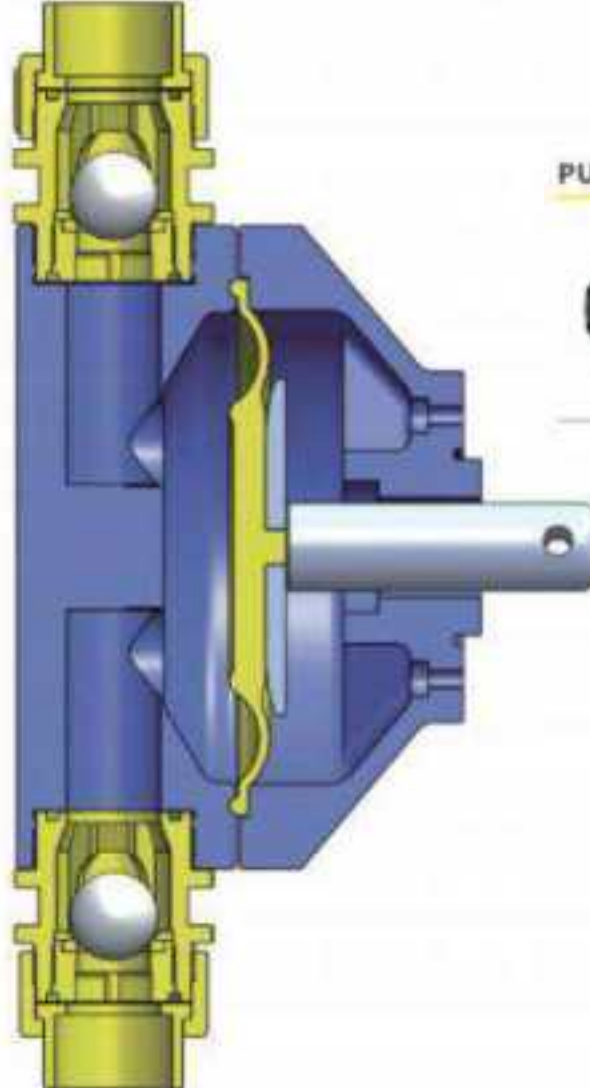
MECHANICAL DIAPHRAGM METERING PUMP

DEFINITION

The diaphragm type metering pump uses a diaphragm to replace the piston, realizes reciprocating motion under the action of the driving mechanism, and completes the pump for the suction and discharge processes.

FEATURES

- No moving seal, no leakage.
- It can transport high viscosity media, abrasive pastes and hazardous chemicals.
- Cast aluminum housing, high heat dissipation and light overall weight.
- The diaphragm is pressed into a multi-layer composite structure, the first layer of super tough Teflon acid-resistant film, the second layer of EPDM elastic rubber, the third layer of thickness 3mm SUS304 supporting iron core, the fourth layer is reinforced with nylon fiber reinforcement, the fifth layer it is fully packaged with EPDM elastic rubber, which can effectively improve the service life of the diaphragm.
- The pressure is generally less than 1.2Mpa.



PUMP HEAD CONFIGURATION ACCORDING TO DIFFERENT APPLICATIONS



PVC



SS304/316



PVDF/PTFE

SOLENOID METERING PUMP:JLM

PARAMETER
TABLE

Model	Flow (LPH)	pressure (BAR)	Flow (GPH)	pressure (PSI)	SN	Diameter (mm)	Power (W)	Connection
JLM0110	1.0	10	0.26	145	80	34	30	3/4"out PE hose
JLM0210	2.0	10	0.52	145	140			
JLM0308	3.0	8.0	1.0	116	180			
JLM0005	5.0	5.0	1.3	73	140	41		
JLM0804	8.0	4.0	2.1	58	170			
JLM1003	10	3.0	2.6	44	130	52		
JLM1203	12	3.0	3.1	44	150			
JLM1502	15	2.0	3.9	29	160			
JLM2001	20	1.0	5.2	15	180			



MATERIAL CONSTRUCTION

Material	PVC	PVDF	SS304	SS316
Diaphragm	PTFE	PTFE	PTFE	PTFE
Valve Body	PVC	PVDF	SS304	SS316
Valve Ball	Ceramic	Ceramic	Ceramic	Ceramic
Valve Seat	PTFE	PTFE	SS304	SS316
O Ring	Viton	Viton	PTFE	PTFE

PRODUCT CHARACTERISTICS

- Wear-free solenoid driving with no bearing.
- Adjustment both by stroke length and stroke speed.
- Intelligent LED display the stroke speed in percentage.
- **Power:** 110/ 220V 50~60Hz.
- **Material:** PVC; PVDF; SS304; SS316

SOLENOID METERING PUMP:JLM-P

PARAMETER
TABLE

Model	Flow (LPH)	pressure (BAR)	Flow (GPD)	pressure (PSI)	GPM	Diaphragm (mm)	Power (W)	Connection
JLM-P0110	1.0	10	0.26	145	80	34	30	5/16in PE hose
JLM-P0210	2.0	10	0.52	145	140			
JLM-P0408	4.0	8.0	1.0	116	180			
JLM-P0505	5.0	5.0	1.3	73	140	41		
JLM-P0804	8.0	4.0	2.1	58	170			
JLM-P1003	10	3.0	2.6	44	130	52		
JLM-P1203	12	3.0	3.1	44	130			
JLM-P1502	15	2.0	3.9	29	160			
JLM-P2001	20	1.0	5.2	15	180			



PRODUCT CHARACTERISTICS

- Wear-free solenoid driving with no bearing.
- Adjustment both by stroke length and stroke speed.
- Intelligent LED display the stroke speed in percentage.
- **Power:** 110/ 220V 50~60Hz.
- **Material:** PVC; PVDF; SS304; SS316
- **Signal functions:** 4-20mA signal or impulse signal

MATERIAL CONSTRUCTION

Material	PVC	PVDF	SS304	SS316
Diaphragm	PTFE	PTFE	PTFE	PTFE
Valve Body	PVC	PVDF	SS304	SS316
Valve Ball	Ceramic	Ceramic	Ceramic	Ceramic
Valve Seat	PTFE	PTFE	SS304	SS316
O Ring	Viton	Viton	PTFE	PTFE

SOLENOID METERING PUMP:JLM-S

PARAMETER TABLE

Model	Flow (LPH)	pressure (BAR)	Flow (GPH)	pressure (PSI)	SPM	Diaphragm (mm)	Power (W)	Connection
JLM-S0110	1.0	10	0.26	145	80	34	30	3/4"San- PE hose
JLM-S0210	2.0	10	0.52	145	140			
JLM-S0408	4.0	8.0	1.0	116	180			
JLM-S0505	5.0	5.0	1.3	73	140	41		
JLM-S0804	8.0	4.0	2.1	58	170			
JLM-S1003	10	3.0	2.6	44	130	52		
JLM-S1203	12	3.0	3.1	44	150			
JLM-S1502	15	2.0	3.9	29	160			
JLM-S2001	20	1.0	5.2	15	180			



PRODUCT CHARACTERISTICS

- Flow manually controlled by stroke speed.
- Big LCD screen display instant flow and accumulated flow.
- **Power:** 110/ 220V 50~60Hz.
- **Material:** PVC; PVDF; SS304; SS316
- **Signal functions:** 4-20mA signal , impulse signal, RS485

MATERIAL CONSTRUCTION

Material	PVC	PVDF	SS304	SS316
Diaphragm	PTFE	PTFE	PTFE	PTFE
Valve Body	PVC	PVDF	SS304	SS316
Valve Ball	Ceramic	Ceramic	Ceramic	Ceramic
Valve Seat	PTFE	PTFE	SS304	SS316
O Ring	Viton	Viton	PTFE	PTFE

MECHANICAL DIAPHRAGM METERING PUMP:JBB

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Diaphragm (mm)	Power
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI		
JBB15/L0	15	3.9	100	4.7	18	120	10	145	60	60W
JBB25/L0	25	6.6		7.9	30		10	145		
JBB40/0.7	40	10		150	12		48	180		
JBB60/0.6	60	60	100	19	72	120	6	87	84	
JBB80/0.5	80	21		25	96		5	73		
JBB100/0.4	100	26	150	32	120	180	4	58		
JBB130/0.4	130	34		41	156		4	58		
JBB150/0.3	150	39		47	180		3	43		



MAIN PARAMETER

- **Flow range:** 15-150LPH@50Hz/18-180LPH@60Hz
- **Pressure range:** 4-10 Bar
- **Power:** 380V/220V @50Hz on standard, others on request.
DC12V or 24V is available
- **Material:** PVC; PVDF; SS304; SS316; PTFE

CONNECTION

Model	PVC	PVDF/PTFE	SS304/316
JBB15-JBB40	6*9 mm hose	RC1/2" F	10*16mm welding union
JBB60-JBB150	DN15 glue union	RC1/2" F	

10*14mm hose connection is also optional for JBB60-JBB150.

