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# METERING PUMP

## QEEHUA METERING PUMP SELECTION GUIDE

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2026.07.29



GUANGDONG QEEHUA INDUSTRY EQUIPMENT CO., LTD.



Chinese Pump,  
Qeehua Dream

15 Years of Application Experience • Full-Process Corrosion-Resistant Pump Solutions

Fifteen years ago, Qeehua started with non-metallic magnetic pumps

Widely praised by customers for its exquisite manufacturing technology and technical capabilities

Qeehua has since entered the factories of thousands of enterprises

Creating efficient corrosion-resistant pump solutions for multiple industries

With excellent corrosion resistance and a wide range of applications

Professional sales network and fast-response technical support services

Qeehua is accelerating its leading position in the segmented market

#### Our Company Mission

Let the world love  
with Chinese pumps

#### Our Company Vision

To be an expert  
in the chemical pump  
industry and a model  
of corporate happiness

#### Our Core Values

Dedication, Agility, Integrity,  
Harmony, Gratitude, Win-Win

#### Our Family Culture

Co-construction,  
Co-responsibility,  
Sharing,  
Co-prosperity

Special Corrosion-Resistant Pumps &  
Filtration Equipment for PCB Circuit Boards

**CHOOSE QEEHUA, REST ASSURED**





## 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.



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



# APPLICATION AREA

Environmental Water Treatment >>>



Chemical Processing >>>



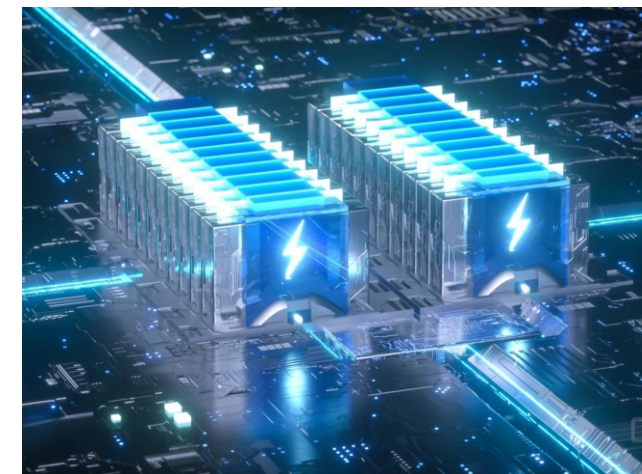
Pharmaceutical Industry >>>



Oil & Gas



New Energy & Battery Industry



Food & Beverage



Power Generation & Metallurgy



Pulp & Paper



Mining Industry





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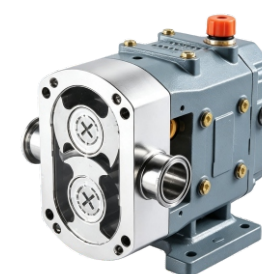
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## FEATURES

- 01. Automated Metering Pump Control
- 02. Flow Rate, Totalized Volume Display & Feedback
- 03. Pressure, Level Detection & Alarms
- 04. Data Monitoring and Analysis
- 05. Digital Metering Pump Cloud Platform

## DIGITAL METERING PUMP

GUANGDONG QEEHUA INDUSTRY EQUIPMENT CO., LTD.





## ■ Digital Metering Pump

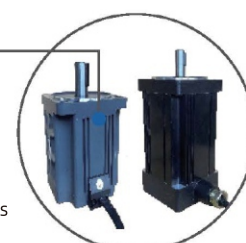


### Human-Machine Interface

- User-friendly HMI;
- High-resolution backlit LCD display;

### Vector Control for Synchronous Motor

- Supports vector control of synchronous motors and servo motors;
- Turndown ratio up to 1000:1;



### Metering Pump Cloud Platform

- Supports Industry 4.0 and 5G communication technologies;
- Enables intelligent, data-driven analysis and management;



### Wetted-End Material

- Standard Materials: PVDF, PVC, 304, 316L;
- Customization with special materials available;

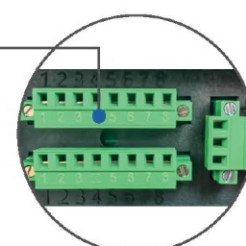


### Intelligent Safety Protection

- Double-diaphragm rupture alarm;
- Integrated pressure and liquid-level monitoring;

### Multiple Communication Interface

- Supports analog signal input/output and pulse signal input
- Supports dual Modbus RTU communication interfaces



## ■ DG Digital Metering Pump

### Summary

The digital metering pump innovatively adopts stepper motor vector drive technology, together with an advanced MCU (Micro Control Unit) and customized, optimized software programs, enabling precise metering and dosing over a wide operating range.

With a simple mechanical structure, the digital metering pump is easy to install and maintain. It integrates multiple intelligent design features and supports manual/automatic and remote/local operating modes. Parameters such as flow rate, liquid level, pressure, time, and safety alarms can be monitored and controlled.

Automatic calculation and feedback are performed by the integrated microprocessor. The pump also supports the Modbus RTU communication protocol for two-way communication. A user-friendly HMI/LCD interface makes operation more convenient.



### Technical Data

- Flow range:
  - Mechanical diaphragm type:  $Q_{max}=6000$  L/h
  - Plunger, hydraulic type:  $Q_{max}=21$  m<sup>3</sup>/h
- Pressure range:
  - Mechanical diaphragm type:  $P_{max}=1.2$  MPa
  - Plunger and hydraulic type:  $P_{max}=70$  MPa
- Electrical Parameters: AC 220/380 V; Single-phase/Three-phase; 50/60 Hz; Optional explosion-proof rating available;
- Wetted-End Material: PVC, PVDF, 304/316L, 904, 2205, Titanium, Hastelloy C
- Optional Configuration: Integrated pressure and level monitoring/control, Double-diaphragm safety protection.

### DG/DS Series Overview

DG Series:

Equipped with an HMI human-machine interface. Pressure, level, time, and other functional modules can be integrated, providing a high degree of automation.

DS Series:

Equipped with LCD display and push-button operation. Simple and convenient to operate, suitable for explosion-proof applications and a wide range of operating conditions.

### Features

- Innovative Drive Structure - Delivering outstanding performance, precision, and reliability;
- High-Precision Wide-Range Adjustment - High metering accuracy of  $\pm 1\%$  with a wide flow turndown ratio of 1000:1;
- Modular design - Suitable for diaphragm, plunger, and hydraulic diaphragm pumps;
- Modular design - Suitable for explosion-proof applications;
- Intelligent Monitoring and Alarm Functions - Supports pressure and level control, as well as diaphragm rupture alarm;
- Multi-Mode Batch Dosing - Supports timed, quantitative, and cyclic batch dosing;
- Multiple Signal and Communication Control - Supports pulse and analog signal control, with Modbus RTU two-way communication;
- User-Friendly Human-Machine Interface - Human-machine interface: touchscreen HMI or backlit high-definition LCD;



## ■ DS Digital Metering Pump

### Summary

The DS Series digital metering pump features a simple mechanical structure for easy installation and maintenance. Integrating multiple intelligent design features, it offers selectable manual/automatic and remote/local operating modes

The pump supports automated functions such as flow adjustment, quantitative dosing control, and linear control.

An integrated microprocessor performs automatic calculation and feedback, while Modbus RTU communication enables bidirectional data exchange.

A large, high-resolution backlit LCD display with keypad operation ensures convenient and user-friendly operation.



### Features

1. Innovative Drive Structure - Delivering outstanding performance with precision and reliability.
2. High-Precision Wide-Range Adjustment - Wide flow adjustment ratio of 1000:1 with metering accuracy of  $\pm 1\%$ .
3. Flexible Signal Control - Supports flow calibration and adjustment, as well as analog and pulse signal control.
4. Multiple Control Modes - Supports manual/automatic and remote/local control modes.
5. Explosion-Proof Application - Suitable for explosion-proof applications with a wide range of applications.
6. High-Definition Display and Communication - High-definition LCD display with status indication and Modbus RTU communication support.

## ● Special Configurations



DSB



Plunger Type



Hydraulic  
Double-Diaphragm  
Type



Explosion-Proof Type

## ■ DSP/DSYP Plunger / Hydraulic Diaphragm Digital Metering Pump

### Summary

The DG/DS Series digital metering pumps adopt a modular design for both digital control hardware and software. They are suitable for the full range of mechanical diaphragm, plunger, and hydraulic diaphragm metering pumps, and can also meet explosion-proof requirements.

Featuring a simple mechanical structure, easy installation and maintenance, and multiple integrated intelligent functions, the series offers a wide range of applications.

The DS Series is equipped with a large high-resolution backlit LCD display and keypad operation. The DG Series features a touchscreen HMI for more convenient operation. Based on the DS Series, the DG Series further supports pressure and liquid-level monitoring and alarms, as well as high-precision metering and dosing in timed, cyclic, and other operating modes.



### Technical Data

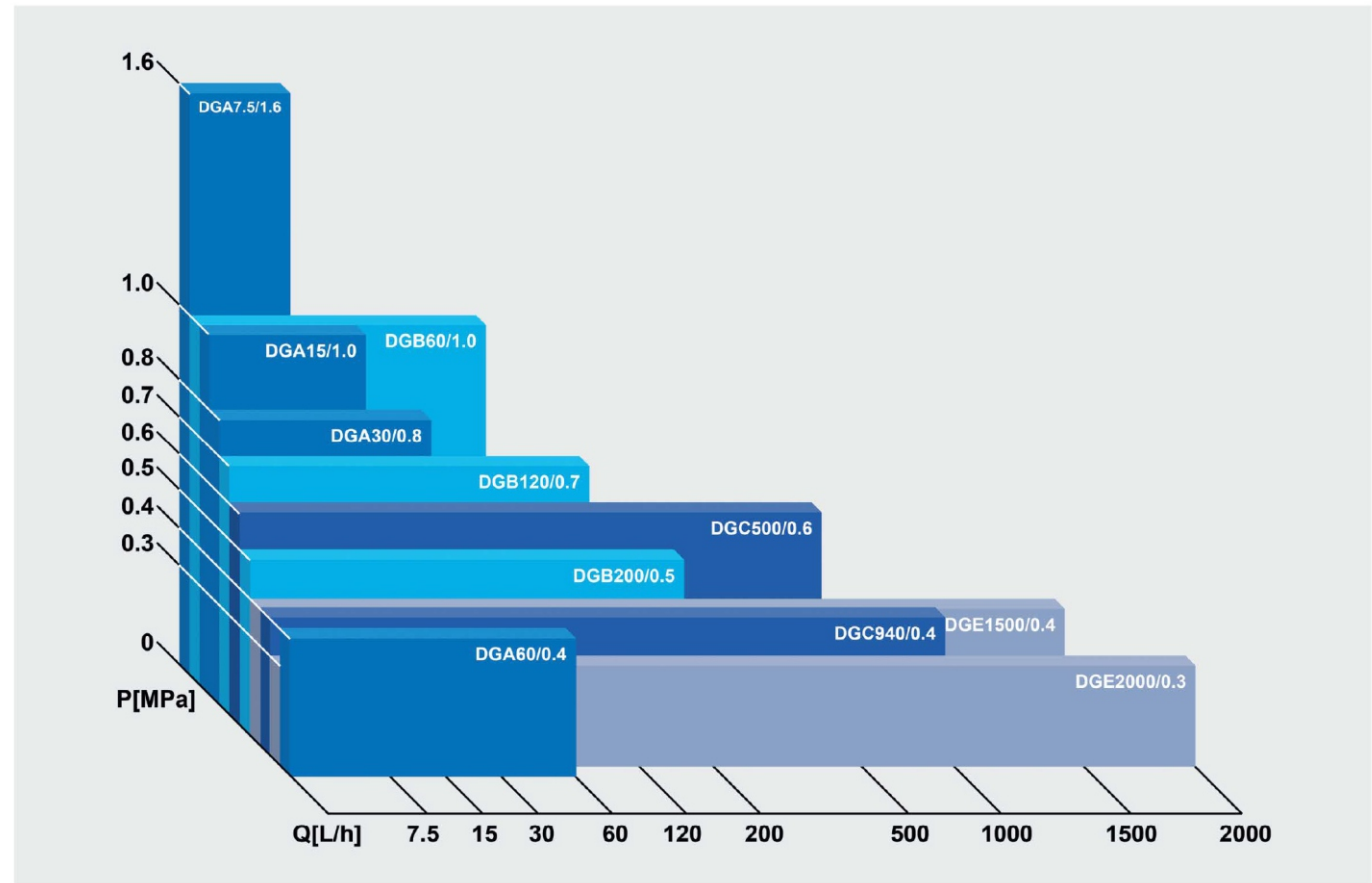
1. Flow Range:  
Plunger and hydraulic diaphragm types:  $Q_{max} = 21 \text{ m}^3/\text{h}$
2. Pressure Range:  
· Plunger type:  $P_{max} = 50 \text{ MPa}$   
· Hydraulic diaphragm type:  $P_{max} = 70 \text{ MPa}$
3. Electrical Specifications: AC 220/380 V; Single-phase/Three-phase; 50/60 Hz; optional explosion-proof rating available;
4. Wetted-End Materials: 304/316L, PVDF, 904, 2205, Titanium, Hastelloy C;

### Features

- Innovative drive structure for outstanding performance, precision, and reliability;
- Optional pump head materials: PVDF, PVC, 316L, 304;
- Modular design suitable for diaphragm, plunger, and hydraulic diaphragm pumps;
- Modular design available for explosion-proof applications;
- Steady-state accuracy and repeatability within  $\pm 1\%$ ;
- Flow turndown ratio up to 1000:1 with high flow linearity;
- Adjustable 4 - 20 mA analog signal input/output;
- Pulse signal control and adjustment;
- Manual/automatic and remote/local control modes;
- Flow calibration and adjustment;
- External pressure and liquid-level input for control and protection;
- Timed and metered dosing;
- Multiple universal interfaces supporting Modbus RTU communication;
- HMI options: touchscreen HMI / high-resolution backlit LCD;

■ Performance Specifications

| Model           | Flow<br>(L/h) | Pressure<br>(MPa) | Diaphragm Diameter<br>(mm) | Power<br>(W)          | Voltage<br>(V) | Frequency<br>(Hz) | Connection Methods<br>(Inlet and Outlet) |                           |                                   |
|-----------------|---------------|-------------------|----------------------------|-----------------------|----------------|-------------------|------------------------------------------|---------------------------|-----------------------------------|
|                 |               |                   |                            |                       |                |                   | PVC                                      | PVDF                      | 304/316L                          |
| DGA/DSA7.5/1.6  | 7.5           | 1.6               | 54                         | 20                    | 220            | 50                | Ø6 x 9 PE hose                           | Ø6 x 9 PE hose            | Ø6 x 10 connector sleeve          |
| DGA/DSA15/1.0   | 15            | 1                 |                            |                       |                |                   | Ø10 x 16 connector sleeve                |                           |                                   |
| DGA/DSA30/0.8   | 30            | 0.8               | DN15 connector sleeve      |                       |                |                   | DN15 connector sleeve                    | Ø10 x 16 connector sleeve |                                   |
| DGA/DSA60/0.4   | 60            | 0.4               |                            |                       |                |                   |                                          |                           |                                   |
| DGB/DSB60/1.0   | 60            | 1                 | 60                         | DN15 connector sleeve |                |                   | DN15 connector sleeve                    | Ø10 x 16 connector sleeve |                                   |
| DGB/DSB120/0.7  | 120           | 0.7               |                            |                       |                |                   |                                          |                           | Ø15 x 22 connector sleeve         |
| DGB/DSB200/0.5  | 200           | 0.5               |                            |                       |                |                   |                                          |                           |                                   |
| DGC/DSC500/0.6  | 500           | 0.6               | 148                        | 500                   |                |                   | DN25 connector sleeve                    | DN25 connector sleeve     | DN25 connector sleeve             |
| DGC/DSC940/0.4  | 940           | 0.4               |                            |                       |                |                   |                                          |                           |                                   |
| DGE/DSE1500/0.4 | 1500          | 0.4               | 185                        | 1100                  |                |                   | DN40 connector sleeve                    | DN40 connector sleeve     | Rc 1 <sup>1/2</sup> female thread |
| DGE/DSE2000/0.3 | 2000          | 0.3               |                            |                       |                |                   |                                          |                           |                                   |



