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2026.09.03



METERING PUMP

Product Catalog



GUANGDONG QEEHUA INDUSTRY EQUIPMENT CO., LTD.



ABOUT QEEHUA

Guangdong Qeehua Industrial Equipment Co., Ltd. was founded in Dongguan, Guangdong Province in 2010. It is a national high-tech enterprise based on the R&D and manufacturing of corrosion-resistant chemical pumps, high and low temperature chemical pumps and electroplating filters, and masters the core technology of magnetic pumps. Qeehua has been deeply engaged in PCB, electroplating, coating, environmental protection, chemical industry, new energy, semiconductors, pharmaceuticals and other fields globally. Its products have the advantages of high reliability, long service life, high efficiency and energy saving, and have become a first-line brand for domestic chemical pump import substitution.

Fifteen years ago, Qeehua started with acid and alkali resistant chemical pumps for PCB. Now it is an excellent supplier of Samsung (Korea), Suzhou Chuangfeng, Shenlian Circuit, Shenglian Electronics, and Shengyi Technology. It can provide one-stop chemical pump solutions for PCB horizontal lines, VCP lines, etching, electroplating, central dosing, copper recovery, wastewater and exhaust gas and other process sections. In 2025, the annual shipment of Qeehua magnetic pumps in the PCB industry exceeded 10,000 units, and the number of permanent magnet pump energy-saving renovation projects ranked among the top in the industry.

Qeehua Group has laid out a lean production base (about 10,000 square meters) for chemical pumps and electroplating filters in Houjie, Dongguan, and has successively established Dongguan Ever Popular Import and Export Co., Ltd., Jiangxi Qeehua Fluid Technology Co., Ltd., Suzhou Qeehua Pump Industry Co., Ltd., and Chengdu Qeehua Fluid Technology Co., Ltd., which can provide 4-24 hours on-site service nationwide.

As of December 2024, Qeehua has obtained more than 60 patents, including 2 core invention patents for magnetic pumps. The company's ISO9001 quality management system is perfect, the R&D system is mature, and it has exported to more than 50 countries around the world. It is a qualified supplier and the only designated Chinese brand of SMIC and Samsung (Korea).

Qeehua will always uphold the vision of "being an expert in the chemical pump industry and a model of corporate happiness", practice the great mission of "making the world fall in love with Chinese pumps", and make unremitting efforts to become a world-class chemical pump brand as soon as possible.



GUANGDONG QEEHUA INDUSTRY EQUIPMENT CO., LTD.



About 80,000 units/year
(Chemical pump output)



About 10,000 units/year
(Electroplating filter/filter)



About 35,000 sets/year
(Valve annual output)



About 25,000 units/year
(Instrument annual output)

As of 08.2024 Qeehua financial data



QUALIFICATIONS & PATENTS



ISO9001

Intellectual Property (IP)

CE Certification



CORE INVENTION PATENT OF MAGNETIC PUMPS



High-Tech Enterprise



Has Obtained Over 60 Patents



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METERING PUMPS

Precise Dosing, Reliable Performance



ELECTROMAGNETIC METERING PUMP

- 1. The pump head module, drive module, and control circuit module are physically separated to ensure excellent heat dissipation and eliminate mutual interference, improving overall system reliability.
- 2. The coil is fully encapsulated and integrally molded, with a built-in thermal protection sensor to prevent coil failure caused by vibration, friction, overheating, or aging, ensuring long-term stable operation.
- 3. Imported composite diaphragm materials combined with a diaphragm back-up support structure provide greater flexibility, improved metering accuracy, and extended service life.
- 4. The entire product range features a wide-voltage design, making it suitable for various power supply standards worldwide and an ideal choice for OEM equipment integration.
- 5. With a maximum stroke frequency of up to 360 spm, the pump delivers stable operation with reduced vibration and lower pulsation, ensuring more accurate dosing and suitability for a wide range of applications.
- 6. The pump head and wetted-end components are manufactured from carefully selected high-quality materials, providing superior chemical resistance and enhanced product quality.
- 7. The whole series are equipped with a stroke adjustment knob, allowing precise adjustment of the displacement per stroke to meet different dosing requirements.
- 8. Optimized drive design ensures quiet operation, contributing to a more environmentally friendly and comfortable working environment.
- 9. A wider range of diaphragm and pump head configurations is available to minimize flow fluctuations caused by changes in discharge pressure, ensuring stable and accurate dosing performance.



SERIES

The company has a wide range of pump models with various flow capacities. Users could choose the appropriate series, models and pump head material according to specific applications, dosing demands, and control modes.



EZ Series

Manual Knob Control

- Stroke frequency adjustment via rotary knob
- Adjustable stroke length for precise flow control



EP Series

Manual Keypad Control

- LED display of operating frequency
- Stroke frequency adjustment via keypad
- Adjustable stroke length for precise flow control



ET Series

Pulse Signal Control

- One-touch priming at maximum stroke frequency for rapid air purging
- Adjustable stroke length for precise flow control
- Automatic Mode: Proportional dosing based on incoming active pulse signals



EH Series

Manual / Automatic Operation

- LCD display with manual/automatic mode selection
- Adjustable stroke length for precise flow control
- Manual Mode: Pump output is controlled according to the selected stroke frequency
- Automatic Mode: Proportional dosing via external dry-contact pulse signals and external STOP control



EN Series

Manual / Automatic Operation

- LCD display with manual/automatic mode selection
- Adjustable stroke length for precise flow control
- Manual Mode: Dosing output is controlled according to the selected stroke frequency
- Automatic Mode: Proportional dosing via 4-20 mA analog input, with external STOP input capability



ED Series

Manual / Automatic Operation

- LCD display with manual/automatic mode selection
- Adjustable stroke length for precise flow control
- Manual Mode: Dosing output is controlled according to the selected stroke frequency
- Automatic Mode: Proportional dosing via RS485 communication, with external STOP input capability