MECHANICAL DIAPHRAGM METERING PUMP:KD

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Diaphragm (mm)	Power	
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI			
KD15/0.8	15	3.9	48	4.7	18	58	8	116	60	180W	
KD30/0.8	20	5.2		6	24		8	116			
KD40/0.8	40	10.5	96	12	48	115	8	116			
KD60/0.6	60	15.7	48	18	72	58	6	87	95		
KD90/0.6	80	21	96	25	96	115	6	87			
KD120/0.5	120	31.5		37	144		5	73			
KD180/0.5	180	47.3	144	56	216	115	5	73			



MAIN PARAMETER

- **Flow range:** 15-180LPH@50Hz/18-216LPH@60Hz
- **Pressure range:** 5-8 Bar
- **Power:** 380V@50Hz on standard, others on request
- **Material:** PVC; PVDF; SS304; SS316; PTFE

CONNECTION

Model	PVC	PVDF/PTFE	SS304/316
KD15-KD40	6*9 mm PE hose	RC1/2" F	10*16mm welding union
KD60-KD180	DS15 glue union	RC1/2" F	

MECHANICAL DIAPHRAGM METERING PUMP:GM

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Diaphragm (mm)	Power
	Flow (LPH)	Flow (GPH)	SPM	Flow (LPH)	Flow (GPH)	SPM	BAR	PSI		
GM10/1.2	10	2.6	48	3.1	12	58	12	174	60	0.37KW
GM25/1.0	25	6.6		7.9	30		10	145		
GM50/1.0	50	13		16	60		10	145		
GM90/0.7	90	23	48	28	108	58	7	102	112	
GM120/0.7	120	32		38	144		7	102		
GM170/0.7	170	45		54	204		7	102		
GM240/0.5	240	63	96	76	288	115	5	73		
GM330/0.5	330	86		104	396		5	73		
GM400/0.5	400	105		126	480		5	73		
GM600/0.5	600	161	144	157	600	173	5	73		



MAIN PARAMETER

- **Flow range:** 10-500LPH@50Hz/12-600LPH@60Hz
- **Pressure range:** 5-12 Bar
- **Power:** 380V@50Hz on standard, others on request
- **Material:** PVC, PVDF, SS304, SS316, PTFE

CONNECTION

Model	PVC	PVDF/PTFE	SS304/316
GM10-GM25	6*9 mm PE hose	RC1/2" F	10*16mm welding union
GM50-GM120	DN15 glue union	RC1/2" F	10*16mm welding union
GM170-GM330	DN15 glue union	RC1/2" F	15*22mm welding union
GM400-GM600	DN15 glue union	RC3/4" F	15*22mm welding union

MECHANICAL DIAPHRAGM METERING PUMP:GB

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Diaphragm (mm)	Power
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI		
GB240/1.0	240	63	48	73	288	58	10	145	148	0.75KW
GB320/1.0	320	84		101	384		10	145		
GB500/1.0	500	131	96	157	600	115	10	145		
GB680/0.7	680	179		214	816		7	102		
GB760/0.5	760	200	144	240	912	173	5	73		
GB1000/0.4	1000	264		315	1200		4	58		
GB1200/0.4	1200	315	96	379	1440	115	4	58	185	1.1KW
GB1600/0.3	1600	421	144	505	1920	173	3	44		
GB1800/0.3	1800	476		571	2160		3	44		



MAIN PARAMETER

- **Flow range:** 240-1800LPH@50Hz/288-2160LPH@60Hz
- **Pressure range:** 3-10 Bar
- **Power:** 380V@50Hz on standard, others on request
- **Material:** PVC, PVDF, SS304, SS316, PTFE

CONNECTION

Model	PVC	PVDF	PTFE	SS304/316
GB240-GB1000	DN25 glue union	RC 1" F	DN25 PVC Flange	RC 1" F
GB1200-GB1800	DN40 glue union	RC 1.5" F	DN40 PVC Flange	RC 1.5" F

MECHANICAL DIAPHRAGM METERING PUMP:GB-S

PARAMETER TABLE

Model	50Hz			60Hz			pressure		Diaphragm (mm)	Power
	Flow (LPH)	Flow (GPH)	SPM	Flow (GPH)	Flow (LPH)	SPM	BAR	PSI		
GB-S1360/0.7	1360	357	96	429	1632	115	7	102	148	1.1KW
GB-S1500/0.5	1500	394	144	473	1800	173	5	73		
GB-S2000/0.4	2000	528		634	2400		4	58		
GB-S2400/0.4	2400	631	96	757	2880	115	4	58	185	
GB-S3200/0.3	3200	842	144	1010	3840	173	3	44		
GB-S3600/0.3	3600	951		1141	4320		3	44		



MAIN PARAMETER

- Flow range: 1360-3600LPH@50Hz/1632-4320LPH@60Hz
- Pressure range: 3-5 Bar
- Power: 380V@50Hz on standard, others on request
- Material: PVC; PVDF; SS304; SS316; PTFE

CONNECTION

Model	PVC	PVDF	PTFE	SS304/316
GB-S1360~2000	DN25 glue union	BC 1" F	DN25 PVC Flange	BC 1" F
GB-S2800~3600	DN40 glue union	BC 1.5" F	DN40 PVC Flange	BC 1.5" F

PLUNGER TYPE METERING PUMP

DEFINATION

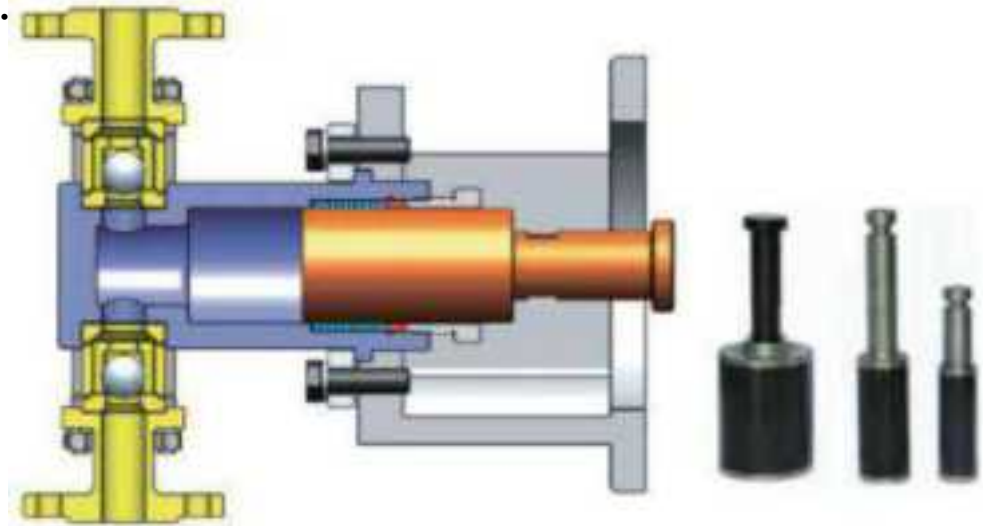
A pump that periodically changes the volume of the working chamber by the reciprocating straight line of the plunger.

MAIN FEATURES

- High pressure, up to 50Mpa
- High accuracy, the precision error within 1%
- For high viscosity, up to 2000cps
- Plunger made of ceramic or SS316 coated with ceramic
- Heat jacket or cooling jacket is available
- All model can be equipped with auto stroke controller

APPLICATIONS

Widely used in chemical, petroleum, metallurgy, electric power, medicine, food, plastic foam and other fields. It is especially popular in processes that deliver high viscosity, high pressure, and high temperatures.