■ DG/DS Series Technical Specifications



| Model           |                               | Unit  | DG                                | DS                                |
|-----------------|-------------------------------|-------|-----------------------------------|-----------------------------------|
| Mechanical Data | Max Flow                      | L/h   | 7.5 -2000                         | 7.5 -2000                         |
|                 | Flow Adjustment Ratio         | /     | 1000:1                            | 1000:1                            |
|                 | Max Pressure                  | bar   | 16                                | 16                                |
|                 | Inlet/Outlet Connection Size  | DN    | 6-40                              | 6-40                              |
|                 | Pump Head Materials           | /     | PVDF/PVC/316L/304                 | PVDF/PVC/316L/304                 |
|                 | Diaphragm Material            | /     | PTFE                              | PTFE                              |
|                 | Max. Viscosity                | mPa·s | 2000                              | 2000                              |
|                 | Fluid Temperature Range       | °C    | -10/50                            | -10/50                            |
|                 | Ambient Temperature Range     | °C    | 0/45                              | 0/45                              |
|                 | Steady-State Accuracy         | %     | ±1                                | ±1                                |
|                 | Repeatability                 | %     | ±1                                | ±1                                |
| Electrical Data | Voltage                       | V     | 220                               | 220                               |
|                 | Frequency                     | Hz    | 50/60                             | 50/60                             |
|                 | Power                         | W     | 20-1100                           | 20-1100                           |
|                 | Cable Connection Type         | /     | 8 x 2 Terminal Block              | 8 x 2 Terminal Block              |
|                 | Protection Class              | /     | IP65                              | IP65                              |
| Control Data    | Control Panel                 | /     | HMI (Touch Screen)                | LCD + Button                      |
|                 | Operating Mode                | /     | Remote/Local;<br>Manual/Automatic | Remote/Local;<br>Manual/Automatic |
|                 | Flow Calibration              | /     | Y                                 | Y                                 |
|                 | Analog Input/Output           | mA    | 4-20                              | 4-20                              |
|                 | 4-20 mA Reverse Control       | /     | Y                                 | Y                                 |
|                 | 4-20 mA Signal Output         | /     | Y                                 | Y                                 |
|                 | 4-20 mA proportional control  | /     | Y                                 | N                                 |
|                 | Pulse Signal Control Input    | /     | Y                                 | Y                                 |
|                 | External Start/Stop Control   | /     | Y                                 | Y                                 |
|                 | Cyclic Dosing                 | /     | Timed/Cyclic                      | N                                 |
|                 | Slow Mode                     | %     | 50/25                             | N                                 |
|                 | Periodic Dosing               | /     | Y                                 | N                                 |
|                 | Metered Dosing                | /     | Y                                 | N                                 |
|                 | Level Control                 | /     | Analog/ON-OFF Switch              | N                                 |
|                 | Low-Level Stop & Alarm        | /     | Y                                 | N                                 |
|                 | Pressure Feedback (Min./Max.) | mA    | 4-20                              | N                                 |
|                 | Communication Protocol        | /     | Modbus RTU                        | Modbus RTU                        |
| Others          | Fluid End Connection Type     | /     | Diaphragm/Plunger                 | Diaphragm/Plunger                 |
|                 | Double Diaphragm              | /     | Y                                 | Y                                 |
|                 | Diaphragm Failure Alarm       | /     | Y                                 | Y                                 |
|                 | Dynamic Pressure Detection    | /     | Y                                 | N                                 |
|                 | Explosion-Proof Module        | /     | Y                                 | Y                                 |



# MECHANICAL DIAPHRAGM METERING PUMP SERIES

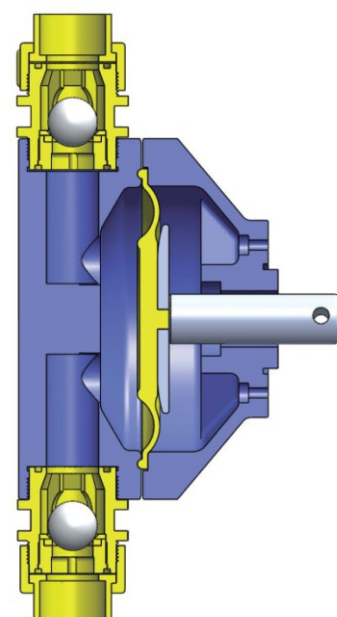


## Features

1. Simple Structural Design - Simple structure for easy maintenance.
2. Wide Media Compatibility - Suitable for high-viscosity, corrosive, abrasive and other demanding fluids.
3. High-Precision Stable Metering - High metering accuracy with stable precision within  $\pm 1\%$ .
4. Leak-Free Static Diaphragm Sealing - Static diaphragm sealing design with no dynamic seal, ensuring safe and leak-free operation.
5. High-Performance Composite PTFE Diaphragm - Five-layer composite PTFE diaphragm with reinforcement plate, offering excellent corrosion resistance, high metering accuracy and extended service life.
6. Diaphragm Protection and Pressure Relief Design - Diaphragm seat with vent and overflow ports to prevent secondary damage caused by diaphragm rupture.
7. Optional Double Diaphragm Monitoring System - Optional double diaphragm system or diaphragm rupture alarm device available.
8. Automated Control Capability - Optional stroke controller for automated metering pump control.

## Technical Data

- Flow Range:  $Q_{max} = 6000 \text{ L/h}$
- Pressure Range:  $P_{max} = 1.2 \text{ MPa}$
- Standard Configuration:
- Wetted-End Materials: PVC; PVDF/PTFE; 304/316L;  
Voltage: 380 V  
Frequency: 50 Hz



## JLM/JLM-S Solenoid Diaphragm Metering Pump



## JLM Features

1. Solenoid-driven design with a simple and reliable structure;
2. Manual stroke adjustment for flow variation and stroke frequency adjustment for flow control;
3. Optional control module for automatic analog and pulse signal control;
4. Easy installation: equipped with filter foot valve, injection valve, and inlet/outlet hoses;

## JLM-S Features

1. Large LCD for local display of operating mode, current flow, and cumulative flow;
2. Automatic start/stop function for dosing;
3. Optional local operation and external remote control modes;
4. Automatic analog and pulse signal control;
5. Supports Modbus RTU communication;

## Performance Specifications

| Model         | Flow (Lh) | Pressure (MPa) | Stroke Length (mm) | Stroke Frequency (spm) | Diaphragm Diameter (mm) | Power (W) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet)   |                                         |                                                                                    |
|---------------|-----------|----------------|--------------------|------------------------|-------------------------|-----------|-------------|----------------|-----------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------|
|               |           |                |                    |                        |                         |           |             |                | PVC                                     | PVDF                                    | 304316L                                                                            |
| JLM/JLM-S0110 | 1.0       | 10             | 1.5                | 80                     | 34                      | 28        | 220         | 50             | Ø5 x 8 PE hose with compression fitting | Ø5 x 8 PE hose with compression fitting | Ø5 x 8 PE hose with compression fitting<br>Ø5x8 welded connector sleeve (Optional) |
| JLM/JLM-S0210 | 2.0       | 10             | 1.5                | 140                    |                         |           |             |                |                                         |                                         |                                                                                    |
| JLM/JLM-S0408 | 4.0       | 8.0            | 2                  | 180                    |                         |           |             |                |                                         |                                         |                                                                                    |
| JLM/JLM-S0505 | 5.0       | 5.0            | 2                  | 140                    | 41                      |           |             |                |                                         |                                         |                                                                                    |
| JLM/JLM-S0804 | 8.0       | 4.0            | 2                  | 170                    |                         |           |             |                |                                         |                                         |                                                                                    |
| JLM/JLM-S1003 | 10        | 3.0            | 2                  | 130                    | 52                      |           |             |                |                                         |                                         |                                                                                    |
| JLM/JLM-S1203 | 12        | 3.0            | 2                  | 150                    |                         |           |             |                |                                         |                                         |                                                                                    |
| JLM/JLM-S1502 | 15        | 2.0            | 2                  | 160                    |                         |           |             |                |                                         |                                         |                                                                                    |
| JLM/JLM-S2001 | 20        | 1.0            | 2                  | 180                    |                         |           |             |                |                                         |                                         |                                                                                    |

# JBB Diaphragm Metering Pump

Technical Data

1. Flow Range: Qmax = 150 L/h

2. Pressure Range: Pmax = 1.0 MPa

3. Standard Configuration:

- Wetted-End Material: PVC, PVDF/PTFE, 304/316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Single-phase motor;
- Customizable pump head materials;
- Optional inlet/outlet connection types;



| Performance Specifications |            |                |                        |                         |           |             |                |                                                      |                      |                                |
|----------------------------|------------|----------------|------------------------|-------------------------|-----------|-------------|----------------|------------------------------------------------------|----------------------|--------------------------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Stroke Frequency (spm) | Diaphragm Diameter (mm) | Power (W) | Voltage (V) | Frequency (Hz) | Connection Methods(Inlet and Outlet)                 |                      |                                |
|                            |            |                |                        |                         |           |             |                | PVC/PVDF                                             | PTFE                 | 304/316L                       |
| JBB15/1.0                  | 15         | 1              | 100                    | 65                      | 60        | 380         | 50             | Ø6 x 9 PE hose                                       | Rc 1/2 female thread | Ø10×16 welded connector sleeve |
| JBB25/1.0                  | 25         | 1              |                        |                         |           |             |                |                                                      |                      |                                |
| JBB40/0.7                  | 40         | 0.7            |                        |                         |           |             |                |                                                      |                      |                                |
| JBB65/0.6                  | 65         | 0.6            | 100                    | 84                      |           |             |                | DN15 connector sleeve<br>Ø10 x 14 PE hose (Optional) |                      |                                |
| JBB80/0.5                  | 80         | 0.5            |                        |                         |           |             |                |                                                      |                      |                                |
| JBB100/0.4                 | 100        | 0.4            | 150                    |                         |           |             |                |                                                      |                      |                                |
| JBB120/0.4                 | 120        | 0.4            |                        |                         |           |             |                |                                                      |                      |                                |
| JBB150/0.4                 | 150        | 0.4            |                        |                         |           |             |                |                                                      |                      |                                |

# KD Diaphragm Metering Pump

Technical Data

1. Flow Range: Qmax = 180 L/h

2. Pressure Range: Pmax = 0.8 MPa

3. Standard Configuration:

- Wetted-End Materials: PVC, PVDF/PTFE, 304/316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;
- Customized pump head materials;
- Optional inlet/outlet connection types;



| Performance Specifications |            |                |                        |                         |            |             |                |                                       |                      |                         |
|----------------------------|------------|----------------|------------------------|-------------------------|------------|-------------|----------------|---------------------------------------|----------------------|-------------------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Stroke Frequency (spm) | Diaphragm Diameter (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet) |                      |                         |
|                            |            |                |                        |                         |            |             |                | PVC/PVDF                              | PTFE                 | 304/316L                |
| KD15/0.8                   | 15         | 0.8            | 48                     | 65                      | 0.18       | 380         | 50             | Ø6 x 9 PE hose                        | Rc 1/2 female thread | Ø10×16 connector sleeve |
| KD20/0.8                   | 20         | 0.8            | 48                     |                         |            |             |                |                                       |                      |                         |
| KD40/0.8                   | 40         | 0.8            | 96                     |                         |            |             |                |                                       |                      |                         |
| KD60/0.6                   | 60         | 0.6            | 48                     | 95                      |            |             |                | DN15 connector sleeve                 |                      |                         |
| KD80/0.6                   | 80         | 0.6            | 96                     |                         |            |             |                |                                       |                      |                         |
| KD120/0.5                  | 120        | 0.5            | 96                     |                         |            |             |                |                                       |                      |                         |
| KD180/0.5                  | 180        | 0.5            | 144                    |                         |            |             |                |                                       |                      |                         |



## GM Diaphragm Metering Pump

Technical Data

1. Flow Range: Qmax = 500 L/h

2. Pressure Range: Pmax = 1.2 MPa

3. Standard Configuration:

- Wetted-End Materials: PVC, PVDF/PTFE, 304/316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;
- Customized pump head materials;
- Optional inlet/outlet connection types;



| Performance Specifications |            |                |                        |                         |            |             |                |                                       |                      |                           |
|----------------------------|------------|----------------|------------------------|-------------------------|------------|-------------|----------------|---------------------------------------|----------------------|---------------------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Stroke Frequency (spm) | Diaphragm Diameter (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet) |                      |                           |
|                            |            |                |                        |                         |            |             |                | PVC                                   | PVDF                 | 304/316L                  |
| GM5/1.2                    | 5          | 1.2            | 48                     | 54                      | 0.37       | 380         | 50             | Ø6 x 9 PE hose                        | /                    | Ø6 x 10 connector sleeve  |
| GM10/1.2                   | 10         | 1.2            | 96                     |                         |            |             |                |                                       |                      |                           |
| GM25/1.0                   | 25         | 1              | 48                     | 65                      |            |             |                | DN15 connector sleeve                 | Rc 1/2 female thread | Ø10 x 16 connector sleeve |
| GM50/1.0                   | 50         | 1              | 96                     |                         |            |             |                |                                       |                      |                           |
| GM95/0.7                   | 95         | 0.7            | 48                     | 112                     |            |             |                |                                       | Rc 3/4 female thread | DN15 connector sleeve     |
| GM120/0.7                  | 120        | 0.7            | 48                     |                         |            |             |                |                                       |                      |                           |
| GM190/0.7                  | 190        | 0.7            | 96                     |                         |            |             |                |                                       |                      |                           |
| GM250/0.7                  | 250        | 0.7            | 96                     |                         |            |             |                |                                       |                      |                           |
| GM330/0.5                  | 330        | 0.5            | 96                     |                         |            |             |                |                                       |                      |                           |
| GM400/0.5                  | 400        | 0.5            | 144                    |                         |            |             |                |                                       |                      |                           |
| GM500/0.5                  | 500        | 0.5            | 144                    |                         |            |             |                |                                       |                      |                           |
|                            |            |                |                        |                         |            |             |                |                                       |                      |                           |

Note: Diaphragm rupture detection and double-diaphragm rupture alarm are available as options.

## GB Diaphragm Metering Pump

Technical Data

1. Flow Range: Qmax = 2000 L/h

2. Pressure Range: Pmax = 1.0 MPa

3. Standard Configuration:

- Wetted-End Materials: PVC, PVDF/PTFE, 304/316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;
- Customized pump head materials;
- Optional inlet/outlet connection types;



| Performance Specifications |            |                |                        |                         |            |             |                |                                            |                                                             |                                   |
|----------------------------|------------|----------------|------------------------|-------------------------|------------|-------------|----------------|--------------------------------------------|-------------------------------------------------------------|-----------------------------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Stroke Frequency (spm) | Diaphragm Diameter (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet)      |                                                             |                                   |
|                            |            |                |                        |                         |            |             |                | PVC                                        | PVDF/PTFE                                                   | 304/316L                          |
| GB240/1.0                  | 240        | 1              | 48                     | 148                     | 0.75       | 380         | 50             | DN25 connector sleeve with solvent bonding | Rc 1 female thread<br>DN25 Flange (Optional)                | Rc 1 female thread                |
| GB320/1.0                  | 320        | 1              | 48                     |                         |            |             |                |                                            |                                                             |                                   |
| GB500/1.0                  | 500        | 1              | 96                     |                         |            |             |                |                                            |                                                             |                                   |
| GB680/0.7                  | 680        | 0.7            | 96                     |                         |            |             |                |                                            |                                                             |                                   |
| GB760/0.5                  | 760        | 0.5            | 144                    |                         |            |             |                |                                            |                                                             |                                   |
| GB1000/0.4                 | 1000       | 0.4            | 144                    | 185                     | 1.1        |             |                | DN40 connector sleeve with solvent bonding | Rc 1 <sup>1/2</sup> female thread<br>DN40 Flange (Optional) | Rc 1 <sup>1/2</sup> female thread |
| GB1200/0.4                 | 1200       | 0.4            | 96                     |                         |            |             |                |                                            |                                                             |                                   |
| GB1600/0.3                 | 1600       | 0.3            | 144                    |                         |            |             |                |                                            |                                                             |                                   |
| GB1800/0.3                 | 1800       | 0.3            | 144                    |                         |            |             |                |                                            |                                                             |                                   |
| GB2000/0.3                 | 2000       | 0.3            | 144                    |                         |            |             |                |                                            |                                                             |                                   |

Note: Diaphragm rupture detection and double-diaphragm rupture alarm are available as options.