PARAMETER SELECTION

Model	Unit	0 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar	7 bar	8 bar	9 bar	10 bar	11 bar
B10	L/h	5.34	3.42	3.36	3.27	3.18	3.06	3	2.88	2.7	2.52	2.28	1.95
B15	L/h	6.28	5.46	5.34	5.22	4.98	4.74	4.5	4.32	3.66	/	/	/
B20	L/h	8.34	6.84	6.6	6.18	6	5.85	5.82	/	/	/	/	/
B30	L/h	14.46	13.08	12.12	10.8	/	/	/	/	/	/	/	/
C15	L/h	8.64	6.6	6.54	6.48	6.24	6.07	5.82	5.64	5.52	5.04	4.86	/
C20	L/h	14.64	8.76	8.7	8.64	8.52	8.22	8.04	7.8	7.62	7.38	7.02	5.64
C30	L/h	23.52	18.42	17.76	17.04	16.35	12.84	/	/	/	/	/	/
C35	L/h	27.48	26.06	24.18	22.12	/	/	/	/	/	/	/	/

MODEL SELECTION

Series		
EZ	Manual Type	Manual adjustment for simple and cost-effective operation.
EP	Manual Type	LED display with keypad adjustment for convenient and accurate operation.
ET	Pulse Type	5-24 V pulse signal control for economical automated dosing.
EH	LCD Display with Liquid Level Detection	Supports both manual and automatic operation with pulse signal input.
EN		Supports both manual and automatic operation with 4-20 mA analog input.
ED		Supports manual operation or RS485 communication control.

Model	Pressure (bar)	Flow (L/h)	Stroke Volume (mL/stroke)	Stroke Frequency (spm)	Power (W)	Exhaust Valve
B10	10	2.28	0.05~0.11	360	20	o
B15	7	3.9	0.09~0.18	360	20	o
B20	4	5.7	0.13~0.26	360	20	o
B30	2	12	0.28~0.56	360	20	x
C15	10	4.8	0.09~0.22	360	24	o
C20	7	7.8	0.14~0.36	360	24	o
C30	3.5	16.2	0.3~0.75	360	24	x
C35	2	24	0.44~1.11	360	24	x

Wetted-End Materials	Pump Head	Valve Ball	Valve Seat	Valve Guide	Gasket	O-Ring	Diaphragm	Suitable Chemicals
VC	PVC	CERAMIC	FKM	PVC	PTFE	FKM	PTFE+EPDM(EPDM not in contact with the process fluid)	Acid Agentia
VH	PVC	CERAMIC	EPDM	PVC	PTFE	EPDM	PTFE+EPDM(EPDM not in contact with the process fluid)	Alkaline Agentia
DF	PVDF	CERAMIC	PTFE	PVDF	PTFE	PTFE	PTFE+EPDM(EPDM not in contact with the process fluid)	Strong Acid
SU	SU316	SU316	SU316	SU316	PTFE	PTFE	PTFE+EPDM(EPDM not in contact with the process fluid)	High Temperature
FR	PVDF	CERAMIC	PVDF	PVDF	/	FKM / EPDM	PTFE+EPDM(EPDM not in contact with the process fluid)	Strong Acid

FR is PVDF wetted-end models equipped with an integrated air-release (vent) valve.

Voltage Code	
W	Wide Voltage AC 100 ~ 240 V, 50 Hz/60 Hz

Code	Connection Size (ID x OD)	Compatible Model	Pump Head Material
1	4 x 9 mm, (PVC Reinforced Hose 3 m)	B10/15/20	PVC/PVDF
2	8 x 13 mm, (PVC Reinforced Hose 3 m)	B30 & C30/35	PVC
3	4 x 6 mm, (PTFE/PE/POE Hose 3 m)	B10/15/20 & C15/20	PVC/PVDF
4	8 x 12 mm, (PE/POE Hose 3 m)	B30 & C30/35	PVDF

* Hose material and size will be configured according to specific conditions.

S/N: Standard/Non-Standard

EZ - B10 - VC - W - 1 - S

EX-B Series Digital Metering Pump



CORE ADVANTAGES

Precision · Stability · Durability · Reliability

- 1. Stepper motor driven, with metering accuracy up to ±1%.
- 2. PVDF pump head and PTFE diaphragm for excellent corrosion resistance.
- 3. IP65 protection rating for reliable operation in harsh environments.
- 4. Wide-voltage power supply design for worldwide power grid compatibility.

Intelligent Control · Versatile Adaptability

- 1. Visual display for real-time monitoring of dosing status.
- 2. Built-in intelligent flow calibration system enables automatic calibration by simply entering the measured flow value.
- 3. Tri-color LED indicators make operating status visible at a glance.
- 4. Supports 4-20 mA analog input, passive pulse input, and RS485 communication, with 4-20 mA feedback output.
- 5. Comprehensive Protection: liquid level monitoring, emergency-stop interlock, overpressure alarm.

Innovative Technology · Low Pulsation · High Efficiency

- 1. Fast-suction, slow-discharge technology minimizes pulsation and improves dosing uniformity.
- 2. 12 VDC output for direct power supply to external instruments.
- 3. Compact and highly integrated design & Easy installation and excellent application flexibility.
- 4. Quiet operation, eco-friendly.

Shortcut Keys · Easy Operation

- 1. Press and hold the Left and Right keys simultaneously to lock the screen and prevent accidental operation.
- 2. Press and hold the Up and Down keys simultaneously to run the pump at maximum stroke frequency for rapid priming and air removal.



