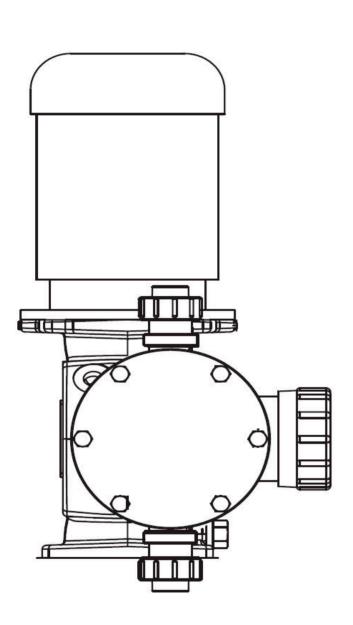






WUHAN GIENS INDUSTRY CO., LTD





GIENS is an entity with over 10 years of experience in engineered flow solutions. Our core products are AODD (Air Operated Double Diaphragm) pumps and metering pumps.

GIENS has always been striving to pursue high standards and has successively obtained ISO9001, CE and ATEX certifications. When you partner with us, you get superior craftsmanship and quality, backed by our premier factory warranty.

GIENS pumps are widely used in various fields such as ceramics, coatings, chemicals, optoelectronics, medicine, oil, gas and paper making, etc. And GIENS pumps have won wide recognition from customers.

GIENS pumps are designed to meet the harshest uses and operating environments through rigorous validation and the application of advanced engineering methods to enhance their performance.

GIENS pumps are also advancing with the times and are able to meet the ever-changing market demands.

GIENS is willing to work with you to create a better future together and provide you with a safety & guarantee for your industrial fluid transportation in the near future.

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About Metering Pump



Metering pump is a kind of machine with stepless flow adjustment in the range of 0-100%, which is used to transport liquid (especially corrosive liquid) and can be measured. Also known as quantitative pump or proportional pump. The metering pump is a reciprocating positive displacement pump, which is used for accurate metering. The stability accuracy of the metering pump is not more than ± 1%. With the continuous development of automation, intelligence and remote automatic control, metering pumps are widely used in petrochemical, pharmaceutical, food, oil refining, thermal power plant, industrial and mining, printing and dyeing, paper making, environmental protection and water treatment due to their strong matching and wide adaptability to medium (liquid).

Metering Pump Features

Excellent performance: No leakage, high safety performance, accurate measurement and delivery, flow can be adjusted from zero to the maximum rating range, pressure can be selected from the normal pressure to the maximum allowable range,

Easy to use: the adjustment is intuitive and clear, it can adjust the flow by hand and frequency conversion, also can realize remote control and computer automatic control, work smoothly, no noise, small size, light weight, easy to maintain and use in

Full range: suitable for conveying-30 to 450 degrees, viscosity 0-800mmls, maximum discharge pressure up to 50 Mpa, flow range 1-18000L/H, measurement accuracy within $\pm \, 1\%$.

Metering Pump Selection Requirements

Definite pressure. The rated pressure of the selected metering pump should be higher than the actual maximum pressure needed, usually 10 ~ 20% higher. Do not choose too high, too high pressure will waste energy, increase equipment investment and operating costs;

Determine flow. The selected metering pump flow should be equal to or slightly greater than the flow required by the process. Metering pump flow range in the metering pump rated flow range of $30 \sim 100\%$ is better, when the metering pump repeated high precision. Considering the economy and practicality, it is suggested that the actual flow rate of metering pump should be $70 \sim 90\%$ of the rated flow rate of metering pump

Determine the pump head (hydraulic end) material. It is very important to select the material of the over-current part according to the property of the over-current medium after the model specification is determined. In severe cases, it can lead to major accidents.









Installation Precautions

- Export higher than imports, to avoid Siphon Phenomenon.
- Pump head and injection valve require vertical installation.
- ☐ The attached plastic pipe can be screwed tightly by hand, do not use tools, do not use raw material thread belt.
- ☐ The power supply voltage is stable and grounded.
- ☐ The installation environment is clean and spacious with good ventilation.

Control At Source, At Every Stage



Good Raw Material

The quality of raw materials is the primary factor to determine the quality of metering pump. The raw material supplier of LIGO metering pump is a well-known international and domestic raw material manufacturer. After entering the company, the raw materials must go through a series of rigorous scientific tests to ensure the superior performance, high quality and pure special raw materials, which has genetically established the excellent performance and environmental protection quality of metering pump.



Advanced Manufacturing Process

The introduction of world-class CNC horizontal machining center, vertical machining center, drilling center and other equipment 150 sets, high degree of automation, accurate quality control, to ensure the excellent quality of products. With the comprehensive implementation of 5S management, more than 200 skilled technical workers have forged high-grade metering pumps through more than 100 precision processes and the spirit of improving craftsmanship.



Strict Quality Control

The company purchased 20 sets of international advanced precision testing equipment such as CMM, spectrometer and gear measuring center, established a perfect quality management system, and strictly controlled the quality through "self inspection, mutual inspection and special inspection". Each batch of products are tested by professional quality inspectors according to the internal control standards before leaving the factory, so as to ensure the reliable product quality, safe and efficient operation from the aspects of product appearance, size, physical and chemical properties, packaging, etc. Perfect quality assurance system, advanced testing means and strict testing system ensure the extraordinary quality of the company's products.



Product Structure

Necessary Conditions for Selection of Metering Pumps

In order to get the most suitable metering pump, please detail as possible when ordering.

Specification for pumps

Pump type: mechanical diaphragm, hydraulic diaphragm, plunger, single cylinder, multi cylinder parallel, maximum

Maximum actual discharge pressure: Mpa

Material of overflow part: 304, 316, PVC, PTFE, ha C, etc

Adjustment mode: manual, electric, pneumatic, frequency

Equipped with ordinary or explosion-proof motor: equipped with explosion-proof motor, indicating explosion-

Power supply: three phase, single phase, voltage,

Description of liquid tdelivered by pump



A / motor

Ordinary motor

Explosion proof motor

Variable frequency motor

B / integrated "Oude" worm gear pair

Low noise, high transmission efficiency, low

energy consumption, large torque, low

maintenance cost and long service life.

E / built in safety valve

There is no outflow channel to reduce leakage points, prevent the pressure in the hydraulic chamber from being too high, and protect the metering pump from safe operation.

X / compensation valve

the hydraulic chamber are stable.

Ensure the oil quantity and oil pressure of

F / check valve

The metering accuracy of the group metering pump depends on the quality of the check valve, and the design of the check valve can meet the requirements of various working conditions. Ball valve, flat valve and cone valve can be selected; aviation corundum ball and hydrofluoric acid special ball can be selected.

I / alarm device

C / regulation mode

Manual, electric, pneumatic

Frequency conversion adjustment.



The patent design of the integral sleeve adjustable eccentric mechanism with patent for invention has the advantages of simple structure, high transmission efficiency, strong bearing capacity, stable and reliable operation, long service cycle and convenient maintenance; adjustment range: 0-100% stepless adjustment.

T / limit valve

The purpose of the limit valve is to prevent the hydraulic chamber from excessive oil supplement, avoid the excessive deformation of the diaphragm, and extend the service life of the diaphragm.

G / pump head

Superior cavity design, effective protection of diaphragm, ensure smooth passage of medium.

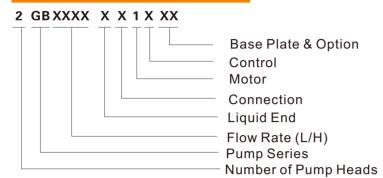
H / diaphragm

PTFE adopts multi-directional roller quenching treatment, which improves the toughness of diaphragm and prolongs the service life of diaphragm. Single diaphragm, double diaphragm and three diaphragm can be used.





Product Model



Number of Pump Heads

Single head not marked 2 two heads 3 three heads

Pump Series



GW Series Mechanical Diaphragm Metering Pump



D-JB Series



D-JXM Series Hydraulic Diaphragm Metering pump



GM&GB Series Mechanical Diaphragm Metering Pump





D Series Solenoid Metering Pump



GX&2GX Series Mechanical Diaphragm Metering Pump



D-JWM Series Hydraulic Diaphragm Metering Pump



Solenoid Metering Pump

F Inverter control



T Series

Flow Rate (L/H) Refer to the parameters of each series.

