



- ✓ SOLENOID DRIVEN DIAPHRAGM METERING PUMP
- ✓ MECHANICAL ACTUATED DIAPHRAGM METERING PUMP
- ✓ PISTON (PLUNGER) METERING PUMP
- ✓ HYDRAULIC ACTUATED DIAPHRAGM METERING PUMP

Detailed pump catalogs are be provided when requested.



FEATURES & BENEFITS

- ▣ Solenoid driven diaphragm metering pump design.
- ▣ Wear-free solenoid driving without bearing, economical and overload proof.
- ▣ Compact modular design, liquid end, drive parts are easy for replacement.
- ▣ Simple adjustment of metering capacity via stroke rate and stroke length.
- ▣ Intelligent display showing the stroke speed in percentage.
- ▣ Check valve assemblies are with **two balls**, easy for replacement.
- ▣ Solid PTFE Diaphragm for superior chemical handling.
- ▣ Optional liquid-end material: **PVC, PVDF, SS304 and SS316**.
- ▣ Optional motor, 1/3 phase, 50Hz/60Hz motor, IP55/IP65, Class F.
- ▣ Necessary **accessories package** provided free of charge.
- ▣ Rated flow from 10% to 100% stroke.
- ▣ Maximum temperature of liquid: 60°C.

Extra feather for the remote-control type

- ▣ 7 pins aviation connector, **four types of control signal**.
- ▣ Big LCD display showing **instant flow rate and accumulated flow**.



CAPACITY
Max to 20LPH



PRESSURE
Max to 10Bar

WET END MATERIALS

Pump head	PVC	PVDF	SS304	SS316
Pump diaphragm	PTFE	PTFE	PTFE	PTFE
Valve seat	PTFE	PTFE	SS304	SS316
Ball valve	Ceramic	Ceramic	Ceramic	Ceramic
Seal (O-ring)	Viton	Viton	PTFE	PTFE
Connection	5*8 mm PE hose	5*8 mm PE hose	5*8 mm PE hose	5*8 mm PE hose

FLOW CONTROL/ADJUSTMENT

Manual adjustment by the online bottom: used for simple metering applications.

4-20mA remote control signal input when the application requires the metering pumps speed can be controlled remotely by instrumentation.



FEATURES & BENEFITS

- ▣ **Mechanical actuated diaphragm metering pump** design.
- ▣ High viscosity, slurry and abrasive application.
- ▣ Self-cleaning suction/discharge check valve.
- ▣ **PVC, PVDF, PTFE, SS304, SS316** liquid-end material.
- ▣ Hard-wearing ball bearings to make pump work more stably.
- ▣ Oil bath lubrication for all of drive components.
- ▣ Adjustment can be adjusted while pump is running or stopped.
- ▣ The pump diaphragm is pressed into **multi-layer composite** structure.
- ▣ Optional motor, 1/3 phase, 50Hz/60Hz motor, IP55, Class F.
- ▣ Accuracy: $\pm 2\%$ of rated flow from 20% to 100% stroke.
- ▣ Maximum temperature of pumped liquid: 60°C.
- ▣ Adjustment by manual or remote signal.

Multi-layer composite structure diaphragm provided by SIKOPUMP:

The first liquid layer of PTFE, the second layer of EPDM, the third layer of thickness 3mm SUS304 supporting, the fourth layer is reinforced nylon fiber, the fifth layer is EPDM.



CAPACITY

Max to 3600LPH(50Hz)

Max to 4320LPH(60Hz)



PRESSURE

Max to 10Bar

WET END MATERIALS

Material Type	Head	Valve Body	Valve Seat	Ball Valve	Diaphragm	Seal	Connectors
PVC	PVC	PVC	PVC	Ceramic	PTFE	Viton	PVC
PTFE	PTFE	PTFE	PTFE	Ceramic	PTFE	PTFE	PTFE
PVDF	PVDF	PVDF	PVDF	Ceramic	PTFE	PTFE	PVDF
SS304	SS304	SS304	SS304	SS304	PTFE	Viton	SS304
SS316	SS316	SS316	SS316	SS316	PTFE	Viton	SS316

FLOW CONTROL/ADJUSTMENT

Manual adjustment by the lockable micrometer stroke adjusting knob.

Pump is remotely controlled by **4-20mA** through the metering stroker controller.

Pump speed and flow can be controlled by the variable frequency motor and inverter controller.