MATERIAL OPTIONS

Wetted Parts: Standard material is SS304 or SS316, other materials on request

Gear Box: Casting

PLUNGER METERING PUMP:JPX

PARAMETER TABLE

Model	50Hz		60Hz		pressure (MPa)	Piston Size	Stroke Length (mm)	Motor Power (KW)	Connection	
	Flow Rate (L/H)	PUMP Speed (SPM)	Flow Rate (L/H)	Pump Speed (SPM)		Dia (mm)				
JPX1/40	1	96	1.2	115	40	6	10	0.37	DN6 union for welding	
JPX2/40	2		2.4		40	6	20			
JPX5/33	5		6		33	8				
JPX8/21	8		9.6		21	10				
JPX12/15	12		14		15	12				
JPX20/8	20		24		8	16			DN10 union for welding	
JPX33/5	33		40		5	20				
JPX32/3.3	32		62		3.3	25				
JPX65/2.6	65		78		2.6	28				
JPX88/2.1	88		106		2.1	32				
JPX105/1.7	105		126		1.7	35			DN15 union for welding	
JPX125/1.4	125		150		1.4	38				
JPX153/1.1	153	186	1.1	42	20	0.37				
JPX190/1.1	190	144	228	173				1.1		38
JPX230/1.0	230		276					1		42

Duplex or Triplex head is available.



MAIN PARAMETER

- Flow range: 1-230LPH@50Hz/1.2-276LPH@60Hz
- Pressure range: 1-400 Bar
- Power: **0.37kw** IEC71 4 pole Motor
- Material: S5304; S5316, others on request

PLUNGER METERING PUMP:2J-X

PARAMETER TABLE

Model	50Hz		60Hz		Pressure (MPa)	Piston Size	Stroke Length (mm)	Motor Power (KW)	Connection
	Flow Rate (L/H)	Pump Speed (SPM)	Flow Rate (L/H)	Pump Speed (SPM)		Dia (mm)			
2J-X5/40	5	96	6	115	40	6	20	0.37	DN6 union for welding
2J-X8/32	8		9.6		32	8			
2J-X16/20	16		19		20	10			
2J-X25/14	25		30		14	12			DN8 union for welding
2J-X40/5.4	40		48		5.4	16			
2J-X60/3.5	60		72		3.5	20			
2J-X100/2.2	100		120		2.2	25			DN10 union for welding
2J-X130/1.7	130		156		1.7	28			
2J-X160/1.3	160		192		1.3	32			
2J-X200/1.0	200		240		1.0	35			
2J-X250/0.8	250		300		0.8	38			
2J-X300/0.6	300		360		0.6	42			



MAIN PARAMETER

- Flow range: 5-300LPH@50Hz/6-360LPH@60Hz
- Pressure range: 1-400 Bar
- Power: **0.37kw** IEC71 4 pole Motor
- Material: SS304; SS316, others on request

PLUNGER METERING PUMP:JPZ

PARAMETER TABLE

Model	50Hz		60Hz		pressure (MPa)	Piston Size	Stroke Length (mm)	Motor Power (KW)	Connection
	Flow Rate (L/H)	Pump Speed (SPM)	Flow Rate (L/H)	Pump Speed (SPM)		Dia (mm)			
JPZ6/50	6	96	7.2	115	50	8	25	0.75	DN6 union for welding
JPZ10/45	10		12		45	10			
JPZ15/30	15		18		30	12			
JPZ26/17	26		31		17	16			DN10 union for welding
JPZ42/10	42		50		10	20			
JPZ66/7	66		79		7	25			
JPZ85/5.5	85		102		5.5	28			
JPZ110/4.0	110		132		4	32			
JPZ135/3.3	135		162		3.3	35			DN15 union for welding
JPZ160/2.8	160		192		2.8	38			
JPZ200/2.3	200		240		2.3	42			
JPZ225/2.0	225		270		2	45			
JPZ280/1.7	280		336		1.7	50			
JPZ335/1.3	335		402		1.3	55			DN25 Flange (HG/T20592 RF)
JPZ400/1.1	400		480		1.1	60			
JPZ500/1.0	500		600		1	65			
JPZ600/0.8	600		720		0.8	60			

Duplex or Triplex head is available.



MAIN PARAMETER

- Flow range: 6-600LPH@50Hz/7.2-720LPH@60Hz
- Pressure range: 8-500 Bar
- Power: 0.75kw IEC80 4 pole Motor
- Material: SS304; SS316, others on request

PLUNGER METERING PUMP:JPR

PARAMETER TABLE

Model	50Hz		60Hz		Pressure (MPa)	Piston Size	Stroke Length (mm)	Motor Power (KW)	Connection
	Flow Rate (L/H)	Pump Speed (SPM)	Flow Rate (L/H)	Pump Speed (SPM)		Dia (mm)			
JPR18/50	18	96	22	115	50	12	30	1.5	DN10 union for welding
JPR32/51	32		35		31	16			
JPR52/50	52		62		20	20			
JPR80/12	80		95		12	25			
JPR100/10	100		120		10	28			
JPR135/8	135		162		8	32			DN15 union for welding
JPR160/6.5	160		192		6.5	35			
JPR190/5.5	190		228		5.5	38			
JPR232/4.5	232		279		4.5	42			
JPR298/4.0	298		322		4	45			DN25 Flange (HG/T20592 RF)
JPR332/3.2	332		398		3.2	50			
JPR400/2.5	400		480		2.5	55			
JPR480/2.2	480		576		2.2	60			
JPR565/1.8	565		678		1.8	65			
JPR655/1.6	655		786		1.6	70			DN40 Flange (HG/T20592 RF)
JPR750/1.4	750		798		1.4	75			
JPR855/1.2	855		1020		1.2	80			
JPR965/1.0	965		1158		1.0	85			
JPR1080/0.9	1080	144	1296	172	0.9	90			
JPR1280/0.9	1280		1536		0.9	90			
JPR1450/0.8	1450		1740		0.8	85			
JPR1620/0.7	1620		1944		0.7	90			

Duplex or Triples head is available.



MAIN PARAMETER

- Flow range: 18-1620LPH@50Hz/22-1944LPH@60Hz
- Pressure range: 7-500 Bar
- Power: 1.5kw IEC90 4 pole Motor
- Material: SS304; SS316, others on request

PLUNGER METERING PUMP:JPD

PARAMETER TABLE

Model	50Hz		60Hz		Pressure (MPa)		Piston Size	Stroke Length (mm)	Connection
	Flow Rate (L/H)	Pump Speed (RPM)	Flow Rate (L/H)	Pump Speed (RPM)	30X	40X	Dia (mm)		
JPD30/30	30	90	36	115	30	7	12	80	DN10 union for welding
JPD55/(50/40)	55		66		40	20	16		DN15 Flange (HG/T20615 TG)
JPD80/(75/55)	85		102		25	35	20		
JPD135/(122/10)	135		162		16	22	25		
JPD170/(17/10)	170		204		12	17	28	80	DN25 Flange (HG/T20615 TG)
JPD225/(13/9)	225		270		9	13	32		
JPD320/(9/6.8)	320		384		6.8	9	38		
JPD380/(8/5.6)	380		456		5.6	8	42		DN25 Flange (HG/T20615 TG)
JPD430/(7/4.8)	430		516		4.8	7	45		
JPD555/(5.6/4.0)	555		666		4	5.6	50		
JPD675/(4.7/3.4)	675		810		3.4	4.7	55	80	DN40 Flange (HG/T20615 TG)
JPD805/(4.0/2.8)	805		966		2.8	4	60		
JPD945/(3.3/2.3)	945		1134		2.3	3.3	65		
JPD1100/(2.8/2.0)	1100		1320		2	2.8	70		DN40 Flange (HG/T20615 TG)
JPD1250/(2.5/1.8)	1255		1506		1.8	2.5	75		
JPD1435/(2.2/1.6)	1435		1722		1.6	2.2	80		
JPD1620/(2.0/1.5)	1620		1944		1.5	2	85	80	DN50 Flange (HG/T20615 TG)
JPD1820/(1.8/1.3)	1820		2184		1.3	1.8	90		
JPD2015/(1.6/1.2)	2015		2418		1.2	1.6	95		
JPD2250/(1.4/1.0)	2250		2700		1	1.4	100		
JPD2480/(1.2/0.9)	2480	144	2976	173	0.9	1.2	105	80	DN50 Flange (HG/T20615 TG)
JPD3060/(1.0/0.8)	3060		3660		0.8	1.0	95		
JPD3380/(0.9/0.7)	3380		4056		0.7	0.9	100		
JPD3720/(0.8/0.6)	3720		4464		0.6	0.8	105		

Duplex or Triplex head is available.