Liquid End P PVC

T PVDF/PTFE S Stainless Steel

Connection P NPT

Q Pipe (Hard tube) R Hose pipe (Soft tube) F Flange Motor Refer to the parameters of each series.

N Electric control

Control

M Manual adjustment

Base Plate N N/A (Standard Configuration) Y YES

Option

N N/A (Standard Configuration)

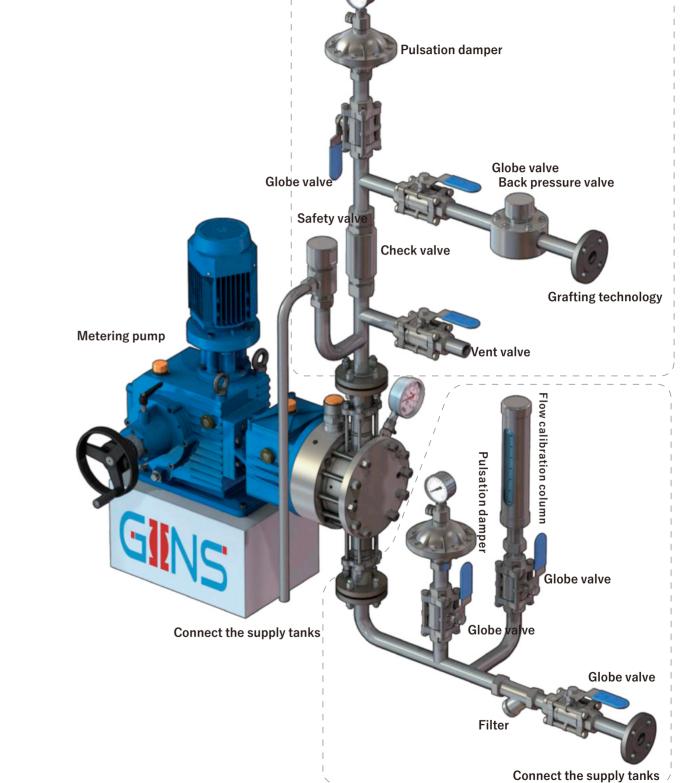
B Double Diaphragm With Pressure Gauge

Double Diaphragm With Pressure Gauge & Switch(With baseplate)

- A Stroke Counter transducer
- Double Diaphragm With Pressure Switch (With Baseplate)

X Special request

X Others, Consult with factory.



Typical Installation Drawings

Note: This drawing is a typical installation drawing of metering pump. The dotted line part is an accessory of metering pump. Customers can purchase another one according to the working condition



GW Series

Mechanical Metering Pump

Main Performance Parameters

Flow Range: 6.5-180L/H Pressure Range: 3-10Bar

Pump Head: PVC/PVDF/SS304 Valve Body: PVC/PVDF/SS304

Diaphragm: PTFE

Ball Valve: Oxidizing picks/SS304

Seals: FPM/EPDM Valve Seat: PTFE/SS304 Valve Spring: Hastelloy C-276



Environmental Temperature: -10°C~+45°C Power Supply: Single phase 220V, 3 phase 380V

Power Range: 40-120W

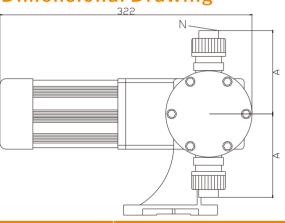
Connection Type: 1/2" F NPT, DN15 hard tube,

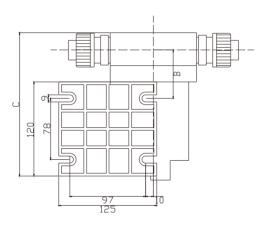
9. 52*12. 7 soft tube(GW6.5-GW40), 9*15(GW60-GW100)

Main Features

The housing is made of precision aluminium die-casting, with a durable and anti-corrosive sprayed surface. The product is beautiful and durable, easy to use, low maintenance costs and high safety performance.

Dimensional Drawing





GW6.5-GW40							GW6.5-GW180					
Pump Head Material	Porting	Α		C	N	Porting	Α		C	N		
PVC	R	98	61	183	12.7*9.5	Q	106	62	183	DN15		
PVDF	R	107	61	183	12*6	Р	108	62	183	1/2''		
316	Р	109	61	183	1/2"	Р	109	62	183	1/2"		

Performance

Model No.	Flow Rate(L/H)	Max Pressure(BAR)	Pump Speed	Head	Diaphragm Dia.	Motor(W)
GW6.5/1	6.5	10	27	4	65	40
GW12/1	12	10	54	4	65	40
GW24/1	24	10	93	4	65	40
GW32/0.8	32	8	108	4	65	40
GW40/0.6	40	8	135	4	65	60
GW60/0.6	60	8	108	4	84	60
GW100/0.5	100	5	135	5	84	90
GW120/0/4	120	4	180	4	84	90
GW150/0.4	150	4	180	5	84	90
GW180/0.3	180	3	180	6	84	120

GM GB Series

Mechanical Metering Pump

Main Performance Parameters

- •Flowrate up to 2000L/H
- •Pressure up to 12 bar
- •Suction lift: up to 3 m water
- •Maximum suction pressure: 2 bar
- •Accuracy: ± 2% of rated flow from 10% to 100% stroke
- •Maximum temperature of pumped liquid: 40°C

Main Features

Liquid End

- •Mechanical actuated diaphragm design
- •Eliminate contour plates, easy for material pass
- •PVC, PVDF & 316SS liquid end material
- High viscolity, slurry application
- •Self-cleaning suction/discharge check valve

Drive End

- •Variable eccentric drive mechanism for smooth sinusoidal flow
- •Rugged construction designed to withstand tough environments
- •Hard-wearing ball bearings to make pump work more stably
- •Oil bath lubrication for all of drive components
- ·Lockable micrometer stroke, adjustment can be adjusted while pump is running or stopped

Automatic Capacity Control Options

Electrical capacity controller: Accept external control signal to adjust the stroke length.

- •Power supply: 220V-50Hz, single phase
- •Input signal: 4-20mA analog signal
- •Output signal: 4-20mA/1-5V analog signal for record display and control system

Variable frequency controller: Accept external control signal to adjust the stroke speed

- •Power supply: 220V-50Hz, single phase / 380V-50Hz, three phase
- •Input signal: 4-20mA analog signal

ON/OFF control the three phase motor to adjust the flowrate

- •Power supply: 200-240V/50/60Hz, single phase
- •Input signal: 4-20mA analog signal / pulse signal / manual

Applications

Municipal, industrial water and wastewater, swimming pools and other water treatment process

Accessories

- •System accessories: filter, calibration column, pulsation dampener, safety valve and back pressure valve
- ·Safety valve is the necessary option.
- •GM002~GM0050 PVC/PVDF liquid end, pumps supplied with injection nozzle, foot valve, 6m hose, except for viscolity liquid end)

Standard Motor Characteristics

- •Power supply: 380V-50Hz, three phase/220V-50Hz, single phase
- •Enclosure of protection: Ip55
- •Insulation: class F
- •Other motor options: Explosion proof motor, 60Hz motor
- •All motors comply with the International Electrotechnical Association IEC standard



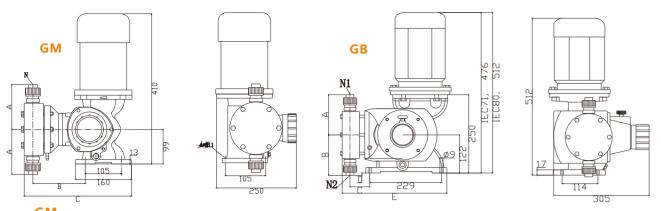






GM GB Parameters

Dimensional Drawing



GIVI											
Dimonsion		GM0	002-GM00!	50		GM0090-GM0500					
Dimension	Connection	Α	В	C	N	Connection	Α	В	C	N	
PVC	L	90	102	250	12.7*9.5	Q	129	150	307	DN15	
PVDF	R	99	102	250	12*7	Р	131	150	307	1/2''	
316	Р	101	102	250	1/2"	Р	127	150	307	1/2"	