## ■ GB-S Diaphragm Metering Pump

Technical Data

1. Flow Range: Qmax = 4000 L/h

2. Pressure Range: Pmax = 0.7 MPa

3. Standard Configuration:

- Wetted-End Materials: PVC, PVDF/PTFE, 304/316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;
- Customized pump head materials;
- Optional inlet/outlet connection types;



| Performance Specifications |            |                |                        |                         |            |             |                |                                            |                                                             |                                   |
|----------------------------|------------|----------------|------------------------|-------------------------|------------|-------------|----------------|--------------------------------------------|-------------------------------------------------------------|-----------------------------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Stroke Frequency (spm) | Diaphragm Diameter (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet)      |                                                             |                                   |
|                            |            |                |                        |                         |            |             |                | PVC                                        | PVDF/PTFE                                                   | 304/316L                          |
| GB-S1360/0.7               | 1360       | 0.7            | 96                     | 148                     | 1.1        | 380         | 50             | DN25 connector sleeve with solvent bonding | Rc 1 female thread<br>DN25 Flange (Optional)                | Rc 1 female thread                |
| GB-S1500/0.5               | 1500       | 0.5            | 144                    |                         |            |             |                |                                            |                                                             |                                   |
| GB-S2000/0.4               | 2000       | 0.4            | 144                    |                         |            |             |                |                                            |                                                             |                                   |
| GB-S2400/0.4               | 2400       | 0.4            | 96                     | 185                     | 1.5        | 380         | 50             | DN40 connector sleeve with solvent bonding | Rc 1 <sup>1/2</sup> female thread<br>DN40 Flange (Optional) | Rc 1 <sup>1/2</sup> female thread |
| GB-S3200/0.3               | 3200       | 0.3            | 144                    |                         |            |             |                |                                            |                                                             |                                   |
| GB-S3600/0.3               | 3600       | 0.3            | 144                    |                         |            |             |                |                                            |                                                             |                                   |
| GB-S4000/0.3               | 4000       | 0.3            | 144                    |                         |            |             |                |                                            |                                                             |                                   |

Note: Diaphragm rupture detection and double-diaphragm rupture alarm are available as options.

## ■ GD Diaphragm Metering Pump

Technical Data

1. Flow Range: Qmax = 6000 L/h

2. Pressure Range: Pmax = 0.8 MPa

3. Standard Configuration:

- Wetted-End Materials: PVC, PVDF/PTFE, 304/316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;
- Customized pump head materials;
- Optional inlet/outlet connection types;



| Performance Specifications |            |                |                        |                         |            |             |                |                                       |             |             |
|----------------------------|------------|----------------|------------------------|-------------------------|------------|-------------|----------------|---------------------------------------|-------------|-------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Stroke Frequency (spm) | Diaphragm Diameter (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet) |             |             |
|                            |            |                |                        |                         |            |             |                | PVC                                   | PVDF/PTFE   | 304/316L    |
| GD2000/0.8                 | 2000       | 0.8            | 96                     | 260                     | 3          | 380         | 50             | DN50 Flange                           | DN50 Flange | DN50 Flange |
| GD3000/0.7                 | 3000       | 0.7            | 144                    |                         |            |             |                |                                       |             |             |
| GD4000/0.7                 | 4000       | 0.7            | 96                     |                         |            |             |                | DN65 Flange                           | DN65 Flange | DN65 Flange |
| GD6000/0.5                 | 6000       | 0.5            | 144                    |                         |            |             |                |                                       |             |             |

| 2T GD Dual-Head Electric Diaphragm Pump |            |                |                        |                         |            |             |                |                                       |             |             |
|-----------------------------------------|------------|----------------|------------------------|-------------------------|------------|-------------|----------------|---------------------------------------|-------------|-------------|
| Model                                   | Flow (L/h) | Pressure (MPa) | Stroke Frequency (spm) | Diaphragm Diameter (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet) |             |             |
|                                         |            |                |                        |                         |            |             |                | PVC                                   | PVDF/PTFE   | 304/316L    |
| 2TGD4000/0.8                            | 4000       | 0.8            | 96                     | 260                     | 4          | 380         | 50             | DN50 Flange                           | DN50 Flange | DN50 Flange |
| 2TGD6000/0.7                            | 6000       | 0.7            | 144                    |                         |            |             |                |                                       |             |             |
| 2TGD8000/0.7                            | 8000       | 0.7            | 96                     |                         |            |             |                | DN65 Flange                           | DN65 Flange | DN65 Flange |
| 2TGD12000/0.5                           | 12000      | 0.5            | 144                    |                         |            |             |                |                                       |             |             |

Note: Diaphragm rupture detection and double-diaphragm rupture alarm are available as options.



■ 2JMX Diaphragm Metering Pump

Technical Data

- 1. Flow Range: Qmax = 240 L/h
- 2. Pressure Range: Pmax = 0.8 MPa
- 3. Standard Configuration:
  - Wetted-End Materials: PVC, PVDF/PTFE, 304/316L;
  - Voltage: 380 V
  - Frequency: 50 Hz
- 4. Optional Configuration:
  - Motor variable-frequency drive / explosion-proof motor;
  - Special voltage/frequency;
  - Customized pump head materials;
  - Optional inlet/outlet connection types;
- 5. Features of Dual-Head Pump:
  - Reduces pipeline pulsation;
  - Increases flow capacity;
  - Enables proportional dosing of two different media;



Performance Specifications

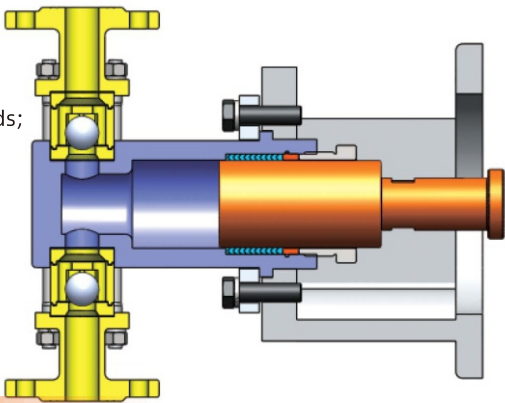
| Model       | Flow<br>(L/h) | Pressure<br>(MPa) | Stroke<br>Frequency<br>(spm) | Diaphragm<br>Diameter<br>(mm) | Power<br>(kW) | Voltage<br>(V) | Frequency<br>(Hz) | Connection Methods (Inlet and Outlet)      |                         |                                   |
|-------------|---------------|-------------------|------------------------------|-------------------------------|---------------|----------------|-------------------|--------------------------------------------|-------------------------|-----------------------------------|
|             |               |                   |                              |                               |               |                |                   | PVC                                        | PVDF/PTFE               | 304/316L                          |
| 2JMX40/0.8  | 40            | 0.8               | 48                           | 65                            | 0.37          | 380            | 50                | Ø6 x 9 PE hose with<br>compression fitting | Rc 1/2 female<br>thread | Ø10×16 welded<br>connector sleeve |
| 2JMX80/0.6  | 80            | 0.6               | 96                           |                               |               |                |                   |                                            |                         |                                   |
| 2JMX120/0.5 | 120           | 0.5               | 48                           | 95                            |               |                |                   |                                            |                         |                                   |
| 2JMX160/0.5 | 160           | 0.5               | 96                           |                               |               |                |                   |                                            |                         |                                   |
| 2JMX200/0.4 | 200           | 0.4               | 96                           |                               |               |                |                   |                                            |                         |                                   |
| 2JMX240/0.4 | 240           | 0.4               | 96                           |                               |               |                |                   |                                            |                         |                                   |

PLUNGER  
METERING PUMP SERIES



Features

- 1. Simple Wetted-End Design - Simple design for easy maintenance;
- 2. Excellent Metering Accuracy - Outstanding metering stability, repeatability and linearity accuracy within ±1%;
- 3. Patented High-Precision Stroke Adjustment Mechanism - Ensuring stable, reliable and precise capacity control;
- 4. High-Performance Ceramic Plunger - Featuring a highly finished surface, high hardness and excellent corrosion resistance for superior durability and performance;
- 5. High-Precision Check Valve Assembly - Large-diameter check valve assembly with reversible valve seats for extended service life and reduced operating costs;
- 6. Multiple Wetted-End and Sealing Options - Optional wetted-end and sealing components available for high/low-temperature, abrasive and other demanding fluids;
- 7. Dual-Head / Multi-Head Parallel Configuration - Optional dual-head and multi-head parallel configurations to increase flow capacity, reduce pulsation or achieve proportional dosing;
- 8. Automation Control Support - Optional stroke controller for automated metering pump control;



Technical Data

- Single-Head Flow: Qmax = 21,000 L/h
- Pressure Range: Pmax = 50 MPa
- Optional Wetted-End Materials: 304/316L, 904, 2205, Titanium, Hastelloy C

# JPX Plunger Metering Pump

Technical Data

1. Flow Range (Single-Head): Qmax = 260 L/h

2. Pressure Range: Pmax = 40 Mpa

3. Standard Configuration:

- Materials: 304, 316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Wetted-End Materials: 316, 904, 2205, Titanium, Hastelloy C;
- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;



| Performance Specifications |            |                |                       |                        |                    |            |             |                |                                       |
|----------------------------|------------|----------------|-----------------------|------------------------|--------------------|------------|-------------|----------------|---------------------------------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Plunger Diameter (mm) | Stroke Frequency (spm) | Stroke Length (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet) |
| JPX1/40                    | 1          | 40             | 6                     | 96                     | 10                 | 0.37       | 380         | 50             | Ø6 connector sleeve                   |
| JPX2/40                    | 2          | 40             | 6                     |                        | 20                 |            |             |                |                                       |
| JPX4/33                    | 4          | 33             | 8                     |                        |                    |            |             |                |                                       |
| JPX8/21                    | 8          | 21             | 10                    |                        |                    |            |             |                |                                       |
| JPX11/14                   | 11         | 14             | 12                    |                        |                    |            |             |                |                                       |
| JPX20/8                    | 20         | 8              | 16                    |                        |                    |            |             |                |                                       |
| JPX33/5                    | 33         | 5              | 20                    |                        |                    |            |             |                |                                       |
| JPX52/3.3                  | 52         | 3.3            | 25                    |                        |                    |            |             |                |                                       |
| JPX65/2.6                  | 65         | 2.6            | 28                    |                        |                    |            |             |                |                                       |
| JPX88/2.0                  | 88         | 2              | 32                    |                        |                    |            |             |                |                                       |
| JPX105/1.7                 | 105        | 1.7            | 35                    | 144                    |                    |            |             |                |                                       |
| JPX125/1.4                 | 125        | 1.4            | 38                    |                        |                    |            |             |                |                                       |
| JPX155/1.1                 | 155        | 1.1            | 42                    |                        |                    |            |             |                |                                       |
| JPX190/1.0                 | 190        | 1              | 38                    |                        |                    |            |             |                |                                       |
| JPX230/0.8                 | 230        | 0.8            | 42                    |                        |                    |            |             |                |                                       |
| JPX260/0.6                 | 260        | 0.6            | 45                    |                        |                    |            |             |                |                                       |

Note: Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.

# 2JX Plunger Metering Pump

Technical Data

1. Flow Range (Dual-Head): Qmax = 520 L/h

2. Pressure Range: Pmax = 40 Mpa

3. Standard Configuration:

- Wetted-End Materials: 304, 316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Wetted-End Materials: 316, 904, 2205, Titanium, Hastelloy C;
- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;



| Performance Specifications |            |                |                       |                        |                    |            |             |                |                                       |
|----------------------------|------------|----------------|-----------------------|------------------------|--------------------|------------|-------------|----------------|---------------------------------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Plunger Diameter (mm) | Stroke Frequency (spm) | Stroke Length (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet) |
| 2JX4/40                    | 4          | 40             | 6                     | 96                     | 20                 | 0.37       | 380         | 50             | Ø6 connector sleeve                   |
| 2JX8/26                    | 8          | 26             | 8                     |                        |                    |            |             |                |                                       |
| 2JX16/14                   | 16         | 14             | 10                    |                        |                    |            |             |                |                                       |
| 2JX22/10                   | 22         | 10             | 12                    |                        |                    |            |             |                |                                       |
| 2JX40/5.4                  | 40         | 5.4            | 16                    |                        |                    |            |             |                | Ø10 connector sleeve                  |
| 2JX60/3.5                  | 60         | 3.5            | 20                    |                        |                    |            |             |                |                                       |
| 2JX100/2.2                 | 100        | 2.2            | 25                    |                        |                    |            |             |                |                                       |
| 2JX130/1.7                 | 130        | 1.7            | 28                    |                        |                    |            |             |                |                                       |
| 2JX170/1.3                 | 170        | 1.3            | 32                    |                        |                    |            |             |                |                                       |
| 2JX200/1.0                 | 200        | 1              | 35                    |                        |                    |            |             |                |                                       |
| 2JX250/0.8                 | 250        | 0.8            | 38                    | 144                    | 20                 | 0.37       | 380         | 50             | Ø15 connector sleeve                  |
| 2JX300/0.6                 | 300        | 0.6            | 42                    |                        |                    |            |             |                |                                       |
| 2JX380/0.6                 | 380        | 0.6            | 38                    |                        |                    |            |             |                |                                       |
| 2JX450/0.5                 | 450        | 0.5            | 42                    |                        |                    |            |             |                |                                       |
| 2JX520/0.4                 | 520        | 0.4            | 45                    |                        |                    |            |             |                |                                       |

Note: “Connection Methods” refers to the inner diameter of the inlet and outlet for single pump head. For the diameter of the inlet/outlet manifold, please contact the company for the recommended pipe-size and flow-rate table.



# JPZ Plunger Metering Pump

Technical Data

1. Flow Range (Single-Head): Qmax = 820 L/h

2. Pressure Range: Pmax = 50 Mpa

3. Standard Configuration:

- Wetted-End Materials: 304, 316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Wetted-End Materials: 316, 904, 2205, Titanium, Hastelloy C;
- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;



| Performance Specifications |            |                |                       |                        |                    |            |             |                |                                       |  |  |  |                           |
|----------------------------|------------|----------------|-----------------------|------------------------|--------------------|------------|-------------|----------------|---------------------------------------|--|--|--|---------------------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Plunger Diameter (mm) | Stroke Frequency (spm) | Stroke Length (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet) |  |  |  |                           |
| JPZ5/50                    | 5          | 50             | 8                     | 96                     | 25                 | 0.75       | 380         | 50             | Ø6 connector sleeve                   |  |  |  |                           |
| JPZ9/44                    | 9          | 44             | 10                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ14/30                   | 14         | 30             | 12                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ26/17                   | 26         | 17             | 16                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ42/10                   | 42         | 10             | 20                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ66/7                    | 66         | 7              | 25                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ85/5.5                  | 85         | 5.5            | 28                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ110/4.0                 | 110        | 4              | 32                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ135/3.3                 | 135        | 3.3            | 35                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ160/2.8                 | 160        | 2.8            | 38                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ200/2.3                 | 200        | 2.3            | 42                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ225/2.0                 | 225        | 2              | 45                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ280/1.7                 | 280        | 1.7            | 50                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ335/1.3                 | 335        | 1.3            | 55                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ400/1.1                 | 400        | 1.1            | 60                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ470/0.9                 | 470        | 0.9            | 65                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ550/0.8                 | 550        | 0.8            | 70                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ600/0.7                 | 600        | 0.7            | 60                    | 144                    |                    |            |             |                |                                       |  |  |  | DN25 Flange (HG/T20592RF) |
| JPZ700/0.6                 | 700        | 0.6            | 65                    |                        |                    |            |             |                |                                       |  |  |  |                           |
| JPZ820/0.5                 | 820        | 0.5            | 70                    |                        |                    |            |             |                |                                       |  |  |  |                           |

Note: Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.