MAIN PARAMETER

- Flow range: 30-3720LPH@50Hz/36-4464LPH@60Hz
- Pressure range: 3kw/4KW 4 pole Motor
- Power: 3kw IEC100 4 pole Motor
- Material: SS304; SS316, others on request

PLUNGER METERING PUMP:JPT

PARAMETER TABLE

Model	50Hz		60Hz		Pressure (MPa)			Plunger Size Dia (mm)	Stroke Length (mm)	Connection
	Flow Rate (L/H)	Pump Speed (RPM)	Flow Rate (L/H)	Pump Speed (RPM)	5.5KW	7.5KW	11KW			
JPT80/90	85		102		50	/	/	18	80	DN15 Flange (HG/T20615-11)
JPT135/(50/36)	135		162		30	30	/	20		
JPT218(50/32/23)	218		262		22	32	60	25		
JPT273(60/26/19)	273		330		19	25	40	28	80	DN25 Flange (HG/T20615-11)
JPT360(36/20/14)	360		432		14	20	30	32		
JPT510(21/14/10)	510		612		10	14	21	38		
JPT620(18/12/8.5)	620		744		8.5	12	18	42	80	DN40 Flange (HG/T20615-11)
JPT985(12/8.2/6.0)	985		1182		6	8.2	12	50		
JPT1070(10/6.6/5.0)	1070		1284		5	6.6	10	55		
JPT1280(8.7/5.0/4.1)	1280		1536		4.1	5.0	8.7	60	80	DN50 Flange (HG/T20615-11)
JPT1500(7.5/4.9/3.5)	1500		1800		3.5	4.9	7.5	65		
JPT1750(6.5/4.2/3.0)	1750		2100		3	4.2	6.5	70		
JPT2000(5.8/3.7/2.6)	2000		2400		2.6	3.7	5.8	75	80	DN65 Flange (HG/T20615-11)
JPT2300(4.8/3.2/2.3)	2300		2760		2.3	3.2	4.8	80		
JPT2600(4.3/2.9/2.0)	2600		3120		2	2.9	4.3	85		
JPT2900(3.8/2.5/1.8)	2900		3480		1.8	2.5	3.8	90	80	DN80 Flange (HG/T20615-11)
JPT3250(3.5/2.3/1.6)	3250		3900		1.6	2.3	3.5	95		
JPT3600(3.1/2.1/1.5)	3600		4320		1.5	2.1	3.1	100		
JPT4350(2.6/1.7/1.2)	4350		5220		1.2	1.7	2.6	110	80	DN85 Flange (HG/T20615-11)
JPT5200(2.2/1.4/1.0)	5200		6240		1	1.4	2.2	120		
JPT6050(1.8/1.2/0.9)	6050		7260		0.9	1.2	1.8	130		
JPT7050(1.6/1.0/0.8)	7050		8460		0.8	1	1.6	140	80	DN90 Flange (HG/T20615-11)
JPT8100(1.4/0.9/0.7)	8100		9720		0.7	0.9	1.4	150		
JPT9200(1.2/0.8/0.6)	9200		11040		0.6	0.8	1.2	160		
JPT10400(1.1/0.7/0.5)	10400		12480		0.5	0.7	1.1	170	80	DN100 Flange (HG/T20615-11)
JPT11600(0.9/0.6/0.5)	11600		13920		0.5	0.6	0.9	180		
JPT13000(0.8/0.5/0.4)	13000		15600		0.4	0.5	0.8	190		
JPT14300(0.7/0.5/0.4)	14300		17160		0.4	0.5	0.7	200		

Duplex or Triplex head is available.



MAIN PARAMETER

- Flow range: 85-14300LPH@50Hz/102-17160LPH@60Hz
- Pressure range: 4-500 Bar
- Power 5.5KW/7.5KW/11KW 4 pole Motor
- Material: SS304; SS316, others on request

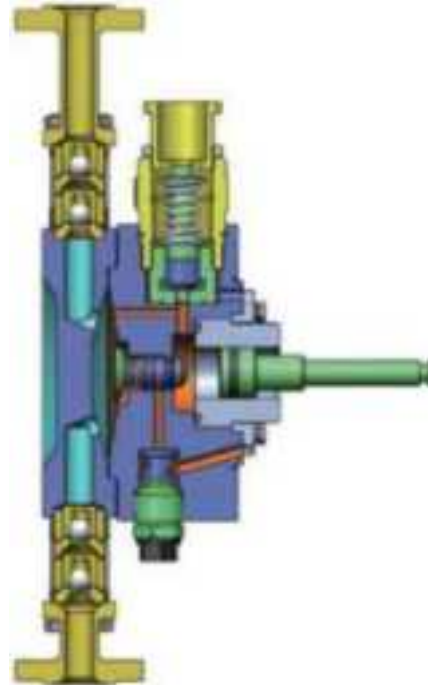
HYDRAULIC TYPE DIAPHRAGM METERING PUMP

DEFINATION

Hydraulic diaphragm pump has a reciprocating diaphragm in a hydraulic oil chamber in place of reciprocating piston inside a cylinder to produce the pumping action of the reciprocating positive displacement pump.

MAIN FEATURES

- High pressure, up to 30Mpa
- High accuracy, the precision error within 1%
- No leakage
- Can transfer liquid temperature -20°C to 100°C
- Heat jacke or cooling jacket is available
- Including internal safety valve
- All model can be equited with auto stroke controller
- Double diaphragm with leakage detection is optional.



MATERIAL OPTIONS

Wetted Parts: Standard material is SS304 or SS316, other materials on request.

Gear Box: Casting
Diaphragm: PTFE

DOUBLE DIAPHRAGM WITH LEAKAGE DETECTION PUMP

Double diaphragm with leakage detection pump can prevent leakage after the first diaphragm is ruptured. The pump will automatically stop when the rupture happens within 0.2~6 seconds, and make sound and light alarm.



APPLICATIONS

Generally used for strong corrosive, volatile, flammable and explosive, highly toxic, radioactive medium or precious metals

HYDRAULIC DIAPHRAGM PUMP:JYPX

PARAMETER TABLE

Model	50Hz		60Hz		Pressure (MPa)	Piston Size	Stroke Length (mm)	Motor Power (KW)	Connection
	Flow Rate (L/H)	Pump Speed (SPM)	Flow Rate (L/H)	Pump Speed (SPM)		Dia (mm)			
JYPX1.5/60	1.5	96	1.8	115	60	6	20	0.37	DN6 union for welding
JYPX3.5/33	3.5		4.2		33	8			
JYPX6/25	6		7.2		25	8			
JYPX11/18	11	144	13.2	173	18	10			DN10 union for welding
JYPX18/12	18		22		12	12			
JYPX30/7	30		36		7	16			
JYPX50/4.5	50		60		4.5	20			DN15 union for welding
JYPX80/2.8	80		96		2.8	25			
JYPX100/2.2	100		120		2.2	28			
JYPX135/1.8	135		162		1.8	32			
JYPX160/1.5	160		192		1.5	35			
JYPX190/1.2	190		228		1.2	38			
JYPX210/1.0	210		252		1	40			

Duplex or Triplex head is available.



MAIN PARAMETER

- Flow range: 1.5-210LPH@50Hz/1.8-252LPH@60Hz
- Pressure range: 10-600 Bar
- Power: **0.37kw** IEC71 4 Pole Motor
- Material: SS304; SS316, other on request

HYDRAULIC DIAPHRAGM PUMP:JYPZ

PARAMETER TABLE

Model	50Hz		60Hz		Pressure (MPa)	Piston Size	Stroke Length (mm)	Motor Power (KW)	Connection
	Flow Rate (L/10)	Pump Speed (SPM)	Flow Rate (L/10)	Pump Speed (SPM)		Dia (mm)			
JYP25/70	5	96	6	115	70	8	25	0.75	DN6 union for welding
JYP28/44	8		9.6		44	10			
JYP13/30	13		15.6		30	12			
JYP20/22	20	144	24	173	22	12			DN10 union for welding
JYP38/12	38		45.6		12	16			
JYP50/10	50		60		10	18			
JYP62/8	62		74		8	20			
JYP76/6.5	76		91		6.5	22			
JYP100/5.0	100		120		5	25			DN15 union for welding
JYP140/3.5	140		168		3.5	30			
JYP165/3.2	165		198		3.2	32			
JYP210/2.5	210		252		2.5	36			
JYP260/2.0	260		312		2	40			DN25 Flange (HG/T20592 RF)
JYP330/1.6	330		396		1.6	45			
JYP410/1.3	410		492		1.3	50			
JYP500/1.0	500		600		1	55			
JYP600/0.8	600		720		0.8	60			
JYP700/0.7	700		840		0.7	65			
JYP820/0.6	820		984		0.6	70			

Duplex or Triplex head is available.