GB										
Model	GB80-	GB450	GB50-GB600		GB700-	GB1200	GB1500		GB1800	
Dimension	Plastic	Metallic	Plastic	Metallic	Plastic	Metallic	Plastic	Metallic	Plastic	Metallic
Α	129	127	174	174	185	185	192	203	215	221
В	129	127	174	174	192	192	192	203	215	221
С	63	63	77	77	94	94	94	91	94	94
D	8	6	25	25	70	70	70	81	94	87
Е	334	334	358	358	375	375	375	380	375	380
N1	1/2"	1/2''	1"	1''	1''	1"	1-1/2''	1-1/2''	1-1/2''	1-1/2''
N2	1/2''	1/2''	1"	1''	1-1/2''	1-1/2''	1-1/2''	1-1/2''	1-1/2''	1-1/2''

Material of Liquid End

GM0002-GM0600

Liquid End	Valve Body	Valve Seat	Ball	Diaphragm	Seal	Connection
PVC	PVC	PTFE/PVDF	Ceramis	PTFE	EPM/EPDM/Viton	PVC
PTFE/PVDF	PVDF	PTFE/PVDF	Ceramis	PTFE	EPM/EPDM/Viton	PVDF
316SS	316SS	316SS	316SS	PTFE	EPM/EPDM/Viton	316SS

GB0080-GB1200

			020000 02.200			
Liquid End	Valve Body	Valve Seat	Ball	Diaphragm	Seal	Connection
PVC	PVC	PTFE/PVDF	Ceramis	PTFE	EPM/EPDM/Viton	PVC
PTFE/PVDF	PVDF	PTFE/PVDF	Ceramis	PTFE	EPM/EPDM/Viton	PVDF
316SS	316SS	316SS	316SS	PTFE	EPM/EPDM/Viton	316SS

GB1500-GB2000

Liquid End	Valve Body	Valve Cover	Valve Seat	Valve Plate	Spring	Diaphragm	Seal	Connection
PVC	PVC	PVC	PTFE/PVDF	PVC	Hastelloy C-276	PTFE	EPM/EPDM/Viton	PVC
PTFE	PVDF	PVDF	PTFE/PVDF	PVDF	Hastelloy C-276	PTFE	EPM/EPDM/Viton	PVDF
316SS	316SS	316SS	316SS	316SS	Hastelloy C-276	PTFE	EPM/EPDM/Viton	316SS

Performance

i citotillallo				
Model	Max Flow Rate(L/H)	Max Pressure(bar)	SPM(min-1)	Motor
GM0005	4.5		36	
GM0010	9	12	36	
GM0025	25		72	
GM0050	50	10	114	
GM0090	85		72	0.25
GM0120	115	7	72	0.37
GM0170	170	1	144	
GM0240	234		144	
GM0330	315		144	
GM0400	400	5	144	0.37
GM0500	500		180	0.57
GM0600	600	4	180	0.37 0.55
GB0080	80		36	
GB0180	167		72	
GB0250	237	10	102	
GB0350	334		144	0.25 •
GB0450	416		180	0.37
GB0500	464	7	144	0.57
GB0600	583	•	180	
GB0700	656	4	102	
GB0800	800	7	102	
GB1000	946	3.5	144	
GB1200	1200	5.5	180	0.75
GB1500	1500		180	1.1 •
GB1800	1800	3	206	
GB2000	2000		206	1.1

This power is used for three-phase constant speed motors.
 This power is used for single-phase, Ex, inverter motors.
 This power is used for single-phase, inverter motors.

Motor

Description(GM)	Description(GB)
0.25KW,IEC71,3-phase,380V,50HZ,1440rpm,IP55/F	0.55KW,IEC71,3-phase,380V,50HZ,1440rpm,IP55/F
0.37kw,IEC71,3-phase,inverter,Ex,380V,50HZ,1440rpm,IP55/F,dllBT4	0.75kw,IEC80,3-phase,inverter,Ex,380V,50HZ,1440rpm,IP55/F,dllBT4
0.37kw,IEC71,3-phase,Ex,380V,50HZ,1440rpm,IP55/F,dllBT4	0.55kw,IEC71,3-phase,Ex,380V,50HZ,1440rpm,IP55/F,dllBT4
0.37KW,IEC71,3-phase,380V,50HZ,1440rpm,IP55/F	0.75KW,IEC80,3-phase,380V,50HZ,1440rpm,IP55/F
0.37KW,IEC71,single-phase,220V,50HZ,1440rpm,IP55/F	0.75kw,IEC80,3-phase,Ex,380V,50HZ,1440rpm,IP55/F,dllBT4
0.25KW,IEC71,3-phase,inverter,380V,50HZ,1440rpm,IP55/F, IC416	0.55KW,IEC71,single-phase,220V,50HZ,1440rpm,IP55/F
0.37KW,IEC71,3-phase,inverter,380V,50HZ,1440rpm,IP55/F, IC416	0.75KW,IEC80,single-phase,220V,50HZ,1440rpm,IP55/F
0.25KW,IEC71,single-phase,220V,50HZ,1440rpm,IP55/F 0.5	55KW,IEC80,3-phase,380V,50HZ,1440rpm,IP55/F
Without motor, but with IEC71 connection and standard test	Without motor, but with IEC71 connection and standard test
	Without motor, but with IEC80 connection and standard test
Others, Consult with Factory	Others, Consult with Factory
	0.25KW,IEC71,3-phase,380V,50HZ,1440rpm,IP55/F 0.37kw,IEC71,3-phase,inverter,Ex,380V,50HZ,1440rpm,IP55/F,dIIBT4 0.37kw,IEC71,3-phase,Ex,380V,50HZ,1440rpm,IP55/F,dIIBT4 0.37KW,IEC71,3-phase,380V,50HZ,1440rpm,IP55/F 0.37KW,IEC71,single-phase,220V,50HZ,1440rpm,IP55/F 0.25KW,IEC71,3-phase,inverter,380V,50HZ,1440rpm,IP55/F, IC416 0.37KW,IEC71,3-phase,inverter,380V,50HZ,1440rpm,IP55/F, IC416 0.25KW,IEC71,single-phase,220V,50HZ,1440rpm,IP55/F 0.50 Without motor,but with IEC71 connection and standard test

Note: Single phase motor can't be used with Varipulse® controller.

Code	Description(CM)	GM0005-GM0050			GM0	0090-GM050	0	GM0600			
Code	Description(GM)	PVC	PTFE/PVDF	316SS	PVC	PTFE/PVDF	316SS	PVC	PTFE/PVDF	316SS	
Р	NPT	1/2"F	1/2"F	1/2"F	1/2"F	1/2"F	1/2"F	1″F	1"F	1'F	
Q	Pipe (Hard tube)	DN15			DN15			Dn25			
L	Hose pipe (Soft tube)	3/8*1/2			9*15						
F	Flange	DN15	DN15	DN15	DN15	DN15	DN15	DN25	DN25	DN25	

Code	Description(GB)	Gl	GB0080-GB0450			B0500-GB120	00	GB1500-GB2000		
Code	Code Description(GB)	PVC	PTFE/PVDF	316SS	PVC	PTFE/PVDF	316SS	PVC	PTFE/PVDF	316SS
Р	NPT	1/2"F	1/2"F	1/2"F	1"F	1"F	1"M	1-1/2"F	1-1/2"F	1-1/2"M
Q	Pipe (Hard tube)	DN15			DN25			DN40		
F	Flange	DN15	DN15	DN15	DN25	DN25	DN25	DN40	DN40	DN40





GX 2GX Series

Mechanical Metering Pump

Main Performance Parameters

Flow Rate: GX up to 3000L/H; 2GX up to 6000L/H

Pressure: up to 8Bar

Adjustment Range: 30%-100%.

Accuracy: ±1%

Suction Lift: up to 2.5M water

Maximum Environmental Temperature: 40 °C

Main Features

Drive End

Variable eccentric mechanism adjustment.

Ensures smooth flow pulsation with enhanced structural design.

Wear-resistant ball bearings for harsh operating environments.