# JPR Plunger Metering Pump

Technical Data

1. Flow Range (Single-Head): Qmax = 1800 L/h

2. Pressure Range: Pmax = 50 Mpa

3. Standard Configuration:

- Wetted-End Materials: 304, 316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Wetted-End Materials: 316, 904, 2205, Titanium, Hastelloy C;
- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;



| Performance Specifications |            |                |                       |                        |                    |            |             |                |                                       |
|----------------------------|------------|----------------|-----------------------|------------------------|--------------------|------------|-------------|----------------|---------------------------------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Plunger Diameter (mm) | Stroke Frequency (spm) | Stroke Length (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet) |
| JPR15/50                   | 15         | 50             | 12                    | 96                     | 30                 | 1.5        | 380         | 50             | Ø10 connector sleeve                  |
| JPR30/28                   | 30         | 28             | 16                    |                        |                    |            |             |                |                                       |
| JPR50/18                   | 50         | 18             | 20                    |                        |                    |            |             |                |                                       |
| JPR80/11                   | 80         | 11             | 25                    |                        |                    |            |             |                |                                       |
| JPR100/9                   | 100        | 9              | 28                    |                        |                    |            |             |                |                                       |
| JPR135/7                   | 135        | 7              | 32                    |                        |                    |            |             |                |                                       |
| JPR160/5.8                 | 160        | 5.8            | 35                    |                        |                    |            |             |                | Ø15 connector sleeve                  |
| JPR190/5.0                 | 190        | 5              | 38                    |                        |                    |            |             |                |                                       |
| JPR230/4.0                 | 230        | 4              | 42                    |                        |                    |            |             |                |                                       |
| JPR265/3.5                 | 265        | 3.5            | 45                    |                        |                    |            |             |                |                                       |
| JPR330/2.9                 | 330        | 2.9            | 50                    |                        |                    |            |             |                |                                       |
| JPR400/2.3                 | 400        | 2.3            | 55                    |                        |                    |            |             |                |                                       |
| JPR480/2.0                 | 480        | 2              | 60                    |                        |                    |            |             |                |                                       |
| JPR560/1.7                 | 560        | 1.7            | 65                    |                        |                    |            |             |                |                                       |
| JPR650/1.5                 | 650        | 1.5            | 70                    |                        |                    |            |             |                |                                       |
| JPR750/1.3                 | 750        | 1.3            | 75                    |                        |                    |            |             |                | DN40 Flange (HG/T20592RF)             |
| JPR850/1.1                 | 850        | 1.1            | 80                    |                        |                    |            |             |                |                                       |
| JPR960/0.9                 | 960        | 0.9            | 85                    |                        |                    |            |             |                |                                       |
| JPR1080/0.8                | 1080       | 0.8            | 90                    |                        |                    |            |             |                |                                       |
| JPR1280/0.8                | 1280       | 0.8            | 80                    | 144                    |                    |            |             |                |                                       |
| JPR1450/0.7                | 1450       | 0.7            | 85                    |                        |                    |            |             |                |                                       |
| JPR1620/0.6                | 1620       | 0.6            | 90                    |                        |                    |            |             |                |                                       |
| JPR1800/0.5                | 1800       | 0.5            | 95                    |                        |                    |            |             |                |                                       |

Note: Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.

JPD Plunger Metering Pump

Technical Data

1. Flow Range (Single-Head): Qmax = 4000 L/h

2. Pressure Range: Pmax = 50 Mpa

3. Standard Configuration:

- Wetted-End Materials: 304, 316L;

- Voltage: 380 V

- Frequency: 50 Hz

4. Optional Configuration:

- Wetted-End Materials: 316, 904, 2205, Titanium, Hastelloy C;

- Motor variable-frequency drive / explosion-proof motor;

- Special voltage/frequency;



| Performance Specifications |               |                   |      |                          |                           |                       |                |                   |                                                  |
|----------------------------|---------------|-------------------|------|--------------------------|---------------------------|-----------------------|----------------|-------------------|--------------------------------------------------|
| Model                      | Flow<br>(L/h) | Pressure<br>(MPa) |      | Plunger Diameter<br>(mm) | Stroke Frequency<br>(spm) | Stroke Length<br>(mm) | Voltage<br>(V) | Frequency<br>(Hz) | Connection Methods<br>(Inlet and Outlet)         |
|                            |               | 3 kW              | 4 kW |                          |                           |                       |                |                   |                                                  |
| JPD28/50                   | 28            | 50                | /    | 12                       | 96                        | 50                    | 380            | 50                | Ø10 connector sleeve                             |
| JPD53/(40/50)              | 53            | 40                | 50   | 16                       |                           |                       |                |                   |                                                  |
| JPD85/(25/35)              | 85            | 25                | 35   | 20                       |                           |                       |                |                   |                                                  |
| JPD135/(16/22)             | 135           | 16                | 22   | 25                       |                           |                       |                |                   |                                                  |
| JPD170/(12/17)             | 170           | 12                | 17   | 28                       |                           |                       |                |                   | DN15<br>Flange<br>(HG/T20615TG)                  |
| JPD220/(9/13)              | 220           | 9                 | 13   | 32                       |                           |                       |                |                   |                                                  |
| JPD320/(6.8/9)             | 320           | 6.8               | 9    | 38                       |                           |                       |                |                   |                                                  |
| JPD390/(5.6/8)             | 390           | 5.6               | 8    | 42                       |                           |                       |                |                   |                                                  |
| JPD450/(4.8/7)             | 450           | 4.8               | 7    | 45                       |                           |                       |                |                   | DN25<br>Flange<br>(HG/T20615TG)<br>(HG/T20592RF) |
| JPD550/(4/5.6)             | 550           | 4                 | 5.6  | 50                       |                           |                       |                |                   |                                                  |
| JPD670/(3.4/4.7)           | 670           | 3.4               | 4.7  | 55                       |                           |                       |                |                   |                                                  |
| JPD800/(2.8/4)             | 800           | 2.8               | 4    | 60                       |                           |                       |                |                   |                                                  |
| JPD940/(2.3/3.3)           | 940           | 2.3               | 3.3  | 65                       |                           |                       |                |                   | DN40<br>Flange<br>(HG/T20592RF)                  |
| JPD1100/(2/2.8)            | 1100          | 2                 | 2.8  | 70                       |                           |                       |                |                   |                                                  |
| JPD1250/(1.8/2.5)          | 1250          | 1.8               | 2.5  | 75                       |                           |                       |                |                   |                                                  |
| JPD1430/(1.6/2.2)          | 1430          | 1.6               | 2.2  | 80                       |                           |                       |                |                   |                                                  |
| JPD1620/(1.4/2)            | 1620          | 1.4               | 2    | 85                       |                           |                       |                |                   |                                                  |
| JPD1820/(1.2/1.7)          | 1820          | 1.2               | 1.7  | 90                       |                           |                       |                |                   |                                                  |
| JPD2010/(1.1/1.5)          | 2010          | 1.1               | 1.5  | 95                       |                           |                       |                |                   |                                                  |
| JPD2250/(0.9/1.3)          | 2250          | 0.9               | 1.3  | 100                      |                           |                       |                |                   |                                                  |
| JPD2480/(0.8/1.1)          | 2480          | 0.8               | 1.1  | 105                      |                           |                       |                |                   | 144                                              |
| JPD2720/(0.8/1)            | 2720          | 0.8               | 1    | 90                       |                           |                       |                |                   |                                                  |
| JPD3050/(0.7/0.9)          | 3050          | 0.7               | 0.9  | 95                       |                           |                       |                |                   |                                                  |
| JPD3380/(0.6/0.8)          | 3380          | 0.6               | 0.8  | 100                      |                           |                       |                |                   |                                                  |
| JPD3720/(0.5/0.7)          | 3720          | 0.5               | 0.7  | 105                      |                           |                       |                |                   |                                                  |
| JPD4000/(0.4/0.6)          | 4000          | 0.4               | 0.6  | 110                      |                           |                       |                |                   |                                                  |

Note: Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.

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JPG Plunger Metering Pump

Technical Data

1. Flow Range (Single-Head): Qmax = 1,6000 L/h

2. Pressure Range: Pmax = 50 Mpa

3. Standard Configuration:

- Wetted-End Materials: 304, 316L;

- Voltage: 380 V

- Frequency: 50 Hz

4. Optional Configuration:

- Wetted-End Materials: 316, 904, 2205, Titanium, Hastelloy C;

- Motor variable-frequency drive / explosion-proof motor;

- Special voltage/frequency;



| Performance Specifications |               |                   |        |       |       |                          |                           |                          |                |                   |                                          |  |  |                                  |
|----------------------------|---------------|-------------------|--------|-------|-------|--------------------------|---------------------------|--------------------------|----------------|-------------------|------------------------------------------|--|--|----------------------------------|
| Model                      | Flow<br>(L/h) | Pressure<br>(MPa) |        |       |       | Plunger Diameter<br>(mm) | Stroke Frequency<br>(spm) | Stroke<br>Length<br>(mm) | Voltage<br>(V) | Frequency<br>(Hz) | Connection Methods<br>(Inlet and Outlet) |  |  |                                  |
|                            |               | 5.5 kW            | 7.5 kW | 11 kW | 15 kW |                          |                           |                          |                |                   |                                          |  |  |                                  |
| JPG100/50                  | 100           | 50                | /      | /     | /     | 20                       | 96                        | 60                       | 380            | 50                | DN15<br>Flange<br>(HG/T20615TG)          |  |  |                                  |
| JPG150/(30/43/50)          | 150           | 30                | 43     | 50    | /     | 25                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG200/(25/34/50)          | 200           | 25                | 34     | 50    | /     | 28                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG260/(19/26/40/50)       | 260           | 19                | 26     | 40    | 50    | 32                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG370/(14/18/28/36)       | 370           | 14                | 18     | 28    | 36    | 38                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG460/(11/15/23/30)       | 460           | 11                | 15     | 23    | 30    | 42                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG660/(8/10/16/21)        | 660           | 8                 | 10     | 16    | 21    | 50                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG800/(6.5/9/13/18)       | 800           | 6.5               | 9      | 13    | 18    | 55                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG950/(5.3/7.5/11/14.5)   | 950           | 5.3               | 7.5    | 11    | 14.5  | 60                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG1110/(4.5/6.2/9.5/12)   | 1110          | 4.5               | 6.2    | 9.5   | 12    | 65                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG1300/(4/5.5/8.3/10.5)   | 1300          | 4                 | 5.5    | 8.3   | 10.5  | 70                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG1500/(3.5/4.6/7.2/9.3)  | 1500          | 3.5               | 4.6    | 7.2   | 9.3   | 75                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG1680/(3/4.2/6.3/8.2)    | 1680          | 3                 | 4.2    | 6.3   | 8.2   | 80                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG1880/(2.7/3.7/5.5/7.4)  | 1880          | 2.7               | 3.7    | 5.5   | 7.4   | 85                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG2150/(2.4/3.3/5/6.5)    | 2150          | 2.4               | 3.3    | 5     | 6.5   | 90                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG2400/(2.1/3/4.5/5.9)    | 2400          | 2.1               | 3      | 4.5   | 5.9   | 95                       |                           |                          |                |                   |                                          |  |  |                                  |
| JPG2650/(1.9/2.7/4/5.2)    | 2650          | 1.9               | 2.7    | 4     | 5.2   | 100                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG3210/(1.6/2.2/3.3/4.4)  | 3210          | 1.6               | 2.2    | 3.3   | 4.4   | 110                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG3850/(1.3/1.9/2.8/3.7)  | 3850          | 1.3               | 1.9    | 2.8   | 3.7   | 120                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG4520/(1.1/1.6/2.4/3)    | 4520          | 1.1               | 1.6    | 2.4   | 3     | 130                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG5240/(1/1.4/2/2.5)      | 5240          | 1                 | 1.4    | 2     | 2.5   | 140                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG6000/(0.9/1.2/1.8/2.3)  | 6000          | 0.9               | 1.2    | 1.8   | 2.3   | 150                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG6850/(0.8/1/1.6/2)      | 6850          | 0.8               | 1      | 1.6   | 2     | 160                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG7700/(0.7/0.9/1.4/1.8)  | 7700          | 0.7               | 0.9    | 1.4   | 1.8   | 170                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG8600/(0.6/0.8/1.2/1.6)  | 8600          | 0.6               | 0.8    | 1.2   | 1.6   | 180                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG9600/(0.5/0.7/1.1/1.5)  | 9600          | 0.5               | 0.7    | 1.1   | 1.5   | 190                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG10700/(0.5/0.7/1/1.3)   | 10700         | 0.5               | 0.7    | 1     | 1.3   | 200                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG11600/(0.5/0.7/1/1.3)   | 11600         | 0.5               | 0.7    | 1     | 1.3   | 170                      | 144                       |                          |                |                   |                                          |  |  | DN100<br>Flange<br>(HG/T20592RF) |
| JPG13000/(0.4/0.6/0.9/1.2) | 13000         | 0.4               | 0.6    | 0.9   | 1.2   | 180                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG14500/(0.3/0.5/0.8/1)   | 14500         | 0.3               | 0.5    | 0.8   | 1     | 190                      |                           |                          |                |                   |                                          |  |  |                                  |
| JPG16000/(0.3/0.5/0.7/0.9) | 16000         | 0.3               | 0.5    | 0.7   | 0.9   | 200                      |                           |                          |                |                   |                                          |  |  |                                  |

Note: Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.