Model Definition EX-B-10-F-F-S

Series

Drive Type

Flow

Wetted-End Material

Seal Material

S/N: Standard/Non-Standard

Series

Code	Description
EX	EX series intelligent digital pump

Drive Type

Code	Description
B	Stepper motor

Specification

Model	Pressure (bar)	Flow (L/h)	Diaphragm Diameter (mm)	Power (W)	Voltage (V)	Frequency (Hz)	Stroke Frequency (spm)	Hose Configuration		
								Standard	Optional	Accessory
EX-B06	10	6	ø39	20	DC 100-380 AC 85-260 DC 24 (Optional)	50/60	200	4×6 mm (ID x OD) POE tubing, 2 m 4×6 mm (ID x OD) PE tubing, 2 m	4×9 mm (ID x OD) PVC tubing	Injection Valve 1pcs , Foot Valve 1pcs (equipped with PVDF liquid end configuration.)
EX-B10	10	10								
EX-B17	6	17	ø54	24						
EX-B24	5	24								
EX-B30	4	30								

Wetted-End Material

Code	Material	Valve Ball	Valve Seat	Valve Guide	Valve Gasket	Diaphragm	Compatible Chemicals
F	PVDF	Ceramic	PVDF	PVDF	PVDF	PVDF	Strong acid&alkali, etc
6	SS316	SS316	SS316	SS316	PTFE	PTFE+EPDM	High-temp& organic solvents

* No standard accessories are equipped with the SS316 pump head. Inlet and outlet connections are G1/4.

Seal Material

Code	Material	Compatible Chemicals
F	FKM	Acid
E	EPDM	Alkaline
N	NBR	Oil
Y	PTFE	Only for SS316 pump head

EX-C/D/E Series Digital Metering Pump



CORE ADVANTAGES

High Integration · Cost Efficient

Compact integrated design saves installation space. With versatile control interfaces, it eliminates the need for traditional variable-frequency motors, drives, flow meters, and complex PLC systems—reducing both initial investment and operating costs.

Precision Control · Flexible Adaptability

1. Brushless DC motor drive delivers metering accuracy of up to $\pm 1\%$.
2. Adjustable suction stroke speed allows operation at 75%, 50%, or 25% of normal speed for viscous liquids, effectively reducing the risk of cavitation.
3. Intelligent flow calibration enables automatic calibration by simply entering the measured flow value, eliminating manual errors and ensuring accurate and reliable dosing.
4. Supports 4–20 mA analog input, passive pulse input, STOP input, and RS485 communication, with 4–20 mA feedback output.
5. Batch and interval dosing modes enable precise timed dosing through simple keypad programming, making the pump ideal for periodic dosing applications.

Energy Efficiency · Stable Output

1. Innovative helical gear and auxiliary spring technology reduces power consumption by up to 70% compared with conventional spring-return mechanisms, improving long-term operating efficiency.
2. Low-pulsation stable output – adjustable discharge speed (with fixed suction speed) ensures stable output across the entire flow range; the low-pulsation design significantly reduces pipeline shock and system load.

Safety · Durability

1. Sealed design for both drive and control sections, with IP65-rated protection for reliable operation in harsh environments.
2. Supports AC220–240V universal power supply & Complies with CE requirements for worldwide applications.
3. Comprehensive alarm protection: overpressure, leakage, STOP, batch completion, and interlock alarms.
(Abnormal conditions automatically trigger alarms and initiate shutdown or signal output to ensure safe and reliable system operation.)
4. Diaphragm rupture detection (Optional) : it provides immediate alarm notification when diaphragm failure is detected, preventing chemical leakage and equipment damage.

User-Friendly Design · Easy Operation & Maintenance

1. 3.5" color LCD provides clear display of flow and signal parameters. Green, yellow, and red status indicators allow quick identification of normal operation, manual stop, and interlock shutdown conditions, even from a distance or in low-light environments.
2. Multiple connection options, including hose, threaded, flanged, and union connections, for a wide range of installation requirements.
3. Maintenance mode allows the diaphragm to be moved forward for quick and convenient replacement.
4. Operation records automatically totaled flow volume and power-cycle counts, providing valuable data for maintenance and system management.
5. Integrated 12 VDC output can directly power connected instruments.

Model Definition

EX-C-120-F-U-S

Series Drive Type Flow Wetted-End Material

Connection Size S/N: Standard/Non-Standard

Series

Code	Description
EX	EX series intelligent digital pump

Drive Type

Code	Description	Power (W)
C	DC brushless motor	72
D		260
E		400

Specification

Model	Pressure (bar)	Flow (L/h)	Diaphragm Diameter (mm)	Voltage (V)	Frequency (Hz)	Stroke Frequency (spm)	Connection Size
EX-C022	10	22	Ø66	AC220-240	50/60	200	DN15
EX-C060	10	60					
EX-C120	7	120	Ø85				
EX-C160	5	160					
EX-C200	4	200					
EX-D400	10	400	Ø131				DN25
EX-D600	7	600					
EX-D800	5	800					
EX-E1000	4	1000	Ø157				
EX-E1200	3	1200					
EX-E1500	3	1500					

Wetted-End Material

Code	Material	Valve Ball	Valve Seat	Valve Guide	Sealing ring	Valve Gasket	Diaphragm	Compatible Chemicals
F	PVDF	Ceramic	PVDF	PVDF	EPDM/FKM	PVDF	PTFE	Acid,alkali,etc
6	SS316	SS316	SS316	SS316	PTFE	PTFE	PTFE	High-temp & organic solvents

Connection Size

Code	Description	Compatible Models	Connection Size
U	Union	EX-C022/060/120/160/200	DN15 (PVDF/PVC)
		EX-D400/600/800	DN25 (PVDF/PVC)
		EX-E1000/1200/1500	
R	Hose	EX-C022/060/120/160/200	8 x 13 mm (ID x OD) PVC Hose (only for PVC pump head)
Y	Female Thread	EX-C022/060/120/160/200	G3/8
		EX-D400/600/800	G1
		EX-E1000/1200/1500	G1