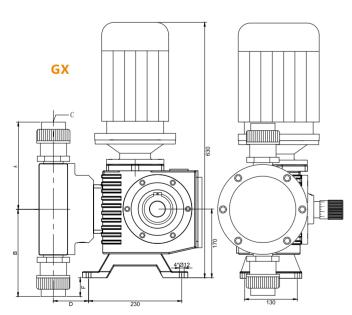
Oil bath lubrication for more stable operation.

Long operating life of drive components.

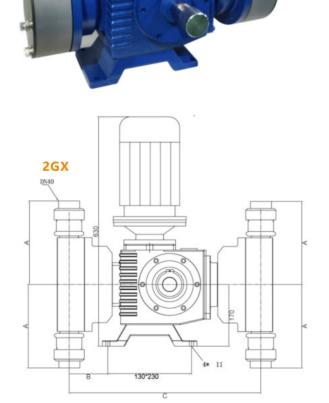
Flow rate adjustment in both shutdown and operating conditions.

Adjustment can be manual, electric or variable frequency.

Dimensional Drawing



Model	Α	В	С	D	F
GX0900	185	192	DN25	90	25
GX1350	192	192	DN40	90	25
GX1800	215	215	DN40	90	48
GX3000	227	227	DN40	100	60



Model	Α	В	C
2GX4000-6000P	215	91	526
2GX3500 below	227	106	496

Material of Liquid End

Liquid End	Valve Body	Valve Cover	Valve Seat	Valve Plate	Spring	Diaphragm	Seal	Connection
PVC	PVC	PVC	PTFE/PVDF	PVC	Hastelloy C-276	PTFE	EPM/EPDM/Viton	PVC
PTFE	PVDF	PVDF	PTFE/PVDF	PVDF	Hastelloy C-276	PTFE	EPM/EPDM/Viton	PVDF
316SS	316SS	316SS	316SS	316SS	Hastelloy C-276	PTFE	EPM/EPDM/Viton	316SS

Performance

Model	Max Flow Rate(L/H)	Max Pressure(Mpa)	SPM(min-1)	Motor(KW)	Weight(KG)	
GX0900	900	0.6(PVC/PTFE)	88			
GA0300	500	0.8(316SS)	00			
GX1350	1350	0.6(PVC/PTFE)	131		75±15	
GX1550	1550	0.8(316SS)	131			
GX1800	1800	0.6	176			
GX2300	2250	0.5	131	1.5		
GX3000	3000	0.3	176	1.5		
2GX2700	2700	0.6(PVC/PTFE)	131			
LONETOO	2700	0.8(316SS)			120±20	
2GX3600	3600	0.6	176			
2GX4600	4600	0.5	131			
2GX6000	6000	0.3	176			

Motor

Code	Description
1	3-phase,380V,50HZ,1440rpm,IP55/F
2	Single-phase,220V,50HZ,1440rpm,IP55/F
3	3-phase,Ex,380V,50HZ,1440rpm,IP55/F
4	3-phase,inverter,380V,50HZ,1440rpm,IP55/F□ IC416
5	Without motor, but with IEC90 connection and standard test
6	Others, Consult with Factory

Code Description		GX900			GX1350/1800/2100/2400		
Code	Description	PVC	PTFE	316SS	PVC	PTFE	316SS
Р	NPT	1"F	1"F	1"M	1-1/2'F	1-1/2'F	1-1/2'F
Q	Pipe (Hard tube)	DN25	~	~	~	~	~
F	Flange	DN25	DN25	DN25	DN40	DN40	DN40

D-JW Series

Plunger Metering Pump

Main Performance Parameters

Flow Rate: up to 200L/H Pressure: up to 40Mpa

Accuracy: ±1%

Suction Lift: up to 1.5M water

Overflow Liquid Temperature Range : -10 $^{\circ}$ C \sim 100 $^{\circ}$ C

Maximum Environmental Temperature: 40 °C

Main Features

Small pump head size and compact design.

High volumetric efficiency for high pressure environments.

Suitable for conveying fluid without solid particles.

Can convey high viscosity fluid and general corrosive fluid.

Not recommended when conveying corrosive slurry and flammable and explosive dangerous chemicals.

Adopt reliable double cam structure.

Suitable for a variety of harsh working conditions, low noise,

 $simple\ disassembly,\ easy\ maintenance.$

Easy to maintain with graphite tetrafluorocarbon brazed packing group structure so that the plunger pump has superior sealing and corrosion resistance.



Control

Power supply: 380V/three-phase, 220V/single-phase, 50HZ External control signal can be recieved to adjust the stroke speed, by installing frequency controller.

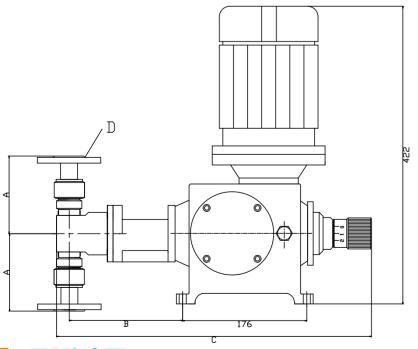
Input signal: 4-20mA analog signal switch controller.

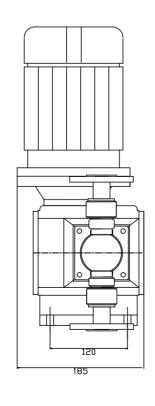
"On/Stop" button control the three-phase motor and adjust the output flow.

Application

Petroleum and chemical industry, electric power, metallurgy and other fields. Especially in the field of high precision, high pressure, high temperature outstanding performance.

Dimensional Drawing





Diameter of plunger	Ø6-Ø14	Ø16-Ø22	Ø25 - Ø30	Ø35 - Ø40
A	91	114	114	
В	159	162	167	
С	450	450	455	
D	DN10	DN15	DN15	DN20

Material of Liquid End

Liquid E	nd Pump Head	l Valve Body&Seat	t Ball	Plunger	Filler	Seal
30455	304SS	304SS	304SS	304+Ceramis	Graphite fib	er EPM/PVDF/EPDM/Viton
31655	316SS	316SS	316SS	316+Ceramis	Graphite fib	er EPM/PVDF/EPDM/Viton

Performance

Model	Max Flow rate(L/H)	Max Pressure(Mpa)	Diameter of plunger	SPM (min-1)	Stroke Length	Motor(KW)
D-JW2.5/40	2.4	40	6	93	15	0.55
D-JW3.2/32	3.2	32	6	93	20	0.55
D-JW5/25	5	25	8	93	20	0.55
D-JW6.3/20	6.5	20	8	144	15	0.55
D-JW8/20	8.7	20	10	93	20	0.55
D-JW10/20	10	20	10	144	15	0.55
D-JW13/16	13	16	10	144	20	0.55
D-JW15/12	15	12	12	144	15	0.55
D-JW20/12	19.5	12	12	144	20	0.55
D-JW26/10	26	10	13	144	20	0.55
D-JW32/6	30.5	6	15	144	20	0.55
D-JW40/4	40	4	20	144	15	0.55
D-JW50/3.2	49	3.2	22	144	15	0.55
D-JW63/2	65	2	22	144	20	0.55
D-JW84/1.6	84	1.6	25	144	20	0.55
D-JW100/1.2	105	1.2	28	144	20	0.55
D-JW125/1	125	1	30	144	20	0.55
D-JW160/0.8	166	0.8	35	144	20	0.55
D-JW200/0.6	217	0.6	40	144	20	0.55

Motor

Code	Descritpiton
1	3-phase,380V,50HZ,1440rpm,IP55/F
2	single-phase, 220 V, 50 HZ, 1440 rpm, IP55/F
3	3-phase,Ex,380V,50HZ,1440rpm,IP55/F
4	3-phase,inverter,380V,50HZ,1440rpm,IP55/F,IC416
5	Without motor, but with IEC71 connection and standard test
6	Without motor, but with IEC80 connection and standard test
7	Others, Consult with Factory

Note: Single phase motor can't be used with Varipulse® controller.

Code	Description	D-JW2.5/D-JW200
Р	NPT	1/2'F
F	Flange	DN15 Flange
K	Clamp Band	DN15

D-JB Series

Plunger Metering Pump

Main Performance Parameters

Flow Rate: up to 1000L/H Pressure: up to 36Mpa

Adjustment Range: 10%-100%.