JPW Plunger Metering Pump

Technical Data

1. Flow Range (Single-Head): Qmax = 2,1300 L/h

2. Pressure Range: Pmax = 50 Mpa

3. Standard Configuration:

- Wetted-End Materials: 304, 316L;

- Voltage: 380 V

- Frequency: 50 Hz

4. Optional Configuration:

- Wetted-End Materials: 316, 904, 2205, Titanium, Hastelloy C;

- Motor variable-frequency drive / explosion-proof motor;

- Special voltage/frequency;



| Performance Specifications |               |                |       |       |       |                          |                                  |                       |                |                   |                                                  |
|----------------------------|---------------|----------------|-------|-------|-------|--------------------------|----------------------------------|-----------------------|----------------|-------------------|--------------------------------------------------|
| Model                      | Flow<br>(L/h) | Pressure (MPa) |       |       |       | Plunger Diameter<br>(mm) | Stroke Frequency<br>(spm)        | Stroke Length<br>(mm) | Voltage<br>(V) | Frequency<br>(Hz) | Connection Methods<br>(Inlet and Outlet)         |
|                            |               | 15 kW          | 18 kW | 22 kW | 30 kW |                          |                                  |                       |                |                   |                                                  |
| JPW250/50                  | 250           | 50             | /     | /     | /     | 28                       | 96                               | 80                    | 380            | 50                | DN15<br>Flange<br>(HG/T20615TG)                  |
| JPW330/(40/50)             | 330           | 40             | 50    | /     | /     | 32                       |                                  |                       |                |                   | DN25<br>Flange<br>(HG/T20615TG)                  |
| JPW480/(29/35/42/50)       | 480           | 29             | 35    | 42    | 50    | 38                       |                                  |                       |                |                   |                                                  |
| JPW580/(24/30/34/46)       | 580           | 24             | 30    | 34    | 46    | 42                       |                                  |                       |                |                   |                                                  |
| JPW830/(17/21/25/34)       | 830           | 17             | 21    | 25    | 34    | 50                       |                                  |                       |                |                   | DN40<br>Flange<br>(HG/T20615TG)<br>(HG/T20592RF) |
| JPW1010/(14/17.5/21/28)    | 1010          | 14             | 17.5  | 21    | 28    | 55                       |                                  |                       |                |                   |                                                  |
| JPW1200/(12/15/18/24)      | 1200          | 12             | 15    | 18    | 24    | 60                       |                                  |                       |                |                   |                                                  |
| JPW1450/(10/12.5/15/20)    | 1450          | 10             | 12.5  | 15    | 20    | 65                       |                                  |                       |                |                   |                                                  |
| JPW1680/(9/11/13/18)       | 1680          | 9              | 11    | 13    | 18    | 70                       |                                  |                       |                |                   | DN50<br>Flange<br>(HG/T20592RF)                  |
| JPW1950/(8/9.5/11.5/15)    | 1950          | 8              | 9.5   | 11.5  | 15    | 75                       |                                  |                       |                |                   |                                                  |
| JPW2220/(7/8.4/10/13.5)    | 2220          | 7              | 8.4   | 10    | 13.5  | 80                       |                                  |                       |                |                   |                                                  |
| JPW2510/(6/7.4/8.9/12)     | 2510          | 6              | 7.4   | 8.9   | 12    | 85                       |                                  |                       |                |                   | DN65<br>Flange<br>(HG/T20592RF)                  |
| JPW2850/(5.4/6.6/8/10.5)   | 2850          | 5.4            | 6.6   | 8     | 10.5  | 90                       |                                  |                       |                |                   |                                                  |
| JPW3160/(4.8/6/7.1/9.5)    | 3160          | 4.8            | 6     | 7.1   | 9.5   | 95                       |                                  |                       |                |                   |                                                  |
| JPW3500/(4.2/5.2/6.4/8.5)  | 3500          | 4.2            | 5.2   | 6.4   | 8.5   | 100                      |                                  |                       |                |                   | DN80<br>Flange<br>(HG/T20592RF)                  |
| JPW4250/(3.5/4.2/5.3/7)    | 4250          | 3.5            | 4.2   | 5.3   | 7     | 110                      |                                  |                       |                |                   |                                                  |
| JPW5050/(3/3.6/4.5/6)      | 5050          | 3              | 3.6   | 4.5   | 6     | 120                      |                                  |                       |                |                   |                                                  |
| JPW6000/(2.6/3.1/3.8/5)    | 6000          | 2.6            | 3.1   | 3.8   | 5     | 130                      |                                  |                       |                |                   | DN100<br>Flange<br>(HG/T20592RF)                 |
| JPW7000/(2.2/2.7/3.2/4.2)  | 7000          | 2.2            | 2.7   | 3.2   | 4.2   | 140                      |                                  |                       |                |                   |                                                  |
| JPW8000/(1.9/2.4/2.8/3.8)  | 8000          | 1.9            | 2.4   | 2.8   | 3.8   | 150                      |                                  |                       |                |                   |                                                  |
| JPW9100/(1.6/2.1/2.4/3.2)  | 9100          | 1.6            | 2.1   | 2.4   | 3.2   | 160                      |                                  |                       |                |                   | DN125<br>Flange<br>(HG/T20592RF)                 |
| JPW10200/(1.4/1.9/2.2/2.8) | 10200         | 1.4            | 1.9   | 2.2   | 2.8   | 170                      |                                  |                       |                |                   |                                                  |
| JPW11500/(1.3/1.7/1.9/2.5) | 11500         | 1.3            | 1.7   | 1.9   | 2.5   | 180                      |                                  |                       |                |                   |                                                  |
| JPW12800/(1.1/1.5/1.8/2.2) | 12800         | 1.1            | 1.5   | 1.8   | 2.2   | 190                      |                                  |                       |                |                   | DN100<br>Flange<br>(HG/T20592RF)                 |
| JPW14200/(1/1.3/1.6/2)     | 14200         | 1              | 1.3   | 1.6   | 2     | 200                      |                                  |                       |                |                   |                                                  |
| JPW15400/(1/1.3/1.6/2)     | 15400         | 1              | 1.3   | 1.6   | 2     | 170                      |                                  |                       |                |                   |                                                  |
| JPW17200/(0.9/1.2/1.5/1.8) | 17200         | 0.9            | 1.2   | 1.5   | 1.8   | 180                      | DN125<br>Flange<br>(HG/T20592RF) |                       |                |                   |                                                  |
| JPW19200/(0.8/1/1.3/1.7)   | 19200         | 0.8            | 1     | 1.3   | 1.7   | 190                      |                                  |                       |                |                   |                                                  |
| JPW21300/(0.7/0.9/1.2/1.5) | 21300         | 0.7            | 0.9   | 1.2   | 1.5   | 200                      |                                  |                       |                |                   |                                                  |

Note: Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.

HYDRAULIC DIAPHRAGM  
METERING PUMP SERIES



- Features
1. Diaphragm Sealing for Leak-Free Operation - The wetted end features diaphragm sealing technology, ensuring safe and leak-free operation.

2. High-Precision Metering Performance - Stable metering performance with repeatability and linearity accuracy within ±1%.

3. High-Efficiency Hydraulic System - Its components ensure fast response, stable operation, and reliable performance.

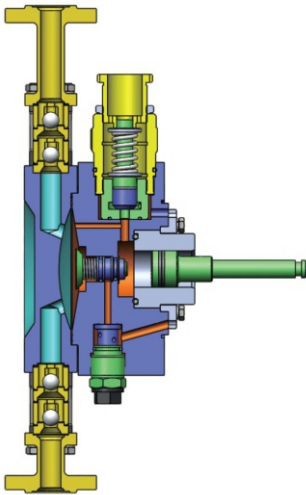
4. Patented Stroke Adjustment Mechanism - High-precision patented stroke adjustment mechanism delivers stable, reliable, and superior performance.

5. High-Precision Check Valve Assembly - High-precision, large-port check valve assembly with double-sided valve seats, allowing reuse after reversing the seat and reducing operating costs.

6. Multiple Diaphragm Safety Configurations - Optional double-layer, multi-layer, or metal diaphragms with diaphragm rupture alarm for enhanced safety.

7. Dual/Multi-Head Parallel Configuration - Optional duplex or multi-head parallel configuration increases flow capacity, reduces pulsation, or enables proportional dosing.

8. Support for Automatic Control - Compatible with optional metering pump stroke controllers for automated control.



- Technical Data
- Single-Head Flow: Qmax = 21,000 L/h

● Pressure Range: Pmax = 70 MPa

● Optional Wetted-End Materials: 304/316L, 904, 2205, Titanium, Hastelloy C

# JYPX Hydraulic Diaphragm Metering Pump

Technical Data

1. Flow Range (Single-Head): Qmax = 260 L/h

2. Pressure Range: Pmax = 60 Mpa

3. Standard Configuration:

- Wetted-End Materials: 304, 316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Wetted-End Materials: 316, PVDF/PTFE, 904, 2205, Titanium, Hastelloy C;
- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;
- Diaphragm rupture detection and double-diaphragm rupture alarm;



| Performance Specifications |            |                |                       |                        |                    |            |             |                |                                       |
|----------------------------|------------|----------------|-----------------------|------------------------|--------------------|------------|-------------|----------------|---------------------------------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Plunger Diameter (mm) | Stroke Frequency (spm) | Stroke Length (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet) |
| JYPX1/60                   | 1          | 60             | 6                     | 96                     | 20                 | 0.37       | 380         | 50             | Ø6 connector sleeve                   |
| JYPX2/30                   | 2          | 30             | 8                     |                        |                    |            |             |                |                                       |
| JYPX5/25                   | 5          | 25             | 10                    |                        |                    |            |             |                |                                       |
| JYPX8/18                   | 8          | 18             | 10                    | 144                    |                    |            |             |                |                                       |
| JYPX15/12                  | 15         | 12             | 12                    |                        |                    |            |             |                |                                       |
| JYPX20/8                   | 20         | 8              | 16                    | 96                     |                    |            |             |                |                                       |
| JYPX30/7                   | 30         | 7              | 16                    | 144                    |                    |            |             |                |                                       |
| JYPX50/4.3                 | 50         | 4.3            | 20                    |                        |                    |            |             |                |                                       |
| JYPX63/3.2                 | 63         | 3.2            | 28                    | 96                     |                    |            |             |                |                                       |
| JYPX80/2.7                 | 80         | 2.7            | 25                    | 144                    |                    |            |             |                |                                       |
| JYPX100/2.1                | 100        | 2.1            | 28                    |                        |                    |            |             |                |                                       |
| JYPX135/1.6                | 135        | 1.6            | 32                    |                        |                    |            |             |                |                                       |
| JYPX160/1.3                | 160        | 1.3            | 35                    |                        |                    |            |             |                |                                       |
| JYPX190/1.1                | 190        | 1.1            | 38                    |                        |                    |            |             |                |                                       |
| JYPX210/0.9                | 210        | 0.9            | 40                    |                        |                    |            |             |                |                                       |
| JYPX260/0.6                | 260        | 0.6            | 45                    |                        |                    |            |             |                |                                       |
|                            |            |                |                       |                        |                    |            |             |                |                                       |
|                            |            |                |                       |                        |                    |            |             |                |                                       |
|                            |            |                |                       |                        |                    |            |             |                |                                       |
|                            |            |                |                       |                        |                    |            |             |                |                                       |
|                            |            |                |                       |                        |                    |            |             |                |                                       |
|                            |            |                |                       |                        |                    |            |             |                |                                       |
|                            |            |                |                       |                        |                    |            |             |                |                                       |
|                            |            |                |                       |                        |                    |            |             |                |                                       |
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Note: Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.

# JYPZ Hydraulic Diaphragm Metering Pump

Technical Data

1. Flow Range (Single-Head): Qmax = 810 L/h

2. Pressure Range: Pmax = 70 Mpa

3. Standard Configuration:

- Wetted-End Materials: 304, 316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Wetted-End Materials: 316, PVDF/PTFE, 904, 2205, Titanium, Hastelloy C;
- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;
- Diaphragm rupture detection and double-diaphragm rupture alarm;



| Performance Specifications |            |                |                       |                        |                    |            |             |                |                                       |
|----------------------------|------------|----------------|-----------------------|------------------------|--------------------|------------|-------------|----------------|---------------------------------------|
| Model                      | Flow (L/h) | Pressure (MPa) | Plunger Diameter (mm) | Stroke Frequency (spm) | Stroke Length (mm) | Power (kW) | Voltage (V) | Frequency (Hz) | Connection Methods (Inlet and Outlet) |
| JYPZ4/70                   | 4          | 70             | 8                     | 96                     | 25                 | 0.75       | 380         | 50             | Ø6 connector sleeve                   |
| JYPZ7/44                   | 7          | 44             | 10                    |                        |                    |            |             |                |                                       |
| JYPZ10/30                  | 10         | 30             | 12                    |                        |                    |            |             |                |                                       |
| JYPZ18/22                  | 18         | 22             | 12                    | 144                    |                    |            |             |                | Ø10 connector sleeve                  |
| JYPZ23/17                  | 23         | 17             | 16                    | 96                     |                    |            |             |                |                                       |
| JYPZ37/12                  | 37         | 12             | 16                    | 144                    |                    |            |             |                |                                       |
| JYPZ50/10                  | 50         | 10             | 18                    |                        |                    |            |             |                |                                       |
| JYPZ62/8                   | 62         | 8              | 20                    |                        |                    |            |             |                |                                       |
| JYPZ75/6.5                 | 75         | 6.5            | 22                    |                        |                    |            |             |                |                                       |
| JYPZ100/5.0                | 100        | 5              | 25                    |                        |                    |            |             |                |                                       |
| JYPZ140/3.5                | 140        | 3.5            | 30                    |                        |                    |            |             |                |                                       |
| JYPZ160/3.2                | 160        | 3.2            | 32                    |                        |                    |            |             |                |                                       |
| JYPZ205/2.5                | 205        | 2.5            | 36                    |                        |                    |            |             |                | Ø15 connector sleeve                  |
| JYPZ260/2.0                | 260        | 2              | 40                    |                        |                    |            |             |                |                                       |
| JYPZ330/1.6                | 330        | 1.6            | 45                    |                        |                    |            |             |                | DN25 Flange (HG/T20592RF)             |
| JYPZ410/1.3                | 410        | 1.3            | 50                    |                        |                    |            |             |                |                                       |
| JYPZ500/1.0                | 500        | 1              | 55                    |                        |                    |            |             |                |                                       |
| JYPZ600/0.8                | 600        | 0.8            | 60                    |                        |                    |            |             |                |                                       |
| JYPZ700/0.7                | 700        | 0.7            | 65                    |                        |                    |            |             |                |                                       |
| JYPZ810/0.6                | 810        | 0.6            | 70                    |                        |                    |            |             |                |                                       |

Note: Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.



JYPR Hydraulic Diaphragm Metering Pump

Technical Data

1. Flow Range (Single-Head): Qmax = 1980 L/h

2. Pressure Range: Pmax = 70 Mpa

3. Standard Configuration:

- Wetted-End Materials: 304, 316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Wetted-End Materials: 316, PVDF/PTFE, 904, 2205, Titanium, Hastelloy C;
- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;
- Diaphragm rupture detection and double-diaphragm rupture alarm;



| Performance Specifications |               |                   |                          |                                 |                       |               |                |                   |                                          |     |
|----------------------------|---------------|-------------------|--------------------------|---------------------------------|-----------------------|---------------|----------------|-------------------|------------------------------------------|-----|
| Model                      | Flow<br>(L/h) | Pressure<br>(MPa) | Plunger Diameter<br>(mm) | Stroke Frequency<br>(spm)       | Stroke Length<br>(mm) | Power<br>(kW) | Voltage<br>(V) | Frequency<br>(Hz) | Connection Methods<br>(Inlet and Outlet) |     |
| JYPR7/70                   | 7             | 70                | 10                       | 96                              | 30                    | 1.5           | 380            | 50                | Ø6 connector sleeve                      |     |
| JYPR12/55                  | 12            | 55                | 12                       |                                 |                       |               |                |                   | Ø10 connector sleeve                     |     |
| JYPR25/30                  | 25            | 30                | 16                       |                                 |                       |               |                |                   |                                          |     |
| JYPR42/22                  | 42            | 22                | 16                       | 144                             |                       |               |                |                   |                                          |     |
| JYPR56/18                  | 56            | 18                | 18                       |                                 |                       |               |                |                   |                                          |     |
| JYPR72/15                  | 72            | 15                | 20                       |                                 |                       |               |                |                   |                                          |     |
| JYPR90/12.5                | 90            | 12.5              | 22                       |                                 |                       |               |                |                   |                                          |     |
| JYPR115/9.5                | 115           | 9.5               | 25                       |                                 |                       |               |                |                   |                                          |     |
| JYPR130/8.0                | 130           | 8                 | 32                       |                                 |                       |               |                |                   | 96                                       | 144 |
| JYPR170/6.5                | 170           | 6.5               | 30                       |                                 |                       |               |                |                   |                                          |     |
| JYPR200/5.8                | 200           | 5.8               | 32                       |                                 |                       |               |                |                   |                                          |     |
| JYPR250/4.5                | 250           | 4.5               | 36                       |                                 |                       |               |                |                   |                                          |     |
| JYPR310/3.7                | 310           | 3.7               | 40                       |                                 |                       |               |                |                   |                                          |     |
| JYPR400/3.0                | 400           | 3                 | 45                       |                                 |                       |               |                |                   |                                          |     |
| JYPR500/2.4                | 500           | 2.4               | 50                       | DN25<br>Flange<br>(HG/T20592RF) |                       |               |                |                   |                                          |     |
| JYPR600/2.0                | 600           | 2                 | 55                       |                                 |                       |               |                |                   |                                          |     |
| JYPR710/1.7                | 710           | 1.7               | 60                       |                                 |                       |               |                |                   |                                          |     |
| JYPR830/1.4                | 830           | 1.4               | 65                       |                                 |                       |               |                |                   |                                          |     |
| JYPR960/1.2                | 960           | 1.2               | 70                       |                                 |                       |               |                |                   |                                          |     |
| JYPR1100/1.0               | 1100          | 1                 | 75                       |                                 |                       |               |                |                   | DN40<br>Flange<br>(HG/T20592RF)          |     |
| JYPR1250/0.9               | 1250          | 0.9               | 80                       |                                 |                       |               |                |                   |                                          |     |
| JYPR1420/0.8               | 1420          | 0.8               | 85                       |                                 |                       |               |                |                   |                                          |     |
| JYPR1600/0.7               | 1600          | 0.7               | 90                       |                                 |                       |               |                |                   |                                          |     |
| JYPR1800/0.6               | 1800          | 0.6               | 95                       |                                 |                       |               |                |                   |                                          |     |
| JYPR1980/0.5               | 1980          | 0.5               | 100                      |                                 |                       |               |                |                   |                                          |     |

Note: Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.