ED-M Series Solenoid Diaphragm Metering Pump



CORE ADVANTAGES

Safety & Reliability

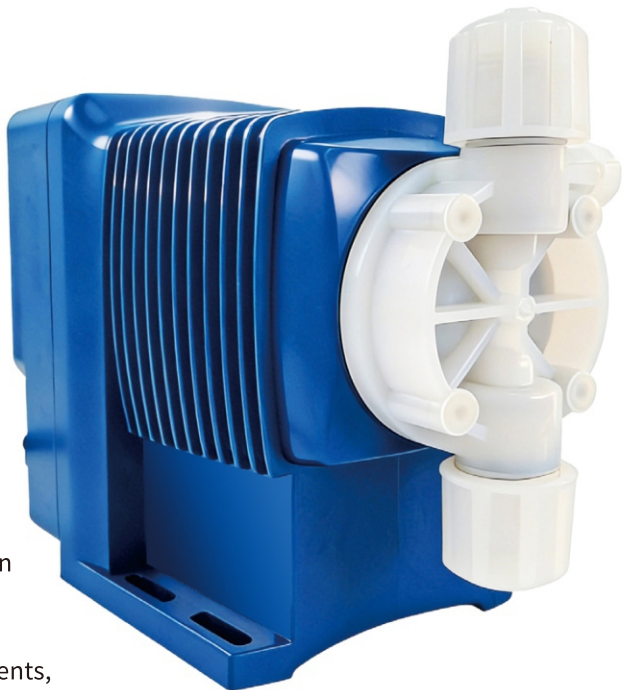
- 1. Fully encapsulated coil with thermal protection prevents short circuits and ensures reliable operation.
- 2. Standard PVDF pump head and PTFE diaphragm provide excellent corrosion resistance for demanding chemical applications.
- 3. IP65-rated enclosure ensures continuous and reliable operation in harsh environments.

Precise Metering · Energy Efficiency

- 1. PTFE diaphragm and precision check-valve design ensure accurate metering and extended service life.
- 2. Maximum stroke frequency of up to 360 spm ensures low vibration and pulsation, making the pump suitable for a wide range of applications.
- 3. Optimized efficiency reduces energy consumption and lowers operating costs.

Smart Control · Convenient Operation

- 1. Digital display clearly shows metering data, making the dosing process fully visible.
- 2. Intelligent flow calibration automatically calibrates the pump based on the measured flow value, minimizing manual errors.
- 3. Three-color indicator lights provide instant recognition of equipment operating status.
- 4. Supports proportional dosing via 4–20 mA analog input, passive pulse input, and STOP input signals.
- 5. Pulse feedback output generates one pulse per completed stroke and can be connected to a PLC for stroke counting and operation monitoring.



Flexible Adaptation · Easy Installation

- 1. Wide-voltage design enables compatibility with power supply systems worldwide.
- 2. Compact design and high level of integration simplify installation and commissioning.
- 3. Low-noise operation ensures a quieter working environment.
- 4. Integrated 12 VDC output can directly power connected instruments, reducing wiring complexity and simplifying system configuration.

Applications

Oil & Gas, Chemical Processing, Power Generation, Metallurgy, Mining, Shipbuilding, Light Industry, Agriculture, Water Treatment.

Model Definition

ED-M-10-F-F-S

Series Flow Wetted-End Material Seal Material

S/N: Standard/Non-Standard

Series

Code	Description
ED-M	ED-M Series Intelligent Diaphragm Metering Pumps feature integrated manual, 4–20 mA, and pulse control.

Specification

Model	Pressure (bar)	Flow (L/h)	Diaphragm Diameter (mm)	Power (W)	Voltage (V)	Frequency (Hz)	Stroke Frequency (spm)	Hose Configuration		
								Standard	Optional	Accessory
ED-M04	10	4	ø39	20	AC 100-240	50/60	360	4×6 mm (ID x OD) POE tubing, 2 m 4×6 mm (ID x OD) PE tubing, 2 m	4×9 mm (ID x OD) PVC tubing	Injection Valve 1pcs , Foot Valve 1pcs (equipped with PVDF liquid end configuration.)
ED-M09	7	9								
ED-M12	4	12								
ED-M16	2	16								
ED-M05	16	5								
ED-M10	10	10	ø54	24				8×12 mm (ID x OD) POE tubing, 2 m 8×12 mm (ID x OD) PE tubing, 2 m	/	
ED-M20	4	20								
ED-M33	2	33								

Wetted-End Material

Code	Material	Valve Ball	Valve Seat	Valve Guide	Valve Gasket	Diaphragm	Compatible Chemicals
F	PVDF	Ceramic	PVDF	PVDF	PVDF	PTFE	Strong acid&alkali, etc
6	SS316	SS316	SS316	SS316	PTFE	PTFE+EPDM	High-temp& organic solvents

* No standard accessories are equipped with the SS316 pump head. Inlet and outlet connections are G1/4.

Seal Material

Code	Material	Compatible Chemicals
F	FKM	Acid
E	EPDM	Alkali
N	NBR	Oil
Y	PTFE	Only for SS316 pump head

EH-E Series High-Flow Metering Pump



CORE ADVANTAGES

Compact · Wide Flow Range

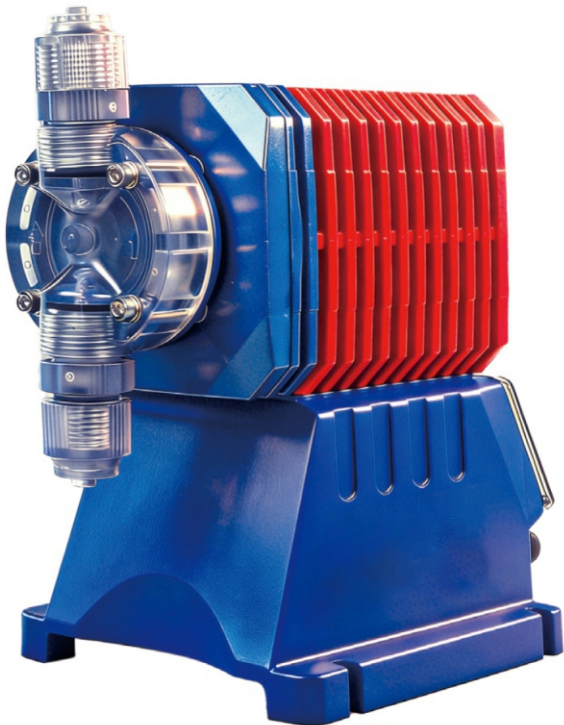
- 1. Compact design with a wide flow adjustment range.
- 2. Stroke length adjustable from 20% to 100% and stroke frequency adjustable from 0 to 360 spm, enabling a broad flow output to precisely meet diverse process requirements.