Accuracy: ±1%

Suction Lift: up to 2.5M water

Overflow Liquid Temperature Range: -10 °C ~ 100 °C

Maximum Environmental Temperature: 40 °C

Main Features

Small pump head size and compact design.

Small pump head size with optimizable connections and plunger acting directly on the compressed fluid.

High volumetric efficiency, low transmission losses at high

Suitable for conveying fluid without solid particles.

Can convey high viscosity fluid and general corrosive fluid.

Not recommended when conveying corrosive slurry and

flammable and explosive dangerous chemicals.

Variable eccentric mechanism adjustment, to ensure the flow adjustment accuracy and the flow of gentle change.

Control

Power supply: 380V/three-phase, 220V/single-phase, 50HZ External control signal can be recieved to adjust the stroke speed, by installing frequency controller.

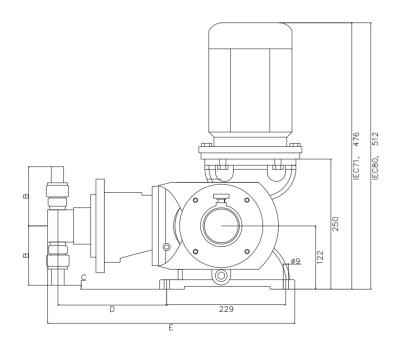
Input signal: 4-20mA analog signal switch controller.

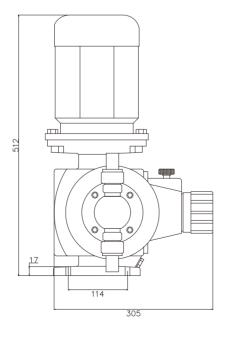
"On/Stop" button control the three-phase motor and adjust the

Application

Petroleum and chemical industry, electric power, metallurgy and other fields. Especially in the field of high precision, high pressure, high temperature outstanding performance.

Dimensional Drawing





304 PVC	DJB10-32	DJB40-120	DJB160-300	DJB350-360
В	91 78	115 88	146	150 127
С	28 44	7 34	-24	-28 -5
D	209	209	220	240
E	209	209	220	240
	DN10	DN15	DN20	DN25

Material of Liquid End

Liquid End	Pump Head	Valve Body&Seat	Ball	Plunger	Filler	Seal
304SS	304SS	304SS	304SS	304+Ceramis	Graphite fiber	EPM/PVDF/EPDM/Viton
316SS	316SS	316SS	316SS	316+Ceramis	Graphite fiber	EPM/PVDF/EPDM/Viton

Performance

Model	Max Flow rate(L/H)	Max Pressure(Mpa)	Diameter of plunger	SPM (min-1)	Stroke Length	Motor(KW)
D-JB10/25/36	10	25/36	10	144	16	0.55/0.75
D-JB15/17/25	15	17/25	12	144	16	0.55/0.75
D-JB25/11/16	25	11/16	16	144	16	0.55/0.75
D-JB32/7.8/11.3	32	7.8/11.3	18	144	16	0.55/0.75
D-JB40/6.3/9.2	39	6.3/9.2	20	144	16	0.55/0.75
D-JB60/4/5.9	60	4/5.9	25	144	16	0.55/0.75
D-JB90/2.8/4.1	90	2.8/4.1	30	144	16	0.55/0.75
D-JB120/2/3	120	2.2/3.1	35	144	16	0.55/0.75
D-JB160/1.6/2.3	160	1.6/2.3	40	144	16	0.55/0.75
D-JB200/1.2/1.8	200	1.2/1.8	45	144	16	0.55/0.75
D-JB250/1.5	250	1.5	50	144	16	0.75
D-JB300/1.2	300	1.2	55	144	16	0.75
D-JB350/1	350	1	60	144	16	0.75
D-JB420/0.9	420	0.9	65	144	16	0.75
D-JB500/0.8	500	0.8	70	144	16	0.75
D-JB580/0.6	580	0.6	75	144	16	0.75
D-JB660/0.5	660	0.5	80	144	16	0.75
D-JB750/0.4	750	0.4	85	144	16	0.75
D-JB820/0.4	820	0.4	90	144	16	0.75
D-JB1000/0.3	1000	0.3	90	180	16	1.1

Note: Single phase, inverter motor option 0.75KW

Motor

Code	Descritpiton
1	3-phase,380V,50HZ,1440rpm,IP55/F
2	single-phase,220V,50HZ,1440rpm,IP55/F
3	3-phase,Ex,380V,50HZ,1440rpm,IP55/F
4	3-phase,inverter,380V,50HZ,1440rpm,IP55/F,IC416
5	Without motor, but with IEC71 connection and standard test
6	Without motor, but with IEC80 connection and standard test
7	Others, Consult with Factory

Note: Single phase motor can't be used with Varipulse® controller.

Code	Description	D-JB10-420	D-JB500-1000
Р	NPT	1/2'F	1"M
F	Flange	DN15 Flange	DN25 Flange
K	Clamp Band	DN15	DN25





D-JX Series

Plunger Metering Pump

Main Performance Parameters

Flow Rate: up to 1200L/H Pressure: up to 50Mpa Adjustment Range: 10%-100%.

Accuracy: ±1%

Suction Lift: up to 2.5M water

Overflow Liquid Temperature Range : -10 $^{\circ}$ C \sim 100 $^{\circ}$ C

Maximum Environmental Temperature: 40 °C

Main Features

Small pump head size and compact design.

Small pump head size with optimizable connections and plunger acting directly on the compressed fluid.

High volumetric efficiency, low transmission losses at high pressures.

Suitable for conveying fluid without solid particles.

Can convey high viscosity fluid and general corrosive fluid.

Not recommended when conveying corrosive slurry and flammable and explosive dangerous chemicals.

Variable eccentric mechanism adjustment, to ensure the flow adjustment accuracy and the flow of gentle change.

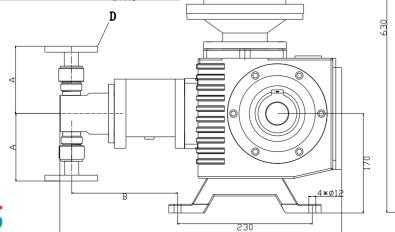
The "graphite fibre+styphon" multi-channel sealing structure is a combination of wear and corrosion resistance.

The styphon protects the graphite fibres while producing its own seal, greatly extending the packing life.

The patented graphite fibre packing set makes the plunger pump seal even better.

Dimensional Drawing

Diameter of plunger	Ø16 - Ø30	Ø30-Ø40
Α	119	140
В	181	181
C	482	487
D	DN15	DN15



Power supply: 380V/three-phase, 220V/single-phase, 50HZ

Control

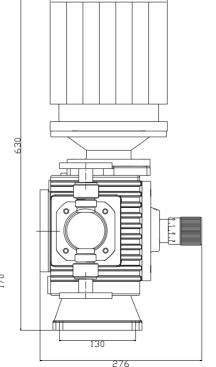
External control signal can be recieved to adjust the stroke speed, by installing frequency controller.

Input signal: 4-20mA analog signal switch controller.

"On/Stop" button control the three-phase motor and adjust the

Application

Petroleum and chemical industry, electric power, metallurgy and other fields. Especially in the field of high precision, high pressure, high temperature outstanding performance.