JYPD Hydraulic Diaphragm Metering Pump

Technical Data

1. Flow Range (Single-Head): Qmax = 4000 L/h

2. Pressure Range: Pmax = 70 Mpa

3. Standard Configuration:

- Wetted-End Materials: 304, 316L;
- Voltage: 380 V
- Frequency: 50 Hz

4. Optional Configuration:

- Wetted-End Materials: 316, PVDF/PTFE, 904, 2205, Titanium, Hastelloy C;
- Motor variable-frequency drive / explosion-proof motor;
- Special voltage/frequency;
- Diaphragm rupture detection and double-diaphragm rupture alarm;



| Performance Specifications |               |                   |      |                          |                           |                       |                |                   |                                          |
|----------------------------|---------------|-------------------|------|--------------------------|---------------------------|-----------------------|----------------|-------------------|------------------------------------------|
| Model                      | Flow<br>(L/h) | Pressure<br>(MPa) |      | Plunger Diameter<br>(mm) | Stroke Frequency<br>(spm) | Stroke Length<br>(mm) | Voltage<br>(V) | Frequency<br>(Hz) | Connection Methods<br>(Inlet and Outlet) |
|                            |               | 3 kW              | 4 kW |                          |                           |                       |                |                   |                                          |
| JYPD15/70                  | 15            | 70                | /    | 12                       | 96                        | 50                    | 380            | 50                | Ø10 connector sleeve                     |
| JYPD30/(52/70)             | 30            | 52                | 70   | 12                       | 144                       |                       |                |                   |                                          |
| JYPD40/(40/60)             | 40            | 40                | 60   | 16                       | 96                        |                       |                |                   |                                          |
| JYPD65/(28/40)             | 65            | 28                | 40   | 16                       |                           |                       |                |                   |                                          |
| JYPD90/(22/30)             | 90            | 22                | 30   | 18                       |                           |                       |                |                   |                                          |
| JYPD110/(18/25)            | 110           | 18                | 25   | 20                       |                           |                       |                |                   |                                          |
| JYPD140/(15/21)            | 140           | 15                | 21   | 22                       |                           |                       |                |                   |                                          |
| JYPD190/(11.5/16)          | 190           | 11.5              | 16   | 25                       |                           |                       |                |                   |                                          |
| JYPD270/(8.2/11)           | 270           | 8.2               | 11   | 30                       |                           |                       |                |                   |                                          |
| JYPD320/(7.2/10)           | 320           | 7.2               | 10   | 32                       |                           |                       |                |                   |                                          |
| JYPD410/(5.8/8)            | 410           | 5.8               | 8    | 36                       |                           |                       |                |                   |                                          |
| JYPD520/(4.6/6.5)          | 520           | 4.6               | 6.5  | 40                       |                           |                       |                |                   |                                          |
| JYPD650/(3.6/5.1)          | 650           | 3.6               | 5.1  | 45                       |                           |                       |                |                   |                                          |
| JYPD820/(2.9/4.2)          | 820           | 2.9               | 4.2  | 50                       |                           |                       |                |                   |                                          |
| JYPD1000/(2.4/3.4)         | 1000          | 2.4               | 3.4  | 55                       |                           |                       |                |                   |                                          |
| JYPD1200/(2/2.9)           | 1200          | 2                 | 2.9  | 60                       |                           |                       |                |                   |                                          |
| JYPD1300/(1.8/2.6)         | 1300          | 1.8               | 2.6  | 63                       |                           |                       |                |                   |                                          |
| JYPD1400/(1.7/2.4)         | 1400          | 1.7               | 2.4  | 65                       |                           |                       |                |                   |                                          |
| JYPD1600/(1.5/2)           | 1600          | 1.5               | 2    | 70                       |                           |                       |                |                   |                                          |
| JYPD1850/(1.3/1.8)         | 1850          | 1.3               | 1.8  | 75                       |                           |                       |                |                   |                                          |
| JYPD2100/(1.1/1.6)         | 2100          | 1.1               | 1.6  | 80                       |                           |                       |                |                   |                                          |
| JYPD2400/(1/1.4)           | 2400          | 1                 | 1.4  | 85                       |                           |                       |                |                   |                                          |
| JYPD2700/(0.8/1.2)         | 2700          | 0.8               | 1.2  | 90                       |                           |                       |                |                   |                                          |
| JYPD3000/(0.7/1.1)         | 3000          | 0.7               | 1.1  | 95                       |                           |                       |                |                   |                                          |
| JYPD3350/(0.6/0.9)         | 3350          | 0.6               | 0.9  | 100                      |                           |                       |                |                   |                                          |
| JYPD3700/(0.6/0.8)         | 3700          | 0.6               | 0.8  | 105                      |                           |                       |                |                   |                                          |
| JYPD4000/(0.4/0.6)         | 4000          | 0.4               | 0.6  | 110                      |                           |                       |                |                   |                                          |

Note: Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.

## JYPG Hydraulic Diaphragm Metering Pump

### Technical Data

1. Flow Range (Single-Head): Qmax = 1,4200 L/h
2. Pressure Range: Pmax = 70 Mpa
3. Standard Configuration:
  - Wetted-End Materials: 304, 316L;
  - Voltage: 380 V
  - Frequency: 50 Hz
4. Optional Configuration:
  - Wetted-End Materials: 316, PVDF/PTFE, 904, 2205, Titanium, Hastelloy C;
  - Motor variable-frequency drive / explosion-proof motor;
  - Special voltage/frequency;
  - Diaphragm rupture detection and double-diaphragm rupture alarm;



### Performance Specifications

| Model                       | Flow<br>(L/h) | Pressure (MPa) |        |       |       | Plunger Diameter<br>(mm) | Stroke Frequency<br>(spm) | Stroke Length<br>(mm) | Voltage<br>(V) | Frequency<br>(Hz) | Connection Methods<br>(Inlet and Outlet)         |                                  |
|-----------------------------|---------------|----------------|--------|-------|-------|--------------------------|---------------------------|-----------------------|----------------|-------------------|--------------------------------------------------|----------------------------------|
|                             |               | 5.5 kW         | 7.5 kW | 11 kW | 15 kW |                          |                           |                       |                |                   |                                                  |                                  |
| JYPG80/(50/70)              | 80            | 50             | 70     | /     | /     | 16                       | 144                       | 60                    | 380            | 50                | DN15<br>Flange<br>(HG/T20615TG)                  |                                  |
| JYPG130/(30/52/66/70)       | 130           | 30             | 52     | 66    | 70    | 20                       |                           |                       |                |                   |                                                  |                                  |
| JYPG210/(21/30/43/58)       | 210           | 21             | 30     | 43    | 58    | 25                       |                           |                       |                |                   |                                                  |                                  |
| JYPG310/(15/21/30/40)       | 310           | 15             | 21     | 30    | 40    | 30                       |                           |                       |                |                   |                                                  |                                  |
| JYPG370/(13.2/18.5/27/36)   | 370           | 13.2           | 18.5   | 27    | 36    | 32                       |                           |                       |                |                   |                                                  |                                  |
| JYPG500/(10.7/14.5/23/28)   | 500           | 10.7           | 14.5   | 23    | 28    | 36                       |                           |                       |                |                   | DN25<br>Flange<br>(HG/T20615TG)                  |                                  |
| JYPG610/(8.6/12/18/23)      | 610           | 8.6            | 12     | 18    | 23    | 40                       |                           |                       |                |                   |                                                  |                                  |
| JYPG780/(6.8/9.5/14/18)     | 780           | 6.8            | 9.5    | 14    | 18    | 45                       |                           |                       |                |                   |                                                  |                                  |
| JYPG960/(5.4/7.6/11/15)     | 960           | 5.4            | 7.6    | 11    | 15    | 50                       |                           |                       |                |                   |                                                  |                                  |
| JYPG1200/(4.5/6.3/9.5/12)   | 1200          | 4.5            | 6.3    | 9.5   | 12    | 55                       |                           |                       |                |                   |                                                  |                                  |
| JYPG1400/(3.8/5.4/8/10)     | 1400          | 3.8            | 5.4    | 8     | 10    | 60                       |                           |                       |                |                   | DN40<br>Flange<br>(HG/T20615TG)<br>(HG/T20592RF) |                                  |
| JYPG1560/(3.5/4.8/7.3/9)    | 1560          | 3.5            | 4.8    | 7.3   | 9     | 63                       |                           |                       |                |                   |                                                  |                                  |
| JYPG1670/(3.2/4.5/6.7/8.5)  | 1670          | 3.2            | 4.5    | 6.7   | 8.5   | 65                       |                           |                       |                |                   |                                                  |                                  |
| JYPG1910/(2.8/4/6/8)        | 1910          | 2.8            | 4      | 6     | 8     | 70                       |                           |                       |                |                   |                                                  |                                  |
| JYPG2200/(2.4/3.5/5.1/7)    | 2200          | 2.4            | 3.5    | 5.1   | 7     | 75                       |                           |                       |                |                   |                                                  |                                  |
| JYPG2500/(2.2/3.1/4.5/6)    | 2500          | 2.2            | 3.1    | 4.5   | 6     | 80                       |                           |                       |                |                   | DN50<br>Flange<br>(HG/T20592RF)                  |                                  |
| JYPG2850/(2/2.7/4/5.2)      | 2850          | 2              | 2.7    | 4     | 5.2   | 85                       |                           |                       |                |                   |                                                  |                                  |
| JYPG3200/(1.8/2.4/3.6/4.6)  | 3200          | 1.8            | 2.4    | 3.6   | 4.6   | 90                       |                           |                       |                |                   |                                                  |                                  |
| JYPG3600/(1.6/2.1/3.2/4.1)  | 3600          | 1.6            | 2.1    | 3.2   | 4.1   | 95                       |                           |                       |                |                   |                                                  |                                  |
| JYPG4000/(1.4/1.9/2.8/3.6)  | 4000          | 1.4            | 1.9    | 2.8   | 3.6   | 100                      |                           |                       |                |                   |                                                  |                                  |
| JYPG4800/(1.2/1.6/2.4/3)    | 4800          | 1.2            | 1.6    | 2.4   | 3     | 110                      |                           |                       |                |                   | DN65<br>Flange<br>(HG/T20592RF)                  |                                  |
| JYPG5700/(1/1.3/2/2.5)      | 5700          | 1              | 1.3    | 2     | 2.5   | 120                      |                           |                       |                |                   |                                                  |                                  |
| JYPG6750/(0.8/1.1/1.7/2.1)  | 6750          | 0.8            | 1.1    | 1.7   | 2.1   | 130                      |                           |                       |                |                   |                                                  |                                  |
| JYPG7800/(0.7/1/1.5/1.9)    | 7800          | 0.7            | 1      | 1.5   | 1.9   | 140                      |                           |                       |                |                   |                                                  |                                  |
| JYPG9000/(0.6/0.8/1.2/1.5)  | 9000          | 0.6            | 0.8    | 1.2   | 1.5   | 150                      |                           |                       |                |                   |                                                  |                                  |
| JYPG10200/(0.5/0.7/1/1.3)   | 10200         | 0.5            | 0.7    | 1     | 1.3   | 160                      |                           |                       |                |                   | DN80<br>Flange<br>(HG/T20592RF)                  |                                  |
| JYPG11500/(0.4/0.6/0.9/1.2) | 11500         | 0.4            | 0.6    | 0.9   | 1.2   | 170                      |                           |                       |                |                   |                                                  |                                  |
| JYPG12800/(0.5/0.8/1)       | 12800         | /              | 0.5    | 0.8   | 1     | 180                      |                           |                       |                |                   |                                                  |                                  |
| JYPG14200/(0.6/0.8)         | 14200         | /              | /      | 0.6   | 0.8   | 190                      |                           |                       |                |                   |                                                  | DN100<br>Flange<br>(HG/T20592RF) |
|                             |               |                |        |       |       |                          |                           |                       |                |                   |                                                  |                                  |

**Note:** Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.

## JYPW Hydraulic Diaphragm Metering Pump

### Technical Data

1. Flow Range (Single-Head): Qmax = 2,1000 L/h
2. Pressure Range: Pmax = 70 Mpa
3. Standard Configuration:
  - Wetted-End Materials: 304, 316L;
  - Voltage: 380 V
  - Frequency: 50 Hz
4. Optional Configuration:
  - Wetted-End Materials: 316, PVDF/PTFE, 904, 2205, Titanium, Hastelloy C;
  - Motor variable-frequency drive / explosion-proof motor;
  - Special voltage/frequency;
  - Diaphragm rupture detection and double-diaphragm rupture alarm;