Smart Control · Flexible Modes

- 1. LCD display.
- 2. Supports proportional dosing via 4–20 mA analog input, passive pulse input, and STOP input signals.
- 3. Pulse control mode responds to external pulse signals through pulse multiplication or pulse division.

Enhanced Protection · Stable Performance

- 1. A built-in aluminum alloy frame and sealed waterproof, dustproof construction provide excellent resistance to corrosive liquids and gases.
- 2. The IP65-rated enclosure ensures long-term reliable operation in harsh industrial environments.



Model Definition EH-E-36-VC-20EE-4-S

Series Flow Wetted-End Material
Power Supply & Control Unit Connection Size
S/N: Standard/Non-Standard

Series

Code	Description
EH-E	EH-E series high-flow electromagnetic diaphragm metering pump features integrated manual, 4–20 mA, and pulse control modes.

Specification

Model	Pressure (bar)	Flow (L/h)	Diaphragm Diameter (mm)	Power (W)	Voltage (V)	Frequency (Hz)	Stroke Frequency (spm)	Stroke Length Range
EH-E36	7	31.2	ø35	48	AC220-240	50/60	360	20%-100%
EH-E46	4	45	ø45					
EH-E56	2	75	ø55					

Wetted-End Material

Code	Material	Valve Ball	Valve Seat	Valve Guide	Valve Gasket	Diaphragm	Compatible Chemicals
VC	PVC	Ceramic	EPDM	PVC	PTFE	PTFE+EPDM	Acid,alkali,etc
FC	PVDF	Ceramic	PVDF	PVDF	PTFE	PTFE+EPDM	Strong Acid,strong alkali,etc
SH	SS316	SS316	SS316	SS316	PTFE	PTFE+EPDM	High-temp & organic solvents

Power Supply & Control Unit

Code	Description		
20EE			
Control Modes	Manual		1. Stroke frequency adjustable from 0 to 360 spm
	External Signal Control	Analog	2. 4–20 mA analog input with adjustable direct-acting or reverse-acting proportional control
		Pulse	3. Dry-contact pulse input with pulse multiplication and pulse division functions (1:n/n:1, n=1–999). Pulse memory capacity up to 255 pulses.
		STOP	4. Dry-contact pulse input

Connection Size

Code	Size (ID x OD)	Compatible Models	Code	Size	Compatible Models
4	8 x 13 mm	EH-E36/46VC	8	9 x 13 mm (ID x OD)	EH-E36/46/56VC
5	9 x 12 mm	EH-E36/46VC	9	Rc1/4	EH-E36/46/56SH
6	10 x 12 mm	EH-E36/46/56VC	11	10 x 16 mm (ID x OD)	EH-E56VC
7	8 x 12 mm	EH-E36/46VC	14	Rc3/8	EH-E36/46/56SH

EJ Series Compact Metering Pump

● CORE ADVANTAGES

Durable Protection · Reliable Performance

- **Compact Design & Excellent Value**
Compact footprint with excellent cost performance.
- **Corrosion & Heat Resistance**
Standard PP pump head with excellent chemical resistance (optional PVDF pump head available).
The PPE+GF housing provides excellent heat resistance, ensuring reliable performance across a wide range of applications.
- **High-Frequency Operation**
Runs at up to 360 spm with low vibration and low noise – delivering precise metering with energy efficiency.
- **Easy Priming**
Standard venting port for effortless air release, ensuring smooth dosing and hassle-free operation.



Model Definition EJ-P-P-S

Series Control mode Wetted-End Material S/N: Standard/Non-Standard

Series

Code	Description
EJ	EJ Series Compact Solenoid Diaphragm Metering Pump Max Flow: 9 L/h ,Max Pressure: 10 bar

Control mode

Code	Description	Voltage (V)	Frequency (Hz)	Power (W)	Hose Size (ID x OD)	Stroke Frequency (spm)	Diaphragm Diameter (mm)	Accessory	
								Standard	Optional
P	Manual Mode	100-240	50/60	24	4 x 6 mm	360	29	4×6 mm (ID x OD) POE tubing, 2 m 4×6 mm (ID x OD) PE tubing, 2 m (Injection Valve 1pcs ,Foot Valve 1pcs)	4×9 mm (ID x OD) PVC tubing, 3 m
A	5-24V Pulse mode								

Wetted-End Material

Code	Material	Valve Ball	Sealing ring	Valve Guide	Diaphragm	Compatible Chemicals
P	PP	Ceramic	EPDM	P	PTFE+EPDM	Acid,alkali,etc
F	PVDF	Ceramic	EPDM	PVDF	PTFE+EPDM	Strong Acid,strong alkali,etc

GY Series Mechanical Diaphragm Metering Pump



Model Definition GY-25-C-U-S

Series Flow Wetted-End Material

Connection Size S/N: Standard/Non-Standard

Series

Code	Description
GY	GY series mechanical diaphragm metering pump

Specification

Model	Flow (L/h)		Pressure (bar)	Diaphragm Diameter (mm)	Voltage	Stroke Frequency (spm)		Power (W)
	50 Hz	60 Hz				50 Hz	60 Hz	
GY25	25	30	10	Ø65	220V, Single - Phase 380V, Three - Phase (Custom voltages available)	75	90	40
GY40	40	48	10			120	144	
GY60	60	72	5			166	200	
GY75	75	90	5			186	222	
GY90	90	108	5	Ø84		75	90	90
GY150	150	180	5			120	144	
GY200	200	240	3			166	200	