MAIN PARAMETER

- Flow range: 5-820LPH@50Hz/6-984LPH@60Hz
- Pressure range: 6-700 Bar
- Power: **0.75kw** IEC80 4 Pole Motor
- Material: SS304; SS316, other on request*

HYDRAULIC DIAPHRAGM PUMP:JYPR

PARAMETER TABLE

Model	50Hz		60Hz		Pressure (MPa)	Piston Size Dia (mm)	Stroke Length (mm)	Motor Power (KW)	Connection
	Flow Rate (L/H)	Pump Speed (RPM)	Flow Rate (L/H)	Pump Speed (RPM)					
JYPR10/70	10	90	12	115	70	10	30	1.5	DN8 union for welding
JYPR15/90	15		18		90	12			DN10 union for welding
JYPR30/32	30		36		32	16			
JYPR40/33	40	144	50	173	23	16			
JYPR60/18	60		72		18	18			
JYPR75/15	75		90		15	20			
JYPR92/12.5	92		110		12.5	22			
JYPR120/9.5	120		144		9.5	25			
JYPR175/6.5	175		210		6.5	30			DN15 union for welding
JYPR200/5.8	200		240		5.8	32			
JYPR252/4.5	252		302		4.5	36			
JYPR315/3.7	315		378		3.7	40			
JYPR400/3.0	400		480		3	45			
JYPR500/2.4	500		600		2.4	50			DN25 Flange (GB/T20692 RF)
JYPR600/2.0	600		720		2	55			
JYPR720/1.7	720		864		1.7	60			
JYPR830/1.4	830		996		1.4	65			
JYPR960/1.2	960		1152		1.2	70			
JYPR1100/1.0	1100		1320		1	75			DN80 Flange (GB/T20692 RF)
JYPR1250/0.9	1250		1500		0.9	80			
JYPR1430/0.8	1430		1716		0.8	85			
JYPR1600/0.7	1600		1920		0.7	90			

Duplex or Triplex head is available.



MAIN PARAMETER

- Flow range: 10-1600LPH@50Hz/12-1920LPH@60Hz
- Pressure range: 7-700 Bar
- Power: **1.5kw** IEC90 4 Pole Motor
- Material: SS304; SS316, other on request

HYDRAULIC DIAPHRAGM PUMP:JYPD

PARAMETER TABLE

Model	50Hz		60Hz		Pressure (MPa)		Platen Size	Stroke Length (mm)	Connection
	Flow Rate (L/H)	Pump Speed (RPM)	Flow Rate (L/H)	Pump Speed (RPM)	30X	40X			
JYPD25/70	25	86	30	115	20	7	12	50	DN10 union for welding
JYPD40/(70/32)	40	144	48	173	32	70	12		
JYPD80/(42/30)	80		96		30	42	16		
JYPD100/(32/22)	100		120		22	32	18		
JYPD125/(30/19)	125		150		19	20	20		
JYPD155/(21/16)	155		186		16	21	22		
JYPD200/(17/12)	200		240		12	17	25		
JYPD300/(11/8.5)	300		360		8.5	11	30		
JYPD330/(10/7.5)	330		396		7.5	10	32		
JYPD425/(8.5/6.0)	425		510		6	8.5	36		
JYPD525/(6.6/4.0)	525		630		4.8	6.6	40		
JYPD670/(5.2/3.7)	670		804		3.7	5.2	45		
JYPD820/(4.2/3.1)	820		984		3.1	4.2	50		
JYPD1000/(3.5/2.5)	1000		1200		2.5	3.5	55		
JYPD1200/(3.0/2.1)	1200		1440		2.1	3	60		
JYPD1315/(2.7/1.9)	1315		1578		1.9	2.7	63		
JYPD1400/(2.5/1.8)	1400		1680		1.8	2.5	65		
JYPD1630/(2.1/1.6)	1630	1956	1.6	2.1	70				
JYPD1860/(1.9/1.4)	1860	2236	1.4	1.9	75				
JYPD2130/(1.7/1.2)	2130	2556	1.2	1.7	80				
JYPD2400/(1.5/1.1)	2400	2880	1.1	1.5	85				
JYPD2700/(1.3/1.0)	2700	3240	1	1.3	90				
JYPD3000/(1.2/0.8)	3000	3600	0.8	1.2	95				
JYPD3300/(1.0/0.7)	3300	4020	0.7	1	100				
									DN50 Flange (HG/T20592-1G)

Duplex or Triplex head is available.



MAIN PARAMETER

- Flow range: 25-3350LPH@50Hz/30-4020LPH@60Hz
- Pressure range: 7-700 Bar
- Power: **3kw/4kw** 4 Pole Motor
- Material: SS304; SS316, other on request

HYDRAULIC DIAPHRAGM PUMP:JYPT

PARAMETER TABLE

Model	50Hz		60Hz		Pressure (Bar)			Flange Size	Stroke Length (mm)	Connection
	Flow Rate (L/min)	Pump Speed (RPM)	Flow Rate (L/min)	Pump Speed (RPM)	5.5KW	7.5KW	11KW	Size (mm)		
JYPT80/(70/36)	80	90	90	110	56	70	7	16	DN15 Flange (HG/T20615 TG)	
JYPT132/(70/51/36)	130		130		36	51	70	20		
JYPT205/(48/33/24)	200		280		24	33	48	25		
JYPT302/(35/23/16)	300		360		16	23	35	30		
JYPT356/(30/20/14)	350		420		14	20	30	32	DN25 Flange (HG/T20615 TG)	
JYPT450/(24/16/11)	450		540		11	16	24	38		
JYPT552/(20/13/9.5)	550		660		9.5	13	20	40		
JYPT702/(15/10/7.5)	700		840		7.5	10	15	45		
JYPT880/(12/8.5/6.0)	880		1056		6	8.5	12	50	DN40 Flange (HG/T20615 TG)	
JYPT1000/(10/6.8/5.0)	1000		1200		5	6.8	10	55		
JYPT1260/(8.5/5.7/4.1)	1260		1512		4.1	5.7	8.5	60		
JYPT1400/(8.0/5.2/3.7)	1400		1680		3.7	5.2	8	65		
JYPT1500/(7.5/4.9/3.5)	1500		1800		3.5	4.9	7.5	68	DN50 Flange (HG/T20615 TG)	
JYPT1720/(6.3/4.2/3.0)	1720		2064		3	4.2	6.3	70		
JYPT2000/(5.5/3.7/2.6)	2000		2400		2.6	3.7	5.5	75		
JYPT2265/(4.8/3.2/2.3)	2265		2718		2.3	3.2	4.8	80		
JYPT2500/(4.3/2.9/2.1)	2500		3000		2.1	2.9	4.3	85	DN60 Flange (HG/T20615 TG)	
JYPT2870/(3.8/2.5/1.8)	2870		3444		1.8	2.5	3.8	90		
JYPT3200/(3.5/2.3/1.6)	3200		3840		1.6	2.3	3.5	95		
JYPT3580/(3.1/2.1/1.5)	3580		4296		1.5	2.1	3.1	100		
JYPT4300/(2.6/1.7/1.2)	4300		5160		1.2	1.7	2.6	110	DN80 Flange (HG/T20615 TG)	
JYPT5150/(2.2/1.5/1.0)	5150		6180		1	1.4	2.2	120		
JYPT6000/(1.8/1.2/0.8)	6000		7200		0.8	1.2	1.8	130		
JYPT7000/(1.6/1.0/0.8)	7000		8400		0.8	1	1.6	140		
JYPT8050/(1.4/0.9/0.7)	8050		9660		0.7	0.9	1.4	150	DN90 Flange (HG/T20615 TG)	
JYPT9100/(1.2/0.8/0.6)	9100		10920		0.6	0.8	1.2	160		
JYPT10200/(1.0/0.7/0.5)	10200		12240		0.5	0.7	1	170		



MAIN PARAMETER

- Flow range: 80-10200LPH@50Hz/96-12240LPH@60Hz
- Pressure range: 5-700 Bar
- Power: 5.5KW/7.5KW/11KW 4 Pole Motor
- Material: SS304; SS316, other on request

DIGITAL METERING PUMP

Summary

Digital metering pump innovative use of stepper motor vector drive, advanced MCU (micro control unit) and software program customization optimization, to achieve a wide range of accurate metering. Digital metering pump machine has simple structure, easy installation and maintenance, the fusion many kinds of intelligent design, manual/automatic, remote/local mode optional, combined with the flow, liquid level, pressure, time, security alarm monitoring and control, through the integrated microprocessor automatic operation and feedback, and support the Modbus RTU two-way communication protocols, Friendly man-machine interface system (HMI/LCD) makes operation more convenient.