Material of Liquid End

Liquid End	Pump Head	Valve Body&Seat	Ball	Plunger	Filler	Seal
304SS	304SS	304SS	304SS	304+Ceramis	Graphite fiber	EPM/PVDF/EPDM/Viton
316SS	316SS	316SS	316SS	316+Ceramis	Graphite fiber	EPM/PVDF/EPDM/Viton

Performance

Model	Max Flow rate(L/H)	Max Pressure(Mpa)	Diameter of plunger	SPM (min-1)	Stroke Length	Motor(KW)
D-JX8/50	7	50	8	135	20	0.75
D-JX10/50	9	50	8	135	25	0.75
D-JX12/50	12	40	10	135	20	0.75
D-JX14/40	14	40	10	135	25	0.75
D-JX16/40	16	40	12	135	20	0.75
D-JX20/32	20	32	12	135	25	0.75
D-JX30/25	30	25	16	135	20	0.75
D-JX40/20	40	20	16	135	25	0.75
D-JX50/16	50	16	20	135	20	1.1
D-JX63/12.5	63	12.5	20	135	25	1.1
D-JX80/10	75	10	25	135	20	1.1
D-JX100/8.5	90	8.5	25	135	25	1.1
D-JX125/6.3	125	6.3	28	135	25	1.1
D-JX160/4.5	156	4.5	35	135	20	1.5
D-JX200/3.5	195	3.5	35	135	25	1.5
D-JX250/3	254	3	40	135	25	1.5
D-JX320/2.4	320	2.4	45	135	25	1.5
D-JX400/2.1	400	2.1	50	135	25	1.5
D-JX450/1.8	450	1.8	55	135	25	1.5
D-JX550/1.6	545	1.6	60	135	25	1.5
D-JX650/1.4	640	1.4	65	135	25	1.5
D-JX750/1.2	740	1.2	70	135	25	1.5
D-JX850/1.1	850	1.1	75	135	25	1.5
D-JX950/1	960	1	80	135	25	1.5
D-JX1100/0.7	1100	0.7	85	135	25	1.5
D-JX1200/0.5	1220	0.5	90	135	25	1.5
D-JX1400/0.5	1360	0.5	95	135	25	1.5
D-JX1500/0.5	1500	0.5	100	135	25	1.5

Motor

Code	Descritpiton
1	3-phase,380V,50HZ,1440rpm,IP55/F
2	single-phase,220V,50HZ,1440rpm,IP55/F
3	3-phase,Ex,380V,50HZ,1440rpm,IP55/F
4	3-phase,inverter,380V,50HZ,1440rpm,IP55/F,IC416
5	Without motor, but with IEC80 connection and standard test
6	Without motor, but with IEC90 connection and standard test
7	Others, Consult with Factory

Note: Single phase motor can't be used with Varipulse® controller.

Code	Description	D-JX8-250	D-JX320-450	D-JX550-850	D-JX950-1500
Р	NPT	1/2″F	1/2″F	1'M	1-1/2'M
F	Flange	DN15 Flange	DN20 Flange	DN25 Flange	DN40 Flange
K	Clamp Band	DN15	DN20	DN25	DN40

D-JWM Series

Hydraulic Diaphragm Metering Pump

Main Performance Parameters

Flow Rate: up to 200L/H Pressure: up to 25Mpa Adjustment Range: 10%-100%. Suction Lift: up to 1.5M water

Overflow Liquid Temperature Range: -10 °C ~ 100 °C

Maximum Environmental Temperature: 40 °C

Altitude: up to 1000m

Main Features

The worm gear structure is used to reduce speed, ensuring continuous and stable operation of the mechanical drive parts. The use of oil bath lubrication makes for a long working life of the drive components.

The worm gear and offset are integrated to ensure precise stroke distances and also facilitate disassembly for maintenance. Robust and compact design is better sealing than plunger pumps. The built-in limit fill valve is to ensure balanced replenishment of the hydraulic oil.

The built-in adjustable safety valve protects the liquid end components from diaphragm rupture and other component damage caused by excessive pressure in the hydraulic chamber.

When conveying corrosive slurries and flammable and explosive hazardous chemicals, a double diaphragm rupture alarm device is



Control

Power supply: 380V/three-phase, 220V/single-phase,220V/three phase, 50HZ/60HZ

External control signal can be recieved to adjust the stroke speed, by installing frequency controller.

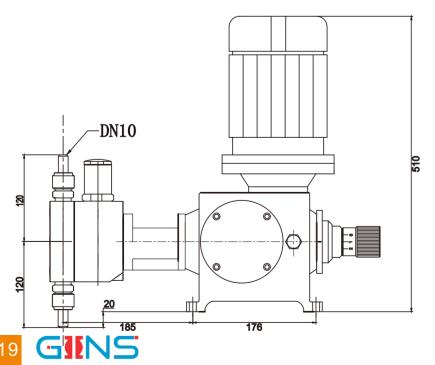
Input signal: 4-20mA analog signal switch controller.

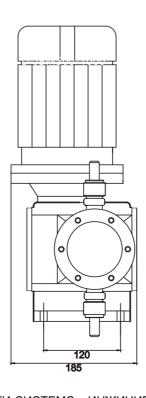
"On/Stop" button control the three-phase motor and adjust the output flow.

Application

Environmental protection, petrochemical, oil refining, power, metallurgy, medicine, food, water treatment, etc. Especially in the field of high precision, high pressure, high temperature, etc.

Dimensional Drawing





Material of Liquid End

	Liquid End	Pump Head	Valve Body&Sea	t Ball	Plunger	Filler	Seal
	•		,		3		2.0
_	304SS	304SS	304SS	304SS	304+Ceramis	Graphite fiber	EPM/4F/PVDF/EPDM/Viton
	316SS	316SS	316SS	316SS	304+Ceramis	Graphite fiber	EPM/4F/PVDF/EPDM/Vitor
-	PVC	PVC	PVC	Ovidation pid	70.4 Caramia	Cranhita fibar	FDM/FDDM/A/itop
_	PVC	PVC	PVC	Oxidation pick	s 304+Ceramis	Graphite fiber	EPM/EPDM/Viton
	PVDF	PVDF	PVDF	Oxidation pick	s 304+Ceramis	Graphite fiber	EPM/EPDM/Viton

Performance

Model	Max Flow rate(L/H)	Max Pressure(Mpa)	Diameter of plunger	SPM (min-1)	Stroke Length	Motor(KW)
D-JWM5/25	5	25	8	93	20	0.55
D-JWM8/20	8	20	10	93	20	0.55
D-JWM10/20	10	20	10	144	15	0.55
D-JWM12/16	12	16	10	144	20	0.55
D-JWM15/12.5	15	12.5	12	144	15	0.55
D-JWM20/12.5	20	12.5	12	144	20	0.55
D-JWM26/10	26	10	14	144	20	0.55
D-JWM32/6.3	32	6.3	15	144	20	0.55
D-JWM40/4	40	4	20	144	15	0.55
D-JWM50/3.2	50	3.2	22	144	15	0.55
D-JWM63/2	63	2	22	144	20	0.55
D-JWM84/1.6	84	1.6	25	144	20	0.55
D-JWM100/1.2	105	1.2	28	144	20	0.55
D-JWM125/1	122	1	30	144	20	0.55
D-JWM160/0.8	166	0.8	35	144	20	0.55
D-JWM200/0.63	217	0.63	40	144	20	0.55

Motor

Code	Descritpiton
1	3-phase,380V,50HZ,1440rpm,IP55/F
2	single-phase,220V,50HZ,1440rpm,IP55/F
3	3-phase,Ex,380V,50HZ,1440rpm,IP55/F
4	3-phase,inverter,380V,50HZ,1440rpm,IP55/F,IC416
5	Without motor, but with IEC70 connection and standard test
6	Without motor, but with IEC80 connection and standard test
7	Others, Consult with Factory

Note: Single phase motor can't be used with Varipulse® controller.

Code	Description	D-JWM5/D-JWM200
Р	NPT	1/2'F
F	Flange	DN15 Flange

D-JBM Series

Hydraulic Diaphragm Metering Pump

Main Performance Parameters

Flow Rate: up to 1000L/H Pressure: up to 25Mpa Adjustment Range: 10%-100%.

Accuracy: ±1%

Suction Lift: up to 1.5M water

Overflow Liquid Temperature Range : -10 $^{\circ}$ C \sim 100 $^{\circ}$ C

Maximum Environmental Temperature: 40 °C

Main Features

The worm gear structure is used to reduce speed, ensuring continuous and stable operation of the mechanical drive parts. The use of oil bath lubrication makes for a long working life of the

drive components. The worm gear and offset are integrated to ensure precise stroke distances and also facilitate disassembly for maintenance. Robust and compact design is better sealing than plunger pumps.

The built-in limit fill valve is to ensure balanced replenishment of the hydraulic oil.

The built-in adjustable safety valve protects the liquid end components from diaphragm rupture and other component damage caused by excessive pressure in the hydraulic chamber.