Wetted-End Material

Code	Material	Valve Ball	Valve Seat	Valve Guide	Sealing Ring	Diaphragm	Compatible Chemicals
C	PVC	Ceramic	PVC	PVC	EPDM	PTFE+EPDM	Acid,alkali,etc
F	PVDF	Ceramic	PVDF	PVDF	EPDM	PTFE+EPDM	Strong Acid,strong alkali,etc
6	SS316	SS316	SS316	SS316	PTFE	PTFE+EPDM	High-temp &organic solvents

Connection Size

Code	Description	Material	Size	Accessory
U	Union(standard)	PVC	DN15	Standard: DN15 PVC Foot Valve, 1 pcs
		PVDF		
R	Hose	PVC	8 x 13 mm (ID x OD)	Option 1: 8 x 13 mm PVC Injection Valve; Option 2: 8 x 13 mm PVC Foot Vlave and PVC Tubing
Y	Female thread	Only for SS316 Pump Head	G3/8	/

GX Series Mechanical Metering Pump

● CORE ADVANTAGES

Compact Design · Energy Saving

1. High metering accuracy (±2%) ensures stable and reliable performance.

2. Stroke length can be adjusted manually during operation without stopping the pump, allowing flexible flow-rate adjustment.

3. Composite diaphragm made of glass-fiber-reinforced EPDM with an integrally molded steel core and PTFE wetted surface, providing excellent corrosion and wear resistance.

4. Diaphragm-side design without a support plate minimizes flow resistance and improves flow capacity.

5. Equipped with a worm-gear reducer for smooth transmission, low noise, and minimal vibration.

6. Cast aluminum housing provides high strength, excellent heat dissipation, light weight, and corrosion resistance.

7. The motor is equipped with an independent terminal box for safe and reliable wiring. IP55-rated protection against dust and water ingress ensures long-term continuous operation.

8. Optional explosion-proof motor or variable-frequency motor available.
- 

Model Definition GX-120-C-G-S

Series Flow Wetted-End Material Motor type

S/N: Standard/Non-Standard

Series

Code	Description
GX	GX series mechanical diaphragm metering pump

Specification

Code	Max Flow (L/h)	Max Pressure (bar)	Diaphragm Diameter (mm)	Voltage	Frequency (Hz)	Stroke Frequency (spm)
						50Hz
GX120	120	5	ø137	380V, Three - Phase	50	150
GX260	260	5				
GX400	400	5				

Wetted-End Material

Code	Material	Valve Ball	Valve Seat	Valve Guide	Sealing Ring	Diaphragm	Compatible Chemicals
C	PVC	Ceramic	PVC	PVC	EPDM	PTFE+EPDM	Acid,alkali,etc

Motor Type

Code	Description	Power (kW)	Description
G	Standard motor	0.25	· Available in 0.25 kW or 0.37 kW versions. · Custom voltages available upon request.
B	VFD motor	0.37	Can be used with a variable frequency drive (VFD) for pump speed and flow-rate adjustment.
F	Explosion-proof motor	0.37	· Standard explosion-proof rating: Ex d IIB T4. · Ex d IIC T4 available upon request.

GM/GB Series Mechanical Diaphragm Metering Pump

● CORE ADVANTAGES

Diaphragm-Driven · Built to Last

- Wide Flow Range

Maximum flow rate up to 2000 L/h, suitable for a wide range of dosing applications.
- Diaphragm-Driven, Built to Last

Mechanically actuated diaphragm design with PTFE or composite diaphragms provides leak-free operation and long service life.
- Multiple Pump Head Materials

Available in PVC, PVDF, SS304, and SS316 to handle a wide variety of media.
- Flexible Power Supply

Available with 220V/380V 3-phase, 50 Hz power supply. Custom voltage options are available upon request.
- Multiple Adjustment Modes

Manual flow adjustment via control knob, or optional VFD motor for stroke speed control.



Explosion-Proof Optional
Optional explosion-proof motors are available with Ex d IIB T4 or Ex d IIC T4 ratings for hazardous-area applications.

Specification

Code	Pressure (mPa)	Flow (L/h)	Diaphragm Diameter (mm)	Stroke Frequency (spm)	Stroke Length (mm)	Motor	Connection Size
GM-5/1.2	1.2	5	65 (Composite Diaphragm)	36	1.2	YS-7124 0.37 kW 1440 rpm 3-50 Hz 220 V/380 V, IP55/F	DN15
GM-9/1.2	1.2	9		72	1.2		
GM-22/1.2	1.2	22		144	4		
GM-44/1.0	1.0	44		180	4		
GM-85/0.7	0.7	85	110*35 (Corrugated Diaphragm)	72	6	YS-7134 0.55 kW 1440 rpm 3-50 Hz 220 V/380 V, IP55/F	DN25
GM-120/0.7	0.7	120		72	8		
GM-170/0.7	0.7	170		144	6		
GM-240/0.7	0.7	240		144	8		
GM-315/0.5	0.5	315	110*40 (Corrugated Diaphragm)	144	8	YS-7134 0.55 kW 1440 rpm 3-50 Hz 220 V/380 V, IP55/F	DN25
GM-400/0.5	0.5	400		144	10		
GM-500/0.5	0.5	500		180	10		
GM-600/0.4	0.4	600	112 (Composite Diaphragm)	180	10	YS-8034 0.75 kW 1440 rpm 3-50 Hz 220 V/380 V, IP55/F	DN25
GB-237/1.0	1.0	237	110*35 (Corrugated Diaphragm)	102	4		DN25
GB-334/1.0	1.0	334		135	4		
GB-410/0.7	0.7	410		180	4		
GB-460/0.7	0.7	460	110*40 (Corrugated Diaphragm)	135	4	YS-90L34 1.5 kW 1440 rpm 3-50 Hz 220 V/380 V, IP55/F	DN40
GB-580/0.7	0.7	580		180	4		
GB-656/0.7	0.7	656		102	4		
GB-940/0.35	0.35	940	160 (Composite Diaphragm)	135	4	YS-90L34 1.5 kW 1440 rpm 3-50 Hz 220 V/380 V, IP55/F	DN40
GB-1200/0.35	0.35	1200		180	4		
GB-1500/0.3	0.3	1500		135	4		
GB-1800/0.3	0.3	1800	185 (Composite Diaphragm)	180	4	YS-90L34 1.5 kW 1440 rpm 3-50 Hz 220 V/380 V, IP55/F	DN40
GB-2000/0.3	0.3	2000		180	4		