Technical parameter

Flow range: mechanical diaphragm $Q_{max}=4000L/H$, plunger, hydraulic diaphragm $Q_{max}=45m^3/H$
Pressure range: mechanical diaphragm $P_{max}=1.2mpa$, plunger, hydraulic diaphragm $P_{max}=70Mpa$
Electrical parameters: AC220/380V, single-phase/three-phase, 50/60Hz, optional explosion-proof
Flow end material: PVC, PVDF, 304/316L, 904, 2205, Ti, Hastelloy C, etc
Optional configuration: integrated monitoring and control of pressure and liquid level, double diaphragm safety protection, etc

Features

Innovation-driven structure has excellent performance, precision and reliability
Measurement accuracy $\pm 1\%$, flow regulation ratio 1000:1
Modular design, suitable for diaphragm, plunger, hydraulic diaphragm pump
Modular design, suitable for explosion-proof occasions
Support pressure, liquid level control, diaphragm rupture alarm
Support timing, quantitative, cyclic batch adding
Pulse, analog signal control, Modbus RTU bidirectional communication

DM/JM series overview

DM series: HMI man-machine interface, can integrate pressure, liquid level, time module, high degree of automation
JM series: LCD+ button, simple operation, suitable for explosion-proof occasions, a wide range of applications



DIGITAL METERING PUMP PERFORMANCE PARAMETER-1

DMA/JMA Parameter

Model	Flow L/h	Pressure Mpa	Diaphragm m	Power W	Connection		
					PVC	PVDF/PTFE*	304/316
DMA/JMA7.5/1.2	7.5	1.2	60	80	6*9 mm PE hose	6*9 mm PE hose	8*14 union for welding
DMA/JMA15/1.0	15	1.0					
DMA/JMA25/1.0	25						
DMA/JMA50/1.0	50						
DMA/JMA80/0.7	80	0.7	84		DN15 union	Rc1/2"F Thread	10*16 union for welding
DMA/JMA100/0.7	100						
DMA/JMA120/0.7	120						
DMA/JMA150/0.5	150	0.5					
DMA/JMA200/0.3	200	0.3					

DMB/JMB Parameter

Model	Flow L/h	Pressure Mpa	Diaphragm m	Power Kw	Connection		
					PVC	PVDF/PTFE*	304/316
DMB/JMB170/0.7	170	0.7	112	0.4	DN15 union	Rc3/4"F Thread	15x22 union for welding
DMB/JMB240/0.5	240	0.5					
DMB/JMB330/0.5	330	0.5					
DMB/JMB400/0.5	400	0.5					
DMB/JMB500/0.5	500	0.5					
DMB/JMB600/0.4	600	0.4			DN25 union	Rc1"F Thread	Rc1" F Thread

DIGITAL METERING PUMP PERFORMANCE PARAMETER-2

DMC/JMC Parameter

Model	Flow L/h	Pressure Mpa	Diaphragm m	Power Kw	Connection		
					PVC	PVDF/PTFE*	304/316
DMC/JMC240/1.0	240	1.0	148	0.75	DN25 union	DN25 Flange	Rc1" F Thread
DMC/JMC320/1.0	320	1.0	148				
DMC/JMC500/1.0	500	1.0	148				
DMC/JMC680/0.7	680	0.7	148				
DMC/JMC760/0.5	760	0.5	148				
DMC/JMC1000/0.4	1000	0.4	148	1.1	DN40 union	DN40 Flange	Rc1½" F Thread
DMC/JMC1200/0.4	1200	0.4	185				
DMC/JMC1600/0.3	1600	0.3	185				
DMC/JMC2000/0.3	2000	0.3	185				

DMCS/JMCS Parameter

Model	Flow L/h	Pressure Mpa	Diaphragm m	Power Kw	Connection		
					PVC	PVDF/PTFE*	304/316
DMCS/JMCS1360/0.7	1360	0.7	148	1.1	DN25 union	DN25 Flange	Rc1" F Thread
DMCS/JMCS1500/0.5	1500	0.5	148				
DMCS/JMCS2000/0.4	2000	0.4	148				
DMCS/JMCS2400/0.4	2400	0.4	185		DN40 union	DN40 Flange	Rc1½" F Thread
DMCS/JMCS3200/0.3	3200	0.3	185				
DMCS/JMCS4000/0.3	4000	0.3	185				

Note: * is optional configuration.

DM/JM SERIES TECHNICAL PARAMETER-1

			DM	JM
Mechanical Parameter	Max Flow@Pressur	[L/h Bar]	4000L/h @3Bar	4000L/h @3Bar
	Adjustment Scale		1000:1	1000:1
	Max Pressure	[Bar]	12Bar	12Bar
	Connection Size		DN6—DN40	DN6—DN40
	Head Material		PVDF/PVC/316/304	PVDF/PVC/316/304
	Diaphragm Material		Composite PTFE	Composite PTFE
	Max Suction height on working	[m]	6	6
	Max Suction height	[m]	2	2
	Max Viscosity	[mPa·s]	2000	2000
	Liquid Temperature Range	[℃]	-10 — 80	-10 — 80
	Ambient Temperature Range	[℃]	0 — 50	0 — 50
	Stability Accuracy	[%]	±1	±1
	Repeatability Accuracy	[%]	±1	±1
Electrical Parameter	Voltage	[VAC]	220V, 50/60Hz	220V, 50/60Hz
	Rated Power	[W]	80/400/750/1100	80/400/750/1100
	Cable Plug Type		Aviation plug*2	Aviation plug*2
	Protection Class		IP65	IP65



PLUNGER/HYDRAULIC DIAPHRAGM DIGITAL METERING PUMP JMP/JMYP

Summary

DM/JM series digital metering pump its digital control software and hardware adopts modular design, can be applied to the full series of mechanical diaphragm plunger hydraulic diaphragm metering pump products, and can meet the requirements of explosion-proof its mechanical structure is simple, convenient installation and maintenance; integration of a variety of intelligent design in one, a wide range of application JM series metering pump adopts large screen HD backlight LCD with key operation, DM series adopts touch HMI, the operation is more convenient, and on the basis of JM series can realize pressure level monitoring and alarm, can also realize the mode of timing cycle and other high-precision metering.

Technical Parameter

Flow range: plunger, hydraulic diaphragm $Q_{max}=45m^3/h$
Pressure range: plunger $P_{max}=50Mpa$, hydraulic diaphragm $P_{max}=70Mpa$
Electrical parameters: AC220/380V, single-phase/three-phase, 50/60Hz, optional explosion-proof grade
Flow end material: 304/316L, PVDF, 904, 2205, TA, Hastelloy C, etc

Features

- Innovation-driven structure has excellent performance, precision and reliability
- Material pump head optional: PVDF/PVC/316/304
- Modular design, suitable for diaphragm, plunger, hydraulic diaphragm pump
- Modular design, suitable for explosion-proof occasions
- Stability accuracy and reproducibility accuracy are up to $\pm 1\%$
- Flow regulation ratio 1000:1, high linear accuracy of flow
- Adjust analog signal 4-20mA input and output
- Pulse signal control regulation
- Manual/automatic, remote/local control mode
- Flow calibration
- External pressure and liquid level input control protection
- Timing, quantitative add batch processing
- Multiple universal serial ports, supporting Modbus RTU communication
- Man-machine interface: touch screen HMI/ backlit HD LCD
- Modular design, suitable for diaphragm, plunger, hydraulic diaphragm pump
- Modular design, suitable for explosion-proof occasions



METERING PUMP STROKE CONTROLLER

Metering Pump Stroke Controller

Metering pump stroke controller can achieve 0-100% manual/automatic metering pump stroke length locally/remotely, through the percentage of manual input or received control signal, automatically adjust the stroke position to adjust the metering pump stroke length, and finally adjust the metering pump output flow, to achieve the purpose of automatic control. Stroke controller with local percentage and analog flow (based on calibrated flow conversion) display, control adjustment and maintenance is easy.