### Performance Specifications

| Model                        | Flow<br>(L/h) | Pressure (MPa) |         |       |       | Plunger Diameter<br>(mm) | Stroke Frequency<br>(spm) | Stroke Length<br>(mm) | Voltage<br>(V) | Frequency<br>(Hz) | Connection Methods<br>(Inlet and Outlet)         |
|------------------------------|---------------|----------------|---------|-------|-------|--------------------------|---------------------------|-----------------------|----------------|-------------------|--------------------------------------------------|
|                              |               | 15 kW          | 18.5 kW | 22 kW | 30 kW |                          |                           |                       |                |                   |                                                  |
| JYPW110/70                   | 110           | 70             | /       | /     | /     | 20                       | 96                        | 80                    | 380            | 50                | DN15<br>Flange<br>(HG/T20615TG)                  |
| JYPW180/(65/70)              | 180           | 65             | 70      | /     | /     | 25                       |                           |                       |                |                   | DN25<br>Flange<br>(HG/T20615TG)                  |
| JYPW260/(45/58/70)           | 260           | 45             | 58      | 70    | /     | 30                       |                           |                       |                |                   |                                                  |
| JYPW310/(40/50/60/70)        | 310           | 40             | 50      | 60    | 70    | 32                       |                           |                       |                |                   |                                                  |
| JYPW380/(32/41/48/66)        | 380           | 32             | 41      | 48    | 66    | 36                       |                           |                       |                |                   |                                                  |
| JYPW500/(27/34/40/54)        | 500           | 27             | 34      | 40    | 54    | 40                       |                           |                       |                |                   |                                                  |
| JYPW650/(21/27/31/42)        | 650           | 21             | 27      | 31    | 42    | 45                       |                           |                       |                |                   | DN40<br>Flange<br>(HG/T20615TG)<br>(HG/T20592RF) |
| JYPW820/(17/21/25.5/35)      | 820           | 17             | 21      | 25.5  | 35    | 50                       |                           |                       |                |                   |                                                  |
| JYPW1000/(14.5/17.5/21/29)   | 1000          | 14.5           | 17.5    | 21    | 29    | 55                       |                           |                       |                |                   |                                                  |
| JYPW1200/(12/15/18/24)       | 1200          | 12             | 15      | 18    | 24    | 60                       |                           |                       |                |                   |                                                  |
| JYPW1320/(11/13.5/16/21)     | 1320          | 11             | 13.5    | 16    | 21    | 63                       |                           |                       |                |                   |                                                  |
| JYPW1410/(10.2/12.8/15.2/20) | 1410          | 10.2           | 12.8    | 15.2  | 20    | 65                       |                           |                       |                |                   |                                                  |
| JYPW1650/(9/11/13/18)        | 1650          | 9              | 11      | 13    | 18    | 70                       |                           |                       |                |                   | DN50<br>Flange<br>(HG/T20592RF)                  |
| JYPW1900/(8/10/12/16)        | 1900          | 8              | 10      | 12    | 16    | 75                       |                           |                       |                |                   |                                                  |
| JYPW2200/(7/8.5/10.5/14)     | 2200          | 7              | 8.5     | 10.5  | 14    | 80                       |                           |                       |                |                   |                                                  |
| JYPW2450/(6/7.5/9/12)        | 2450          | 6              | 7.5     | 9     | 12    | 85                       |                           |                       |                |                   |                                                  |
| JYPW2800/(5.4/6.8/8/10.6)    | 2800          | 5.4            | 6.8     | 8     | 10.6  | 90                       |                           |                       |                |                   |                                                  |
| JYPW3100/(4.8/6/7/9.5)       | 3100          | 4.8            | 6       | 7/    | 9.5   | 95                       |                           |                       |                |                   | DN65<br>Flange<br>(HG/T20592RF)                  |
| JYPW3400/(4.4/5.5/6.5/8.8)   | 3400          | 4.4            | 5.5     | 6.5   | 8.8   | 100                      |                           |                       |                |                   |                                                  |
| JYPW4200/(3.5/4.5/5.3/7)     | 4200          | 3.5            | 4.5     | 5.3   | 7     | 110                      |                           |                       |                |                   |                                                  |
| JYPW5000/(3/3.8/4.5/6)       | 5000          | 3              | 3.8     | 4.5   | 6     | 120                      |                           |                       |                |                   |                                                  |
| JYPW5800/(2.5/3.2/3.8/5.1)   | 5800          | 2.5            | 3.2     | 3.8   | 5.1   | 130                      |                           |                       |                |                   | DN80<br>Flange<br>(HG/T20592RF)                  |
| JYPW6800/(2.2/2.8/3.3/4.5)   | 6800          | 2.2            | 2.8     | 3.3   | 4.5   | 140                      |                           |                       |                |                   |                                                  |
| JYPW8000/(1.9/2.4/2.9/3.9)   | 8000          | 1.9            | 2.4     | 2.9   | 3.9   | 150                      |                           |                       |                |                   |                                                  |
| JYPW9000/(1.7/2.1/2.5/3.4)   | 9000          | 1.7            | 2.1     | 2.5   | 3.4   | 160                      |                           |                       |                |                   |                                                  |
| JYPW10100/(1.5/1.9/2.2/3)    | 10100         | 1.5            | 1.9     | 2.2   | 3     | 170                      |                           |                       |                |                   | DN100<br>Flange<br>(HG/T20592RF)                 |
| JYPW11400/(1.4/1.7/2/2.8)    | 11400         | 1.4            | 1.7     | 2     | 2.8   | 180                      |                           |                       |                |                   |                                                  |
| JYPW12700/(1.2/1.5/1.8/2.5)  | 12700         | 1.2            | 1.5     | 1.8   | 2.5   | 190                      |                           |                       |                |                   |                                                  |
| JYPW14000/(1.1/1.4/1.6/2.3)  | 14000         | 1.1            | 1.4     | 1.6   | 2.3   | 200                      |                           |                       |                |                   |                                                  |
| JYPW15200/(1.1/1.3/1.5/2.2)  | 15200         | 1.1            | 1.3     | 1.5   | 2.2   | 170                      | 144                       |                       |                |                   | DN125<br>Flange<br>(HG/T20592RF)                 |
| JYPW17000/(1/1.2/1.5/2)      | 17000         | 1              | 1.2     | 1.5   | 2     | 180                      |                           |                       |                |                   |                                                  |
| JYPW19000/(0.9/1.1/1.3/1.8)  | 19000         | 0.8            | 1.1     | 1.3   | 1.8   | 190                      |                           |                       |                |                   |                                                  |
| JYPW21000/(0.8/1/1.2/1.6)    | 21000         | 0.8            | 1       | 1.2   | 1.6   | 200                      |                           |                       |                |                   |                                                  |

**Note:** Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.



■ 2TJYPZ Hydraulic Diaphragm Metering Pump

Technical Data

1. Flow Range (Single-Head): Qmax = 1600 L/h
2. Pressure Range: Pmax = 70 Mpa
3. Standard Configuration:

- Wetted-End Materials: 304, 316L;

- Voltage: 380 V

- Frequency: 50 Hz
4. Optional Configuration:

- Wetted-End Materials: 316, PVDF/PTFE, 904, 2205, Titanium, Hastelloy C;

- Motor variable-frequency drive / explosion-proof motor;

- Special voltage/frequency;

- Diaphragm rupture detection and double-diaphragm rupture alarm;



Performance Specifications

| Model                    | Flow<br>(L/h) | Pressure<br>(MPa) |        |        | Plunger Diameter<br>(mm) | Stroke Frequency<br>(spm) | Stroke Length<br>(mm) | Voltage<br>(V) | Frequency<br>(Hz) | Connection Methods<br>(Inlet and Outlet) |     |
|--------------------------|---------------|-------------------|--------|--------|--------------------------|---------------------------|-----------------------|----------------|-------------------|------------------------------------------|-----|
|                          |               | 0.75 kW           | 1.1 kW | 1.5 kW |                          |                           |                       |                |                   |                                          |     |
| 2TJYPZ8/(56/70)          | 8             | 56                | 70     | /      | 8                        | 96                        | 25                    | 380            | 50                | Ø6 connector sleeve                      |     |
| 2TJYPZ13/(36/55/68)      | 13            | 36                | 55     | 68     | 10                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ20/(25/40/56)      | 20            | 25                | 40     | 56     | 12                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ36/(19/29/41)      | 36            | 19                | 29     | 41     | 12                       | 144                       |                       |                |                   | Ø10 connector sleeve                     |     |
| 2TJYPZ46/(14/22/31)      | 46            | 14                | 22     | 31     | 16                       | 96                        |                       |                |                   |                                          |     |
| 2TJYPZ72/(10/16/23)      | 72            | 10                | 16     | 23     | 16                       | 144                       |                       |                |                   |                                          |     |
| 2TJYPZ95/(8.5/13/18)     | 95            | 8.5               | 13     | 18     | 18                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ120/(7/11/15)      | 120           | 7                 | 11     | 15     | 20                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ150/(5.8/9/12.5)   | 150           | 5.8               | 9      | 12.5   | 22                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ200/(4.3/6.8/9.5)  | 200           | 4.3               | 6.8    | 9.5    | 25                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ270/(3/4.7/6.8)    | 270           | 3                 | 4.7    | 6.8    | 30                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ320/(2.8/4.2/6)    | 320           | 2.8               | 4.2    | 6      | 32                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ400/(2.1/3.2/4.8)  | 400           | 2.1               | 3.2    | 4.8    | 36                       |                           |                       |                |                   |                                          | 144 |
| 2TJYPZ500/(1.7/2.6/3.8)  | 500           | 1.7               | 2.6    | 3.8    | 40                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ650/(1.4/2.1/3.1)  | 650           | 1.4               | 2.1    | 3.1    | 45                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ800/(1.1/1.7/2.4)  | 800           | 1.1               | 1.7    | 2.4    | 50                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ1000/(0.9/1.4/1.9) | 1000          | 0.9               | 1.4    | 1.9    | 55                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ1200/(0.7/1.1/1.6) | 1200          | 0.7               | 1.1    | 1.6    | 60                       | Ø15 connector sleeve      |                       |                |                   |                                          |     |
| 2TJYPZ1400/(0.6/1/1.3)   | 1400          | 0.6               | 1      | 1.3    | 65                       |                           |                       |                |                   |                                          |     |
| 2TJYPZ1600/(0.5/0.8/1.1) | 1600          | 0.5               | 0.8    | 1.1    | 70                       |                           |                       |                |                   |                                          |     |
|                          |               |                   |        |        |                          |                           |                       |                |                   | DN25<br>Flange<br>(HG/T20592RF)          |     |
|                          |               |                   |        |        |                          |                           |                       |                |                   |                                          |     |
|                          |               |                   |        |        |                          |                           |                       |                |                   |                                          |     |
|                          |               |                   |        |        |                          |                           |                       |                |                   |                                          |     |

**Note:** Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.

■ 2TJYPD Hydraulic Diaphragm Metering Pump

Technical Data

1. Flow Range (Dual-Head): Qmax = 6600 L/h
2. Pressure Range: Pmax = 70 Mpa
3. Standard Configuration:

- Wetted-End Materials: 304, 316L;

- Voltage: 380 V

- Frequency: 50 Hz
4. Optional Configuration:

- Wetted-End Materials: 316, PVDF/PTFE, 904, 2205, Titanium, Hastelloy C;

- Motor variable-frequency drive / explosion-proof motor;

- Special voltage/frequency;



Performance Specifications

| Model                | Flow<br>(L/h) | Pressure (MPa) |      | Plunger<br>Diameter<br>(mm) | Stroke<br>Frequency<br>(spm) | Stroke Length<br>(mm) | Voltage<br>(V) | Frequency<br>(Hz) | Connection<br>Methods<br>(Inlet and Outlet) |
|----------------------|---------------|----------------|------|-----------------------------|------------------------------|-----------------------|----------------|-------------------|---------------------------------------------|
|                      |               | 3 kW           | 4 kW |                             |                              |                       |                |                   |                                             |
| 2TJYPD30/(58/70)     | 30            | 58             | 70   | 12                          | 96                           | 50                    | 380            | 50                | Ø10 connector<br>sleeve                     |
| 2TJYPD60/(44/62)     | 60            | 44             | 62   | 12                          | 144                          |                       |                |                   |                                             |
| 2TJYPD80/(35/48)     | 80            | 35             | 48   | 16                          | 96                           |                       |                |                   |                                             |
| 2TJYPD130/(26/35)    | 130           | 26             | 35   | 16                          | 144                          |                       |                |                   |                                             |
| 2TJYPD180/(19/28)    | 180           | 19             | 28   | 18                          |                              |                       |                |                   |                                             |
| 2TJYPD220/(16/22)    | 220           | 16             | 22   | 20                          |                              |                       |                |                   |                                             |
| 2TJYPD280/(13.5/18)  | 280           | 13.5           | 18   | 22                          |                              |                       |                |                   |                                             |
| 2TJYPD380/(10.5/15)  | 380           | 10.5           | 15   | 25                          |                              |                       |                |                   |                                             |
| 2TJYPD540/(7.4/10)   | 540           | 7.4            | 10   | 30                          |                              |                       |                |                   |                                             |
| 2TJYPD640/(6.3/8.6)  | 640           | 6.3            | 8.6  | 32                          |                              |                       |                |                   |                                             |
| 2TJYPD820/(5/7)      | 820           | 5              | 7    | 36                          |                              |                       |                |                   |                                             |
| 2TJYPD1000/(4.1/5.6) | 1000          | 4.1            | 5.6  | 40                          |                              |                       |                |                   |                                             |
| 2TJYPD1300/(3.2/4.5) | 1300          | 3.2            | 4.5  | 45                          |                              |                       |                |                   |                                             |
| 2TJYPD1600/(2.6/3.6) | 1600          | 2.6            | 3.6  | 50                          |                              |                       |                |                   |                                             |
| 2TJYPD2000/(2.1/3)   | 2000          | 2.1            | 3    | 55                          |                              |                       |                |                   |                                             |
| 2TJYPD2400/(1.8/2.6) | 2400          | 1.8            | 2.6  | 60                          |                              |                       |                |                   |                                             |
| 2TJYPD2600/(1.6/2.3) | 2600          | 1.6            | 2.3  | 63                          |                              |                       |                |                   |                                             |
| 2TJYPD2800/(1.5/2.1) | 2800          | 1.5            | 2.1  | 65                          |                              |                       |                |                   |                                             |
| 2TJYPD3200/(1.3/1.8) | 3200          | 1.3            | 1.8  | 70                          |                              |                       |                |                   |                                             |
| 2TJYPD3600/(1.2/1.6) | 3600          | 1.2            | 1.6  | 75                          |                              |                       |                |                   |                                             |
| 2TJYPD4200/(1/1.4)   | 4200          | 1              | 1.4  | 80                          |                              |                       |                |                   |                                             |
| 2TJYPD4800/(0.9/1.3) | 4800          | 0.9            | 1.3  | 85                          |                              |                       |                |                   |                                             |
| 2TJYPD5300/(0.8/1.1) | 5300          | 0.8            | 1.1  | 90                          |                              |                       |                |                   |                                             |
| 2TJYPD6000/(0.7/1)   | 6000          | 0.7            | 1    | 95                          |                              |                       |                |                   |                                             |
| 2TJYPD6600/(0.6/0.9) | 6600          | 0.6            | 0.9  | 100                         |                              |                       |                |                   |                                             |

**Note:** Dual-head or multi-head parallel configurations are available to increase flow capacity, reduce pulsation, improve energy efficiency, or achieve proportional dosing of multiple fluids.

## ■ Hydraulic Double-Diaphragm Metering Pump

### Summary

- The Hydraulic Double-Diaphragm Metering Pump is developed from the hydraulic diaphragm metering pump by incorporating an additional diaphragm layer and an integrated diaphragm monitoring system. The double-diaphragm design prevents leakage caused by diaphragm failure and provides enhanced operational safety.
- Equipped with diaphragm rupture detection and alarm functions, the pump ensures early fault detection and reliable protection for critical applications.
- Performance Range  
Maximum flow rate per pump head:  $\leq 2,1000$  L/h  
Maximum discharge pressure:  $\leq 70$  Mpa



### Applications

The Hydraulic Double-Diaphragm Metering Pump is designed for demanding and safety-critical applications involving the metering and transfer of hazardous or valuable fluids, including:

- Highly corrosive fluids
- Volatile fluids
- Flammable and explosive fluids
- Toxic and hazardous chemicals
- Malodorous fluids
- High-density fluids
- High-viscosity fluids
- Radioactive fluids
- High-value media

Typical industries include:

Chemical Processing · Oil & Gas · Environmental Protection · Power Generation · Pharmaceutical · Mining · Metallurgy · Pulp & Paper

### Advantages

#### 1. Integrated Diaphragm Monitoring and Safety System

The pump features an integrated control system, diaphragm monitoring sensor, and audible/visual alarm. Compared with conventional local indicating instruments, the system provides faster response, more reliable monitoring, and enhanced operational safety.

#### 2. Patented Integrated Stroke Adjustment Mechanism

The patented integrated adjustable eccentric mechanism delivers high efficiency, excellent reliability, and stable performance. The stroke length can be continuously adjusted from 0 to 100%, while maintaining metering accuracy, repeatability, and linearity within  $\pm 1\%$ .

#### 3. High-Pressure Metal Diaphragm Configuration

Single-layer and multi-layer metal diaphragm configurations are available to meet high-pressure operating requirements, with maximum discharge pressure up to 70 Mpa.

#### 4. High-Precision Check Valve Assemblies

A wide range of high-precision check valve assemblies are available, including:

- Ball valve
- Stacked valve
- Angle valve

The reversible double-sided valve seat design extends service life, reduces replacement costs, and improves maintenance efficiency.