QDV Mechanical Metering Pump

Features

- Self-priming and dry-running capability.
- Flow rate can be easily adjusted via the control knob, eliminating the need for complex control systems and simplifying installation and maintenance.
- Adjustable flow range from 20% to 100% of maximum capacity, with a metering accuracy of ±5%, providing flexible and reliable flow control.
- Suitable for handling high-viscosity fluids ranging from 500 to 3000 cP.
- Low-shear pumping action helps preserve fluid characteristics and product integrity.
- Available in a variety of wetted-end materials to suit different corrosive media and application requirements.



Model Description	QDV - 33 - H - P - T - C - F - W - S - S									
	①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

- ① Model No.: QDV

② Model: 13; 23; 33; 43; 53; 73; 83; 93

③ H- High Pressure; M- Medium Voltage; L- Low Pressure; N/S- Customized

④ Pump Body Material: P-PP; F-PVDF; S-SUS304; M-SUS316;

⑤ Diaphragm Material: T-PTFE;

⑥ Valve Ball Material: C-99% Alumina Waling Porcelain; S-SUS304; M-SUS316
- ⑦ Connection Mode: F-Flange; H-Hose; X-Customized

⑧ Transfer Viscosity Limit: W-Standard; V-High Viscosity

⑨ Power Supply Specification: S- Standard (50 Hz/60 Hz, 3ø380/220 V); X-Customized

⑩ S-Standard; N-Non-Standard

Material List Of Standard Liquid Connecting End Fittings

Part Name	Acquisition Number(standard)	GTC	PTC	FTC	STS	MTM
	Model	13H~24N	13H~24N	13H~24N	13H~24N	13H~24N
PumpHead		GFRPP	PVC	PVDF	SUS304	SUS316
Diaphragm		PTEE				
Valve Ball		CERAMIC			SUS304	SUS316
Ball Sleeve		GFRPP	PVC	PVDF	SUS304	SUS316
Valve Seat		GFRPP	PVC	PVDF	SUS304	SUS316
Connecting Part		GFRPP	PVC	PVDF	SUS304	SUS316
Piston O-Ring		VITON		PTEE	PTEE	PTEE

Note: 1. If customers need special materials (such as Hastelloy aluminum alloy, etc.), please contact the supplier.
2. Internal materials may be adjusted due to product optimization.

Product Specification List

Model	Max. Flow (mL/min)	Max. Flow (L/h)	Max. Discharge Pressure (bar)	Stroke Frequency (spm)	Diaphragm Diameter (mm)	Connection Size	Motor Power (kW)	Weight (kg)
QDV-13H	1420	85	10	80	100	DN20	0.2	20
QDV-23H	2080	125	8	116	100			
QDV-33L	2900	174	5	48	130			
QDV-43L	4000	240	5	116	130	DN25	0.4	22
QDV-53L	5800	348	5	116	130			
QDV-73L	7300	438	4	116	130			
QDV-93M	7500	450	5	96	145	DN25	0.55	40
QDV-14N	9800	588	4	96	145			
QDV-14M	11500	690	5	96	145			
QDV-14L	13800	828	5	116	145	DN32	0.75	42
QDV-24N	17500	1050	4	144	145			

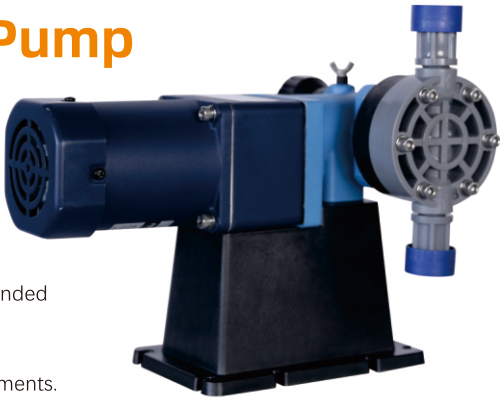
Note:

- The maximum discharge capacity is the flow rate at the maximum discharge pressure, expressed under standard conditions.
- The effective flow adjustment range applies only when the stroke length is set within 30–100%.
- The self-priming capability is 1 m.
- Product models and specifications are subject to change without prior notice due to product improvements or other reasons
- The performance data are based on 50 Hz.

BM 60W-90W Mechanical Metering Pump

Features

- Compact design for easy installation, maintenance, and parts replacement.
- Flow rate adjustable from 30% to 100% of maximum capacity.
- Metering accuracy of ±5% for reliable and economical dosing performance.
- Corrosion-resistant construction with a dual-cam drive mechanism for stable operation and extended service life.
- Available in a variety of material options to suit different corrosive media and application requirements.