Main Advantages

- Adjustment range: 0-100%
- No external auxiliary control equipment is required
- Automatic stroke adjustment does not affect pump pulse
- High adjustment precision, and provide flow calibration function
- Highly integrated, saving operation and maintenance costs
- Automatic and manual mode conversion can be realized
- Automatic position feedback after adjustment
- Stroke position automatically locks in case of unexpected power failure
- Large LCD - Set percentage, actual percentage, analog flow display
- Modular design, suitable for the full range of metering pump products

Technical Parameters

- Rated voltage: AC220V $\pm$ 10%, 50/60Hz
- Power: 25 w
- Hold torque: 9Nm
- Adjusting speed: 0-100% (10 laps -100sec)
- Control signal: 4-20mA
- Feedback signal: 4-20mA
- Large SCREEN LCD: Set percentage, actual percentage, simulated flow
- Output accuracy: $\pm$ 0.5%F.S
- Flow value display accuracy: $\pm$ 1.5% (100% at full scale)
- Protection level: IP65
- Insulation grade: F
- Operating temperature: -20 -- 50 $^{\circ}$ C
- Relative humidity: 90% (at 25 $^{\circ}$ C)
- Weight: 3.5 Kg



DIAPHRAGM METERING PUMP SERIES

Summary

The hydraulic double-diaphragm metering pump adds a layer of diaphragm on the basis of the hydraulic diaphragm-type metering pump, and is monitored by sensors or instruments to prevent accidents caused by the rupture of the single-layer diaphragm. It is equipped with a diaphragm rupture monitoring and alarm system, which improves the use of the pump safety. The maximum flow of a single head is less than or equal to 10200L/H, and the maximum pressure is less than or equal to 70MPa.

Features

The liquid end is sealed with double-layer diaphragm, which has no leakage and higher safety. The double-layer diaphragm is vacuum-fitted in normal operation, and the measurement accuracy is high. Once the diaphragm is ruptured, the sensor can detect it within 0.2S and feed back a signal, the metering pump's own control system immediately stops the metering pump and sends out an audible and visual alarm, which effectively protects the safety of use. According to the user's needs, the corresponding signal can also be sent to the central control room, and it will be alarmed and repaired at the first time. Usually PTFE diaphragm is used, which has excellent corrosion resistance and temperature resistance. The pump has a built-in overload valve to automatically release pressure to protect the pump, but it cannot be used for a long time. The flow/pressure has a wide range of applications, and can be applied to special media such as high and low temperature, high viscosity, corrosiveness, solid content, flammable and explosive, highly toxic, malodorous, and radioactive. It can be double-headed or multi-headed in parallel to increase the flow and reduce the pulse, and it can also transport a variety of media at the same time as a proportional pump. Optional Ligao metering pump stroke controller to achieve a wider range of automatic control.

Advantage

The pump has its own control system, monitoring sensor, sound and light alarm, fast response time and higher safety, which is better than the local display instrument. The patented integral adjustable eccentric mechanism is efficient and reliable, the stroke can be adjusted steplessly from 0 to 100%, and the stability accuracy, repeatability accuracy and linearity accuracy of the metering pump can reach $\pm 1\%$. Single-layer or multi-layer metal diaphragms can be used, and the maximum pressure can reach 70MPa. Diversified and high-precision check valve components (ball type, stack valve type, angle valve type, etc.), and the wearing parts valve seat can be used on both sides, reducing the cost of use and improving the maintenance efficiency.



GIN KAI TECHNOLOGY (SHANGHAI) CO.,LTD

MULTIPLE HEADS PUMPS ON REQUEST



PACKAGED DOSING SYSTEM

GINKAI PACKAGED DOSING SYSTEM is customized system that is ready mounted and ready for use. The standard system is with dosing pumps, piping, storage tank, and other instruments required. The system is usually supplied with a platform skid, sometimes with a ladder. All these dosing skids are designed responding to individual needs and configured in-house. We have gained a lot of experience on packaged dosing system design and manufacturing.



FEATURES AND BENEFITS:

1. All systems are mounted on the skid, easy and simple for installation.

2. Compact design, minimal space required.

3. Control cabinet can achieve local manual adjustment and automatic dosing. All the electrical, instrumentation are concentrated in the electrical cabinet assembly, compact, safe and convenient operation.

4. Easy operation, easy maintenance.

5. Accurate and stable dosing with wide dosing range.

10

Control Valves

GK CV3000 Control Valve

Design Features:

1. Double parabolic flow channel structure, minimize the flow dead zone, greatly reduce the flow resistance coefficient.
2. The bottom is provided with a blowdown hole, which can clean the residue in the valve regularly or irregularly
3. The rated capacity is about 30% of the super conventional regulating valve. It can meet the needs of some specific places.
4. Top guided or double seal guided control structure be can flexibly used to meet the working occasions of high pressure difference or mixed media containing particles.
5. According to the customer's traffic characteristics (equal percentage or linear), design accurate control components to meet the customer's on-site requirements. It can also be customized according to the customer's on-site traffic requirements.
6. Because the valve plug is concave in the side guide of the sleeve, the vibration caused by the eddy current impact is weakened, so it has low noise and small cavitation effect.
7. Pneumatic or electric actuator can be flexibly selected according to the actual working conditions of the site in order to achieve accurate adjustment effect.

Main Performance Parameters

Nominal Diameter: DN65—DN100

Nominal Pressure: PN40, PN63

Working Temperature: Normal temperature: $-20\text{—}+150^{\circ}\text{C}$, medium temperature: $+150\text{—}+230^{\circ}\text{C}$, high temperature: $+230\text{—}+425^{\circ}\text{C}$

Valve Material: WCB, CF8(304), CF8M(316)

Connection Type: Flanged

Control Signal: 4—20MADC feedback signal 4—20MADC



GK ELECTRIC CONTROL VALVE SERIES

The electric control valve series consists of low fluid resistance straight-through body and electric actuators of FT1000、PS series, 3810L series or 3410L series. It receives standard 4–20mADC control signal to change valve opening and realize the adjustment of pressure, temperature, flow, liquid level and other technological parameters.

Main Performance Parameters

Nominal Diameter: DN15—DN300

Nominal Pressure: PN1.6—6.3MPa

Working Temperature: Normal Temperature $-20—+150^{\circ}\text{C}$

Medium Temperature: $+150—+220^{\circ}\text{C}$

High Temperature: $\pm 220—+425^{\circ}\text{C}$

Valve Material: WCB CF8(304) CF8M(316)

Connection Type: Flanged, Threaded

Control Signal: 4—20mADC, Feedback signal 4—20mADC

Power Supply: 220VAC 380V AC, Other voltages to be customized.

It is widely applied in the automatic control system in electric power, petroleum, chemical industry, metallurgy, light industry, college teaching and scientific research equipment and other industries.



GK Ball Valve Series

The ball valve series consists of O type or V type ball valve and electric or pneumatic actuator. The electric and pneumatic actuators include regulating type and switching type. The regulating type receives 4-20mA DC control signal and feeds back 4—20mA DC valve position signal. The switching type (electric) is allocated inside with the resistance signal and optional dry contact. The switching type (pneumatic) can be equipped with solenoid valve, limit switch and other accessories.

Main Performance Parameters

Nominal Diameter: DN15—DN300

Nominal Pressure: PN1.6—6.3MPa

Working Temperature: Normal temperature: -20—150°C

Medium Temperature: +150—220°C

High Temperature: 220—425°C

Valve Material: WCB CF8(304) CF8M(316)

Connection Type: Flanged, Wafer, Threaded

Control Signal: 4—20mA DC, Feedback signal 4—20mA DC

Power Supply: 220VAC, Other voltages can be pointed out when placing orders.

It is widely applied in various industries such as metallurgy, chemical industry, electric power, pulp & paper, printing, building material, water supply, heat supply, light industry and etc.



GK SEQUENCING VALVE SERIES

The **GK** sequencing valve series is a main component for realizing automatic control in industrial pipelines. It is widely used in the automatic pipelines in petroleum, chemical industry, pharmacy, fertilizer, electric power and etc. It is especially suitable for use on engineering pipelines for gas pressure swing adsorption and separation of hydrogen, oxygen, reformed gas, FCC dry gas, shift gas and etc., and in particular suitable for use on pipelines that require two-way sealing.