FEATURES & BENEFITS

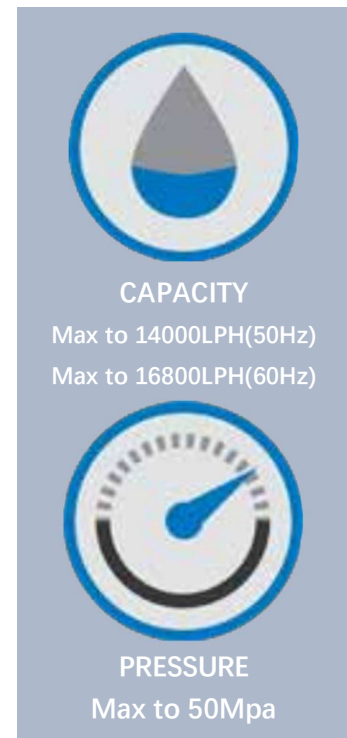
- ▶ **Plunger/piston metering pump** design.
- ▶ **SS304, SS316 and SS316L** liquid-end material.
- ▶ Pump plunger is SS316 with **special oxide ceramic spray coating**.
- ▶ Oil bath lubrication for the pump drive components.
- ▶ Adjustment can be adjusted while pump is running or stopped.
- ▶ **Cooling jacket and heating jacket** are available
- ▶ Plunger seal is PTFE compressed by SS316 gland ring.
- ▶ **Duplex or triplex** heads are available.
- ▶ Optional motor, 1/3 phase, 50Hz/60Hz motor, IP55, Class F.
- ▶ Accuracy: $\pm 1\%$ of rated flow from 30% to 100% stroke.
- ▶ Maximum temperature of pumped liquid: 100°C.
- ▶ Adjustment by manual or remote signal.

Advantage for Oxide Ceramic Coated Plunger:

High Hardness;

Fantastic Anti-corrosion;

Good Surface smoothness.



WET END MATERIALS

Material Type	Pump Head	Pump Plunger	Packing Seal	Ball Valve	Valve
SS304	SS304	oxide ceramic coated	PTFE	ceramic	SS304
SS316	SS316	oxide ceramic coated	PTFE	ceramic	SS316
SS316L	SS316L	oxide ceramic coated	PTFE	ceramic	SS316L

* (1). For some small capacity pump, the pump plunger material is just oxide ceramic.

* (2). Packing seal is PTFE compressed by SS316 gland ring for high pressure, extending service life with minimal leakage.

* (3). stainless steel ball valve is also available.

FLOW CONTROL/ADJUSTMENT

Manual adjustment by the lockable micrometer stroke adjusting knob.

Pump is remotely controlled by **4-20mA** through the metering stroker controller.

Pump speed and flow can be controlled by the variable frequency motor and inverter controller.



FEATURES & BENEFITS

- ▣ Hydraulic actuated diaphragm metering pump design.
- ▣ SS304, SS316 and SS316L liquid-end material.
- ▣ Pump diaphragm in PTFE **multi-layer type**, long service time.
- ▣ Oil bath lubrication for the pump drive components.
- ▣ Adjustment can be adjusted while pump is running or stopped.
- ▣ Integral built-in **hydraulic relief valve** and bleed valve.
- ▣ Duplex or triplex heads are available.
- ▣ **Double diaphragm** with leakage alarm device is available.
- ▣ Optional motor, 1/3 phase, 50Hz/60Hz motor, IP55, Class F.
- ▣ Accuracy: $\pm 1\%$ of rated flow from 30% to 100% stroke.
- ▣ Maximum temperature of pumped liquid: 100°C.
- ▣ Adjustment by manual or remote signal.

More than 8000h service life for the pump diaphragm!

Pump diaphragm is in Quality PTFE; Totally **five layers combined** together. There are **overload/limit/supply** valve for the hydraulic oil, to avoid the hydraulic impact and to balance two sides pressure of the pump diaphragm.



CAPACITY

Max to 10000LPH(50Hz)
Max to 12000LPH(60Hz)



PRESSURE

Max to 40Mpa

WET END MATERIALS

Material Type	Pump Head	Diaphragm	Plunger	Plunger seal	Ball Valve	Valve
SS304	SS304	PTFE	SS304	PTFE	ceramic	SS304
SS316	SS316	PTFE	SS316	PTFE	ceramic	SS316
SS316L	SS316L	PTFE	SS316	PTFE	ceramic	SS316L

* (1), the pump diaphragm is PTFE multi-layer type, totally five layers.

* (2), stainless steel ball valve is also available.

FLOW CONTROL/ADJUSTMENT

Manual adjustment by the lockable micrometer stroke adjusting knob.

Pump is remotely controlled by **4-20mA** through the metering stroker controller.

Pump speed and flow can be controlled by the variable frequency motor and inverter controller.

In SIKOPUMP, high quality is just the basis requirement.

WE SUPPLY MORE THAN QUALITY PUMP.....

Work day in and day out to keep our promise,
And now we are ready to service with your company.



Just contact  freely today.

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The company reserves the right to make alteration from time to time and equipment will maybe differ from that detailed in this brochure.

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