### Features

- Leak-Free Double-Diaphragm Sealing Design - The hydraulic end adopts a double-diaphragm sealing structure, ensuring leak-free operation and enhanced safety. During normal operation, the two diaphragms remain vacuum-contacted, ensuring high metering accuracy and reliable performance.
- Rapid Diaphragm Rupture Detection
  - In the event of diaphragm failure, the monitoring sensor detects rupture within 0.2 seconds and sends a feedback signal. The integrated control system immediately stops pump operation and activates an audible and visual alarm.
  - The alarm signal can also be transmitted to the central control system according to customer requirements, enabling rapid response and maintenance.
- Corrosion-Resistant PTFE Diaphragm - PTFE diaphragms are commonly used, providing excellent chemical resistance and temperature resistance for demanding applications.
- Built-In Overpressure Protection - The integrated overload relief valve automatically releases excessive pressure to protect the pump.  
Note: The relief function is designed for protection only and should not be used for continuous operation.
- Wide Application Range - The pump is suitable for a wide range of challenging operating conditions, including:

- High and low temperature fluids
- High-viscosity fluids
- Corrosive chemicals
- Solids-containing fluids
- Flammable and explosive media
- Toxic and malodorous fluids
- Radioactive fluids
- Flexible Multi-Head Configuration

- Duplex or multi-head parallel configurations - Available to increase flow capacity and reduce pulsation. Multiple fluids can also be metered simultaneously for proportional dosing applications.
- Advanced Automatic Control - An optional stroke controller enables extended automatic control functions and improves system integration capability.



Double Diaphragm  
with Local Pressure Gauge



Double Diaphragm  
with Alarm



Explosion-Proof Type



Mechanical Double-  
Diaphragm Type



# MULTI-HEAD METERING PUMP APPLICATION PHOTOS



Triplex Plunger Metering Pump



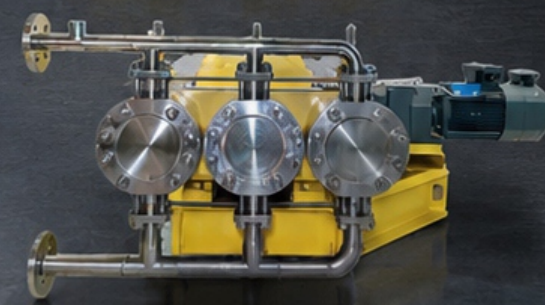
Duplex Plunger Metering Pump



Duplex Proportional Hydraulic Diaphragm Metering Pump



High-Pressure Plunger Reciprocating Pump



High-Pressure Diaphragm Reciprocating Pump

## ■ Metering Pump Stroke Controllers

### Summary

The Metering Pump Stroke Controller enables local or remote manual/automatic adjustment of the metering pump stroke length from 0 to 100%.

By manual percentage input or receiving external control signals, the controller automatically adjusts the stroke position to regulate the pump stroke length, thereby adjusting the output flow rate and achieving automatic flow control.

The stroke controller features local display of stroke percentage and analog flow rate (converted based on calibrated flow data), providing convenient operation, adjustment, and maintenance.



### Features

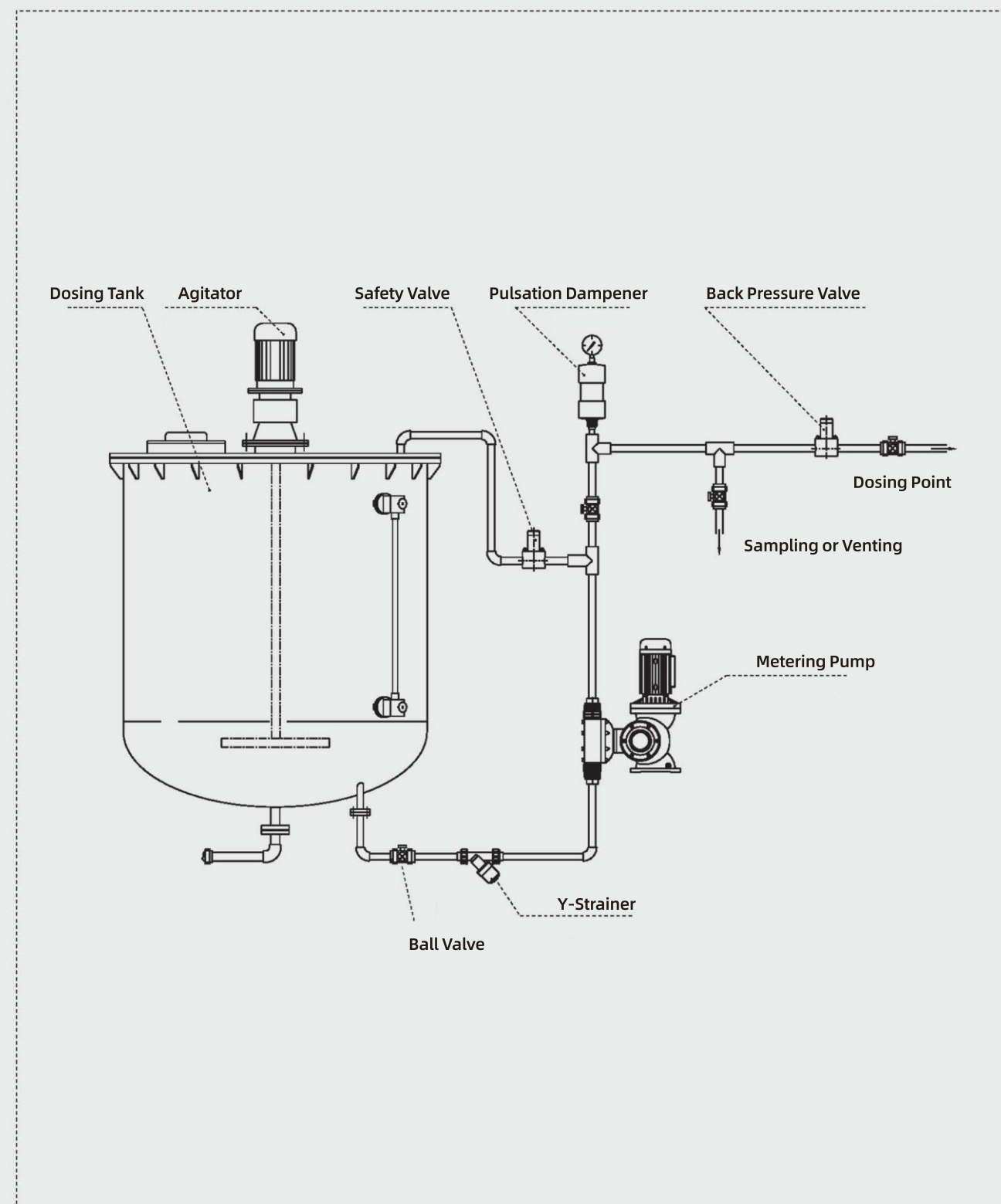
1. Adjustment Range: 0-100%;
2. No external auxiliary control equipment required;
3. Automatic stroke adjustment without affecting pump pulsation performance;
4. High adjustment accuracy with flow calibration function;
5. Highly integrated design, reducing operation and maintenance costs;
6. Automatic/manual adjustment mode switching;
7. Automatic position feedback after adjustment;
8. Automatic stroke position locking in the event of unexpected power failure;
9. Large LCD display for stroke setting percentage, actual stroke percentage, and analog flow rate;
10. Modular design, compatible with the full range of all series;

### Technical Specifications

- Rated Voltage: AC 220 V  $\pm$ 10%, 50/60 Hz
- Power: 25 W
- Holding Torque: 9 Nm
- Adjustment Speed: 0-100% (10 turns-100 sec)
- Control Signal: 4-20 mA
- Feedback Signal: 4-20 mA
- Large LCD Display: Set percentage, actual percentage, simulated flow rate
- Output Accuracy:  $\pm$ 0.5% F.S.
- Flow Display Accuracy:  $\pm$ 1.5% at 100% full scale
- Protection Rating: IP65
- Insulation Class: F
- Operating Temperature: -20°C to +50°C
- Relative Humidity: 90% at 25°C
- Weight: 3.5 kg (explosion-proof type: 5.5 kg)



# SCHEMATIC DIAGRAM OF DOSING SYSTEM



## ■ Liquid Dosing System

### Summary

The Liquid Dosing System is a modular, pre-engineered skid-mounted dosing package developed to meet diverse market requirements. Featuring a high level of system integration, advanced process design, and intelligent automation, the system consists of three major subsystems: solution preparation, pumping and piping, and electrical control.

Each subsystem can be customized according to specific customer requirements. With standardized engineering, compact structure, high expandability, and easy operation and maintenance, the system is designed to meet various operating conditions and application requirements.



### Features

1. Customized according to customer requirements, providing excellent adaptability, expandability, and convenient operation and maintenance;
2. The design, installation, and testing processes of each subsystem are standardized, featuring centralized integration and a high level of automation;
3. Solution preparation system include corrosion-resistant tank materials, number of solution tanks, tank volume, agitator selection, solution preparation time;
4. Pumping and piping system include pump type and quantity, flow rate, pressure rating, corrosion resistance requirements, standard piping accessories;
5. Electrical Control System include local and remote control, PLC + HMI control, Remote communication protocols, wireless communication modules;
6. The modular skid-mounted design provides a robust and compact structure, stable and reliable performance, and cost-effective operation;

### Applications

Environmental Water Treatment · Oil & Gas · Chemical Processing · Power Generation · Food Industry · Mining · Pharmaceutical Industry





# Dry Powder Dosing System

## Summary

The Dry Powder Dosing System is a modular, pre-engineered skid-mounted dosing package developed to meet diverse market requirements. Featuring high system integration, advanced process design, and a high level of automation, the system consists of four major subsystems: dry powder feeding, solution preparation, polymerization and piping, and electrical control.

Each subsystem can be customized according to specific customer requirements. With standardized engineering, compact structure, excellent expandability, and easy operation and maintenance, the system is designed to meet various operating conditions.

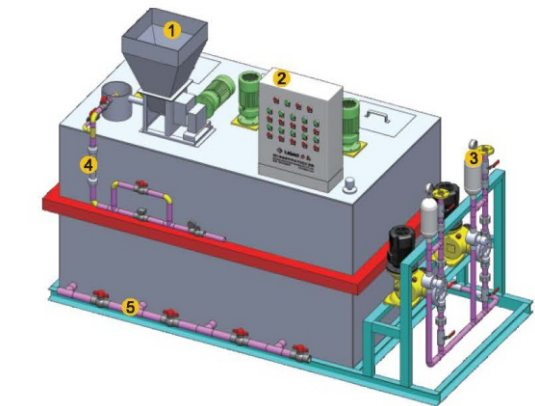


## Features

- 1. Customized according to customer requirements, providing excellent adaptability, expandability, and convenient operation and maintenance;
- 2. The design, installation, and testing processes of each subsystem are standardized, featuring centralized integration and a high level of automation;
- 3. Dry Powder feeding system include dry powder type and characteristics, hopper volume, dosing capacity and accuracy, solution concentration, electric heating, vibration assistance;
- 4. Solution preparation system include dry powder pre-mixing module, water inlet module, corrosion-resistant solution tank material, number of solution tanks, tank volume, agitator selection, preparation time;
- 5. Pumping and piping system include pump type and quantity, flow rate, pressure rating, corrosion resistance requirements, standard piping accessories;
- 6. Electrical Control System include local and remote control, PLC + HMI control, Remote communication protocols, wireless communication modules;
- 7. The modular skid-mounted design provides a robust and compact structure, stable and reliable performance, and cost-effective operation;

## Applications

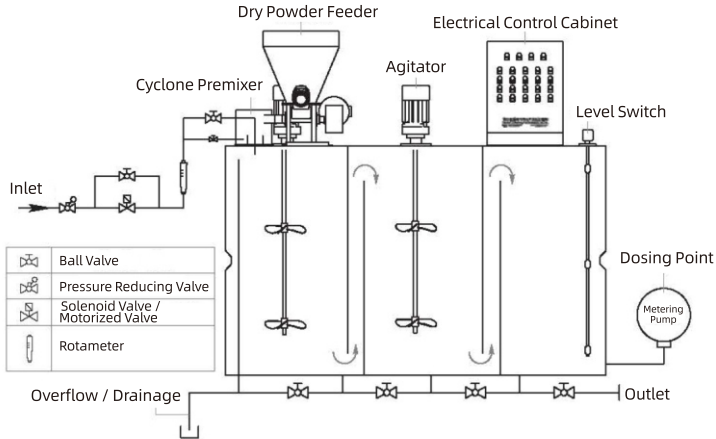
Environmental Water Treatment · Oil & Gas · Chemical Processing · Power Generation · Food Industry · Mining · Pharmaceutical Industry



### Engineering Schematic Diagram

- 1. Dry Powder Dosing
- 2. Automatic/Manual Control Panel
- 3. Metering Pump Dosing System
- 4. Automatic Inlet-Water Solution Preparation System
- 5. Overflow, Drainage, and Switching Valve Assembly

### Process Flow Diagram



# Accessory



**Pressure Relief Valve**  
The pressure relief valve releases excessive pressure in the system and piping in a timely manner to protect the pump. It also allows liquid recovery.

- Materials: PVC、304、316、PTFE、PVDF
- Sizes: DN8, DN15, DN20, DN25, DN32, DN40, DN50, Dn65;

**Back Pressure Valve**  
The back pressure valve prevents uncontrolled flow or siphoning caused by high pressure at the inlet side of the system and piping. It also isolates downstream pressure and provides a check valve function, while stabilizing discharge pressure to improve metering accuracy.

- Materials: PVC、304、316、PTFE、PVDF;
- Sizes: DN8, DN15, DN20, DN25, DN32, DN40, DN50, Dn65;



**Pulsation Dampener**  
A pulsation dampener can reduce pipeline pulsation generated by reciprocating pumps by 70-95%. It is generally installed close to the pump outlet. To prevent pump cavitation, it may also be installed on the pump inlet side.

- Types: air-chamber, diaphragm, and bladder;
- Volume Selection
  - Air-chamber type: at least 26 times the single-stroke volume of the metering pump
  - Diaphragm and bladder type: at least 10 times the single-stroke volume of the metering pump
- Materials: PVC, 304, 316, PTFE, PVDF, rubber-lined;
- Sizes: DN8, DN15, DN20, DN25, DN32, DN40, DN50, Dn65;



**Y-Strainer**  
The Y-strainer filters impurities from liquid media to protect the metering pump. It is generally installed on the inlet pipeline close to the metering pump.

Materials: PVC, 304, 316, PVDF;

Sizes: DN15, DN20, DN25, DN32, DN40, DN50, DN65, DN80, Dn100;



**Pipeline Check Valve**  
A pipeline check valve is generally installed at the outlet end of the pipeline to prevent liquid backflow. It functions as a check valve.

- Materials: PVC, 304, 316, PVDF;
- Sizes: DN15, DN20, DN25, DN32, DN40, DN50, DN65, DN80, Dn100;



**Filter Foot Valve**  
A filter foot valve is generally installed at the bottom of the suction pipe inside the solution tank. It effectively addresses piping problems caused by excessive suction lift, helps the metering pump operate properly, and is equipped with a strainer to remove impurities from the pipeline.

- Materials: PVC, 304, 316, PTFE;
- Sizes: DN15, DN20, DN25, DN32, Dn40;



**Flow Calibration Column**  
The Flow Calibration Column is used for calibration and verification of the operating flow rate of metering pumps. During operation, the calibration column is first filled with the test medium until the liquid level reaches the maximum graduation mark. Then, close other inlet valves and open the valve between the calibration column and the pump, allowing the pump to draw liquid only from the calibration column.

After starting the pump, measure the volume reduction in the calibration column within a specified time period and compare it with the theoretical volume. The comparison results are used to verify the metering accuracy of the pump during operation and adjust the pump settings if necessary.

- Sizes: 100 mL-10,000 mL;
- Common Materials: PVC, SS304, SS316, PVDF, Acrylic, etc;