Model Description	BM - 10 - P - C - E - F - 110 - SP - S								
	①	②	③	④	⑤	⑥	⑦	⑧	⑨

- ① Model No.: BM

② Model: 10; 20; 30; 50; 70; 100; 120

③ Material of Pump Body: P- PVC; S- SUS304; M- SUS316; D-PVDF; T- PTFE

④ Valve Ball Material: C-99% Alumina Ceramic; S-SUS304; M-SUS316

⑤ O-Ring/Gasket Material: E-EPDM; F-FKM; T-PTFE

⑥ Connection Mode: F-Flange; H-Hose; U-Pipe Joint Connection; K-Screw

⑦ Voltage: 110-1ø100 V-110 V; 120-1ø200 V-240 V; 320-3ø200V-240 V; 338-3ø380 V-415V; 344-3ø440 V-480 V

⑧ Style: SP-Special; None-Standard

⑨ S-Standard; N-Non-Standard

Product Specification List

Model		BM10		BM20		BM30		BM50		BM70		BM100		BM120	
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
Max Flow	L/h	17	21	27.9	33.6	45	55	52.2	63	114	138	168	210	228	246
	mL/min	283	350	460	560	750	917	870	1050	1900	2300	2800	3500	3800	4100
Max. Pressure	bar	10								5				4	
Stroke Frequency	spm	90	110	68	82	108	132	150	184	68	82	108	182	150	184
Stroke Length	mm	2		4						8					
Diaphragm	mm	65						84							
Motor Power	W	60								90					
Operating Temperature		-10~40°C													
Relative Humidity		Below 85%													
Operating Liquid		5~40°C													
Fluid Viscosity		50 mPa·s													

Note:

- The maximum discharge capacity is the flow rate at the maximum discharge pressure, expressed under standard conditions.
- The effective flow adjustment range applies only when the stroke length is set within 30–100%.
- The self-priming capability is 1 m.
- Product models and specifications are subject to change without prior notice due to product improvements or other reasons.

DOSING SYSTEM ► | LG series intelligent dosing system

COMPLETE DOSING DEVICE



Guangdong Qeehua Industry Equipment Co., Ltd. redefining industry standards through technology.

Intelligent Dosing, Advanced Integration

Integrating servo drive, smart sensing, and IoT – delivering high precision, full-process monitoring, and intelligent O&M for cost-efficient, stable production.

Expert R&D, Industry Breakthrough

A core team of experts in fluid dynamics, electronics, and intelligent control – moving beyond experience-based conventions to deliver solutions that are more precise, faster, smarter, and simpler to maintain.

Technology-Driven Solutions

Serving mineral processing, metallurgy, new energy, and beyond – driving cost reduction and efficiency through innovation.

CORE ADVANTAGES

1. All-PPH Piping System – Durable and Leak-Free

Unlike conventional piping systems that are prone to corrosion, all process piping is made of PPH, offering outstanding resistance to acids, alkalis, and aging. This helps eliminate leakage risks at the source and ensures a safer operating environment.

2. Premium Wetted End · High-Performance PVDF Pump Head

Equipped with a high-performance PVDF pump head as standard, the system provides outstanding corrosion resistance and maintains reliable operation even when handling highly concentrated chemicals.

3. Intelligent Monitoring & Protection · Safer and Smarter Operation

The system is equipped with five protective components, including a pressure gauge, variable-area flowmeter (rotameter), pulsation dampener, back pressure valve, and safety relief valve.

This integrated protection package minimizes pipeline pulsation, ensures stable output, and enhances operational safety.

4. Industry 4.0 Connectivity · Seamless DCS/PLC Integration

The integrated design enables easy installation and seamless integration with DCS and PLC systems, supporting intelligent monitoring and centralized process control.

5. Integrated Enclosure Design · Fast Installation & Commissioning

The compact integrated enclosure incorporates a dedicated pipeline flushing pump. On-site installation requires only the connection of the process inlet, outlet, and power supply, allowing rapid commissioning and start-up.

- Signal Input: Supports external pulse signals, 4–20 mA analog signals, and RS485 communication.
- Signal Output: Provides 4–20 mA feedback output for real-time data transmission and system monitoring.
- Intelligent Control: External touch-screen PLC interface provides intuitive operation and convenient parameter setting.
- Safety Protection: Diaphragm Rupture Alarm automatically detects diaphragm failure and triggers an alarm, helping prevent chemical leakage and equipment damage. And built-in STOP function enables rapid shutdown in emergency situations to improve operational safety.



CUSTOMER CASE ►



SPARE PARTS ▶



PTFE Diaphragm
PTFE wetted diaphragm - excellent heat and corrosion resistance



Pump Head
• High-precision fluid handling component
• Equipped with Standard PVDF material; other materials optional



Injection Valve
Installed on the discharge line to prevent backflow
Foot Valve
Installed on the suction line for filtration and backflow prevention



Back Pressure Valve
Maintains line back pressure, prevents siphoning, and reduces pressure fluctuation
Safety Relief Valve
Protects the pump and piping system from overpressure



Pulsation Dampener
Reduces discharge pulsation, vibration, and system pressure fluctuation if equipped with the back pressure valve



Y-Strainer
Removes impurities from the pump inlet line



Diaphragm Pressure Gauge
Displays dosing line pressure



Float Flowmeter
Indicates metering pump flow rate



PPH Ball Valves & Fittings
Acid- and alkali-resistant, anti-aging, and leak-resistant for safe operation

INDUSTRY APPLICATION ▶



Papermaking Industry



Icemaking Industry



Sewage Treatment



Pool Sterilization



Reagent Dosing



Packaging Industry



RO System



Electroplating Industry



Chlorine Dioxide Generator

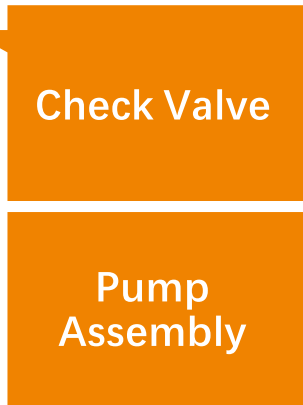
PRODUCTION SHOW ▶



Packing & Shipping



Check Valve



Pump Assembly



SMT Workshop



Injection Molding Workshop



Pump Head