When conveying corrosive slurries and flammable and explosive hazardous chemicals, a double diaphragm rupture alarm device is



Control

Power supply: 380V/three-phase, 220V/single-phase,220V/three phase, 50HZ/60HZ

External control signal can be recieved to adjust the stroke speed, by installing frequency controller.

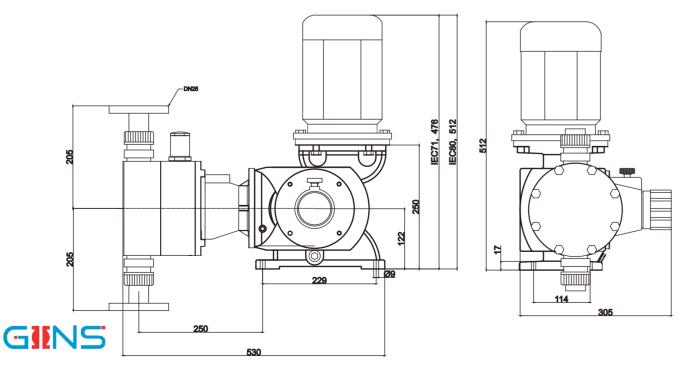
Input signal: 4-20mA analog signal switch controller.

"On/Stop" button control the three-phase motor and adjust the output flow.

Application

Environmental protection, petrochemical, oil refining, power, metallurgy, medicine, food, water treatment, etc. Especially in the field of high precision, high pressure, high temperature, etc.

Dimensional Drawing



Material of Liquid End

Liquid End	Pump Head	Valve Body&Seat	t Ball	Plunger	Filler	Seal
304SS	304SS	304SS	304SS	304+Ceramis	Graphite fiber	EPM/4F/PVDF/EPDM/Viton
316SS	316SS	316SS	316SS	304+Ceramis	Graphite fiber	EPM/4F/PVDF/EPDM/Viton
PVC	PVC	PVC	Oxidation picks	304+Ceramis	Graphite fiber	EPM/EPDM/Viton
PVDF	PVDF	PVDF	Oxidation picks	304+Ceramis	Graphite fiber	EPM/EPDM/Viton

Performance

Model	Max Flow rate(L/H)	Max Pressure(Mpa)	Diameter of plunger	SPM (min-1)	Stroke Length	Motor(KW)
D-JBM15/17/25	14	17/25	12	144	16	0.55/0.75
D-JBM25/11/16	25	11/16	16	144	16	0.55/0.75
D-JBM32/7.8/11.3	32	7.8/11.3	18	144	16	0.55/0.75
D-JBM40/6.3/9.2	39	6.3/9.2	20	144	16	0.55/0.75
D-JBM60/4/5.9	60	4/5.9	25	144	16	0.55/0.75
D-JBM90/2.8/4.1	90	2.8/4.1	30	144	16	0.55/0.75
D-JBM120/2/3	120	2.1/3.1	35	144	16	0.55/0.75
D-JBM160/1.6/2.3	155	1.6/2.3	40	144	16	0.55/0.75
D-JBM200/1.2/1.8	200	1.2/1.8	45	144	16	0.55/0.75
D-JBM250/1/1.5	250	1/1.5	50	144	16	0.55/0.75
D-JBM300/0.8/1.2	300	0.8/1.2	55	144	16	0.55/0.75
D-JBM350/0.7/1	350	0.7/1	60	144	16	0.55/0.75
D-JBM420/0.6/0.9	410	0.6/0.9	65	144	16	0.55/0.75
D-JBM500/0.8	500	0.8	70	144	16	0.75
D-JBM580/0.6	580	0.6	75	144	16	0.75
D-JBM660/0.5	660	0.5	80	144	16	0.75
D-JBM750/0.4	740	0.4	85	144	16	0.75
D-JBM850/0.35	830	0.35	90	144	16	0.75
D-JBM1000/0.35	1000	0.35	90	180	16	0.75

Motor

Code	Descritpiton
1	3-phase,380V,50HZ,1440rpm,IP55/F
2	single-phase,220V,50HZ,1440rpm,IP55/F
3	3-phase,Ex,380V,50HZ,1440rpm,IP55/F
4	3-phase,inverter,380V,50HZ,1440rpm,IP55/F,IC416
5	Without motor, but with IEC70 connection and standard test
6	Without motor, but with IEC80 connection and standard test
7	Others, Consult with Factory

Note: Single phase motor can't be used with Varipulse® controller.

Code	Description	D-JBM10-420	D-JBM500-1000
Р	NPT	1/2'F	1"M
F	Flange	DN15 Flange	DN25 Flange

D-JXM Series

Hydraulic Diaphragm Metering Pump

Main Performance Parameters

Flow Rate: up to 1500L/H Pressure: up to 25Mpa Adjustment Range: 10%-100%.

Accuracy: ±1%

Suction Lift: up to 1.5M water

Overflow Liquid Temperature Range : -10 $^{\circ}$ C \sim 100 $^{\circ}$ C

Maximum Environmental Temperature: 40 °C

Main Features

The worm gear structure is used to reduce speed, ensuring continuous and stable operation of the mechanical drive parts. The use of oil bath lubrication makes for a long working life of the drive components.

The worm gear and offset are integrated to ensure precise stroke distances and also facilitate disassembly for maintenance. Robust and compact design is better sealing than plunger pumps. The built-in limit fill valve is to ensure balanced replenishment of the hydraulic oil.

The built-in adjustable safety valve protects the liquid end components from diaphragm rupture and other component damage caused by excessive pressure in the hydraulic chamber.

When conveying corrosive slurries and flammable and explosive hazardous chemicals, a double diaphragm rupture alarm device is



Control

Power supply: 380V/three-phase, 220V/single-phase,220V/three phase, 50HZ/60HZ

External control signal can be recieved to adjust the stroke speed, by installing frequency controller.

Input signal: 4-20mA analog signal switch controller.

"On/Stop" button control the three-phase motor and adjust the output flow.

Application

Environmental protection, petrochemical, oil refining, power, metallurgy, medicine, food, water treatment, etc. Especially in the field of high precision, high pressure, high temperature, etc.

Material of Liquid End

Liquid End	Pump Head	Valve Body&Sea	t Ball	Plunger	Filler	Seal
304SS	304SS	304SS	304SS	304+Ceramis	Graphite fiber	EPM/4F/PVDF/EPDM/Viton
316SS	316SS	316SS	316SS	304+Ceramis	Graphite fiber	EPM/4F/PVDF/EPDM/Viton
PVC	PVC	PVC	Oxidation picks	s 304+Ceramis	Graphite fiber	EPM/EPDM/Viton
PVDF	PVDF	PVDF	Oxidation picks	s 304+Ceramis	Graphite fiber	EPM/EPDM/Viton

Performance

Model	Max Flow rate(L/H)	Max Pressure(Mpa)) Diameter of plunger	SPM (min-1)	Stroke Length	Motor(KW)
D-JXM30/25	28	25	16	135	20	0.75
D-JXM40/20	36	20	16	135	25	0.75
D-JXM50/16	50	16	20	135	20	1.1
D-JXM63/12.5	63	12.5	20	135	25	1.1
D-JXM80/10	72	10	25	135	20	1.1
D-JXM100/8.5	90	8.5	25	135	25	1.1
D-JXM125/6.3	125	6.3	28	135	25	1.1
D-JXM160/4.5	156	4.5	35	135	20	1.5
D-JXM200/3.5	195	4.5	35	135	25	1.5
D-JXM250/3	254	3	40	135	25	1.5
D-JXM320/2.4	320	2.4	45	135	25	1.5
D-JXM400/2.1	400	2.1	50	135	25	1.5
D-JXM450/1.8	456	1.8	55	135	25	1.5
D-JXM550/1.6	545	1.6	60	135	25	1.5
D-JXM650/1.4	638	1.4	65	135	25	1.5
D-JXM750/1.2	739	1.2	70	135	25	1.5
D-JXM850/1.1	850	1.1	75	135	25	1.5
D-JXM950/0.9	960	0.9	80	135	25	1.5
D-JXM1100/0.7	1091	0.7	85	135	25	1.5
D-JXM1200/0.5	1220	0.5	90	135	25	1.5
D-JXM1400/0.5	1360	0.5	95	135	25	1.5
D-JXM1500/0.5	1500	0.5	100	135	25	1.5

Motor

Code	Descritpiton			
1	3-phase,380V,50HZ,1440rpm,IP55/F			
2	single-phase,220V,50HZ,1440rpm,IP55/F			
3	3-phase,Ex,380V,50HZ,1440rpm,IP55/F			
4	3-phase,inverter,380V,50HZ,1440rpm,IP55/F,IC416			
5	Without motor, but with IEC70 connection and standard test			
6	Without motor, but with IEC80 connection and standard test			
7	Others, Consult with Factory			

Note: Single phase motor can't be used with Varipulse® controller.