Main Performance Parameters

Nominal Diameter: DN50—DN500 (others can be made to order)

Nominal Pressure: PN1.6—6.3MPa (others can be made to order)

Valve Material: WCB CF8(304) CF8M(316)

Working Mode: Indirect type, Direct operated type, Balancing type

Driving Mode: Pneumatic, Hydraulic



GK PNEUMATIC DIAPHRAGM CONTROL VALVE SERIES

The pneumatic diaphragm control valve series consists of pneumatic multi-spring diaphragm actuator, low flow resistance straight-through control valve, and high precision electro-pneumatic valve positioner. The valve uses the compressed air as the driving power, receives standard 4—20MA control signal to change valve opening and realize the adjustment of pressure, temperature, flow, liquid level and other technological parameters.

Main Performance Parameters

Nominal Diameter: DN15—DN300

Nominal Pressure: PN1.6—6.3MPa

Working Temperature: Normal Temperature: -20—+200℃

Medium Temperature: +200—+425℃

Valve Material: WCB CF8(304) CF8M(316)

Connection Type: Flanged, Threaded

Control Signal: 4—20mADC, Feedback Signal 4—20mADC

Air Supply Pressure: 0.4—0.7MPa

It is widely applied in the automatic control system in electric power, petroleum, chemical industry, metallurgy, light industry, college teaching and scientific research equipment and other industries.



GK BUTTERFLY VALVE SERIES

The butterfly valve series consists of medium type and three eccentric butterfly valves and electric or pneumatic actuator. The electric and pneumatic actuators include regulating type and switching type. The regulating type receives 4—20MADC control signal and feeds back 4—20MADC valve position signal. The switching type(electric)is allocated inside with the resistance signal and optional dry contact. The switching type(pneumatic) can be equipped with solenoid valve, limit switch and other accessories.

Main Performance Parameters

Nominal Diameter: DN50—DN1200

Nominal Pressure: PN0.6—6.3MPa

Working Temperature: Normal temperature: -20—150°C

Medium Temperature: +150—220°C

High Temperature: 220—600°C

Valve Material: WCB CF8(304) CF8M(316)

Connection Type: Flanged, Wafer, Threaded

Control Signal: 4—20mADC, Feedback signal 4—20mADC

Power Supply: 220VAC, Other voltages can be pointed out when placing orders.

It is widely applied in various industries such as metallurgy, chemical ndustry, electric power, pup&paper, printing, building material, water supply, heat supply, light industry and etc.



GK MANIFOLD

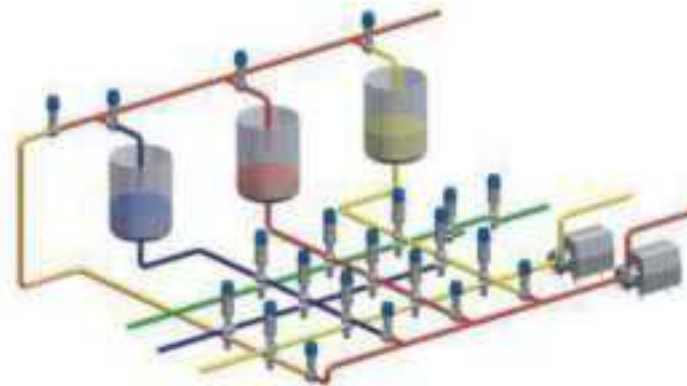
The manifold can be assembled by containers with various functions together. It can improve working efficiency of system and control the whole production process. The manifold can choose any flexible hose pipe and jet deviator to change the flexure automatically. The kind of automatic operation is safe, flexible and effective. One set of manifold can served to multi pipelines. Meanwhile other containers are filed in or empty, operator can clean up any one of them. The liquid wont be polluted.

Widely used in dairy, juice, beverage, brewery, wine, food processing, cosmetic, pharmacy industries.

Materials

Parts in contact with the medium: AISI316L

Other parts: Actuators, skid and drain tray, control panel AISI304 gaskets in contact with medium: EPDM



GK MIXPROOF DOUBLE SEAT VALVE

The mixproof valve is a completely hygienic double sealing valve.

This system allows for the simultaneous processes in the two bodies of the valve by providing interface between the two fluids, preventing the possibility of product contamination.

The leakage chamber and leakage detector can be self cleaned through seatliting.

The mixproof vave is applied to food-processing industries, especialy in the beverage and dairy industries.

Materials

Parts in contact with the media: AISI 316L

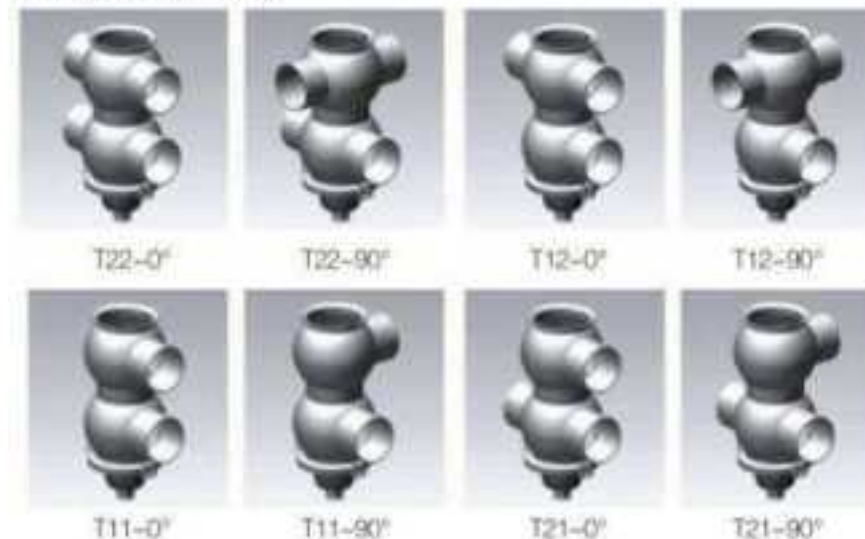
Other stainless steel parts: AISI 304

Internal surface finish: $Ra \leq 0.8 \mu m$

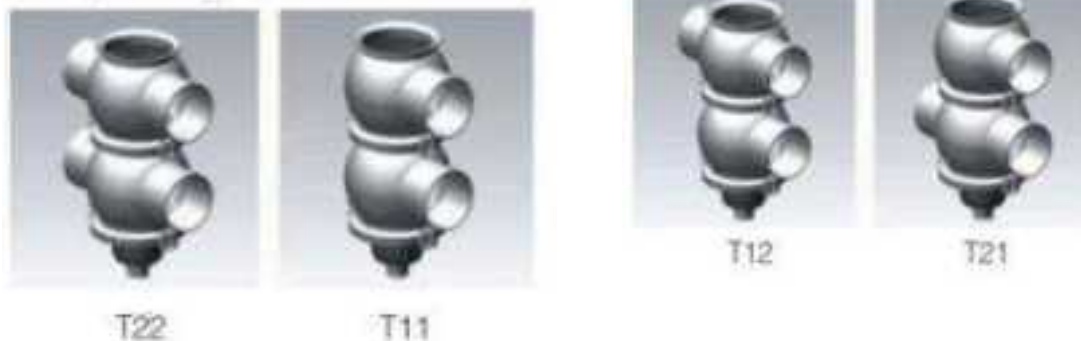
Gasket(standard): EPDM in compliance with FDA



One-piece valve body:



Clamped body combination:



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GK DIVERT SEAT VALVE

The divert seat valve is applied to the food-processing industry, beverage, pharmaceutical and fine chemicals industries.

Materials

Pars in contact with medium: AISI 316L, AISI 304

Other parts in stainless steel: AISI 304

Gasket: EPDM in compliance with FDA

Internal surface finish: $Ra < 0.8 \mu m$

External surface finish: Sandblast or mirror polish

Valve position can be adjusted divert seat

Technical features:

Use wrench to realize flow control at low cost



Valve position regulator

Control wrench



GK SANITARY BUTTERFLY VALVE

Sanitary Butterfly valves, no matter manually or automatically, can be used in food-processing, pharmacy and chemical industries.

Operating principles

The butterfly valves can be operated automatically through actuator or manually with the handle.

The handle blocks the valve in the "open" or "closed" position, certainly there are the other position available.

The actuator push piston of axial movement into 90 degree so that it controls butterfly valve.



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GK SANITARY BALL VALVE

It is widely used in beverage, breweng, oil refinery, cosmetic, chemical industries

Materials

Part contacted with media: AISI304/316L

Gasket: EPDM (Standard)

Seal: PTFE

Inner side polish: Ra0.8 μm

Inner side polish: CNC lathe machining



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