Code	Description	D-JXM30-250	D-JXM320-850	D-JXM950-1500
Р	NPT	1/2'F	1"M	1-1/2'M
F	Flange	DN15 Flange	DN25 Flange	DN40 Flange





D Series

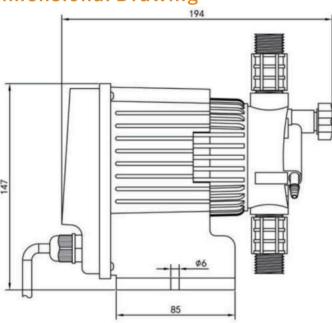
Solenoid Metering Pump

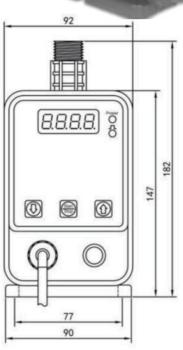
Main Features

Dedicated housing plastic material, high strength and corrosion resistant. LED digital display, intuitive and convenient to use.

Valve seat made of PTFE precision machining, corrosion resistant. Simple structure design, economic price.

Dimensional Drawing





Material of Liquid End

Liquic	d Ends Mat	erial
Component	Standard	Optional
Pump Head	PP	1
Diaphragm	PTFE	1
Valve Body	PP	1
Valve Ball	Ceramics	PTFE
Valve Seat	PTFE	1
Valve Spring	Hastelloy	1

Performance

Techical Data					
Model	Pressure (Bar)	Flow (L/H)	Power (W)	Connection Size	
D0701	7	1	24	6 * 4 mm	
D0702	7	2	24	6 * 4 mm	
D0703	7	3	24	6 * 4 mm	
D0704	7	4	24	6 * 4 mm	
D0506	5	6	24	6 * 4 mm	
D0309	3	9	24	6 * 4 mm	
D0211	1.5	11	24	6 * 4 mm	

DPlus Series

Solenoid Metering Pump

Main Features

Dedicated housing plastic material, high strength and corrosion resistant.

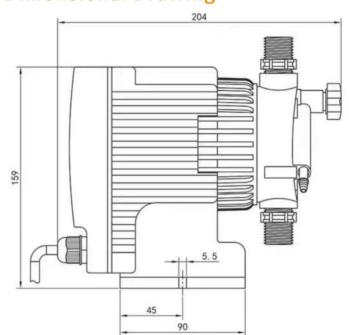
LED digital display, intuitive and convenient to use.

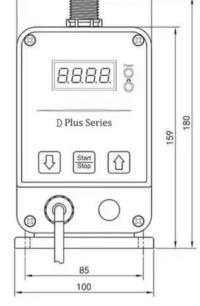
Valve seat made of PTFE precision machining, corrosion resistant.

Simple structure design, economic price.

The valve spring is made of Hastelloy C276.

Dimensional Drawing





D Plus Series

Material of Liquid End

Liquio	d Ends Mat	erial
Component	Standard	Optional
Pump Head	PP	/
Diaphragm	PTFE	/
Valve Body	PP	1
Valve Ball	Ceramics	PTFE
Valve Seat	PTFE	1
Valve Spring	Hastelloy	/
Seals	FPM	EPDM

Performance

Techical Data							
Model	Pressure (Bar)	Flow (L/H)	Power (W)	Connection Size			
D Plus 0408	3.5	8	40	6 * 4 mm			
D Plus 0412	3.5	12	40	6 * 4 mm			
D Plus 0315	2.5	15	40	6 * 4 mm			
D Plus 0220	1.5	20	40	6 * 4 mm			
D Plus 0709	7	9	50	6 * 4 mm			
D Plus 0712	7	12	50	3/8 * 1/4* mm			
D Plus 0515	5	15	50	3/8 * 1/4* mm			
D Plus 0320	3	20	50	3/8 * 1/4* mm			

T Series

Solenoid Metering Pump

Main Features

The housing is made of PPO, high strength, ageing resistant and long life.

One-way valve adopts double ball structure, the valve seat is made of PTFE precision machining, more corrosion-resistant.

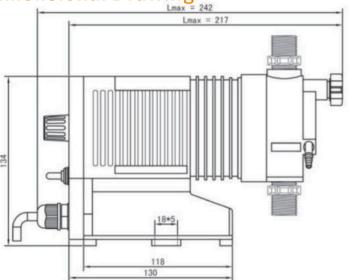
The solenoid is made of pure electrical iron, which is difficult to process and has a greater service force.

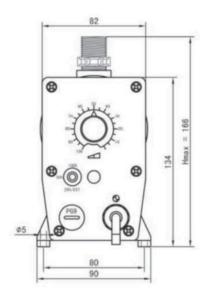
The junction is made of high temperature resistant enamelled wire from the well-known crystal brand, with a long life span.

All components on the PCB board are made of well-known brand, which guarantees higher quality.

Dual adjustment design of stroke stiffness and frequency, with diversified flow adjustment options.

Dimensional Drawing





Material of Liquid End

Liquid Ends Material

Liquid Lilus material						
Component	Standard	Optional				
Pump Head	PP	1				
Diaphragm	PTFE	/				
Valve Body	PP	/				
Valve Ball	Ceramics	PTFE				
Valve Seat	PTFE	1				
Valve Spring	Hastelloy	1				
Seals	FPM	EPDM				

GIINS

Performance

Techical Data							
Model	Pressure (Bar)	Flow (L/H)	Power (W)	Connection Size			
T1600	16	0.4	12	6 * 4 mm			
T1601	16	0.6	12	6 * 4 mm			
T1602	16	0.8	16	6 * 4 mm			
T1200	12	0.6	12	6 * 4 mm			
T1201	12	0.8	16	6 * 4 mm			
T1202	12	1.2	24	6 * 4 mm			
T0803	8	3	12	3/8 * 1/4* mm			
T0804	8	4	16	3/8 * 1/4* mm			
T0806	8	6	24	3/8 * 1/4* mm			
T0306	3	5.5	12	3/8 * 1/4* mm			
T0308	3	7.3	16	3/8 * 1/4* mm			
T0311	3	11	24	3/8 * 1/4* mm			
T0211	1.5	11	12	3/8 * 1/4* mm			
T0215	1.5	14.5	16	3/8 * 1/4* mm			
T0222	1.5	22	24	3/8 * 1/4* mm			

Accessories

Metering Pump











Safety valve: When the pressure of system and pipeline is too high, it can release pressure in time, protect pump and recover liquid. It is also used as pressure relief valve.

Common materials: PVC, 304, 316, PTFE Common bore: DN10 DN15 DN25 DN32 DN40 **Back pressure valve:** It can maintain the required pressure of the pipeline in the condition of reducing or unstable pressure of the equipment vessel, so that the pump can normally output flow.

Common materials: PVC, 304, 316, PTFE Common bore: DN10 DN15 DN25 DN32 DN40









Pulse dampers: reduce pulsations generated by the operation of the metering pump by 95% and are generally installed on the outlet line and close to the metering pump.

Common materials: PVC, 304, 316, PTFE Common bore: DN10 DN15 DN25 DN32 DN40 **Y filter:** It can filter impurities in the medium and protect the metering pump. It is usually installed on the inlet pipeline near the metering pump.

Common materials: PVC, 304, 316, PTFE Common bore: DN10 DN15 DN25 DN32 Dn40







Pump Head

Diaphragm

3/8 * 1/4* mm 3/8 * 1/4* mm