

Products Catalog



We make pumps

For 50 years, **TACMINA** has specialized in manufacturing diaphragm metering pumps, and water treatment, disinfection, and process equipment systems.

The products we make are in active use worldwide in a wide range of leading-edge fields of industry – chemical plants, pharmaceuticals and food production processes, energy and environmental conservation, disinfection and water treatment – for the injection and transfer of hazardous chemicals, high-viscosity liquids, liquids containing slurry, and hot liquids.

Responding to all kinds of liquid control needs through highly-skilled personnel and creative technology. This is our on-going commitment in making pumps – **TACMINA**

Main Fields of TACMINA Product Application

Chemical industry: Transfer/feed of raw materials, injection of additives

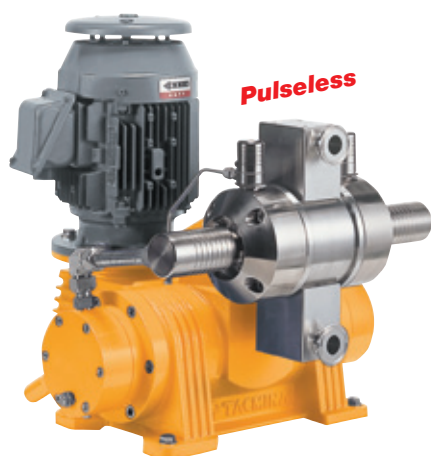
Food industry: Drink production processes, transfer of food raw materials, injection of additives

Semiconductor processes: CMP process, feed and circulation of EL chemicals

Precision painting: Films for FPDs and LCDs, production of photographic film and magnetic tape

Water treatment/disinfection: Industrial waste water and sewage treatment, disinfection of city water/swimming pools/spas

Boilers/air-conditioning: Injection of boiler chemicals, deoxidants, air-conditioning chemicals, and algicides



TPL

Hydraulic Diaphragm Type

High-spec model designed for maximum precision

[Max. discharge volume] 0.1 to 40 L/min

[Max. discharge pressure] 15MPa



APL

Direct-driven Diaphragm Type

Equipped with a diagonal diaphragm that contributes to the downsizing of the pump without losing its high capacity.

[Max. discharge volume]

5.0 to 47 L/min



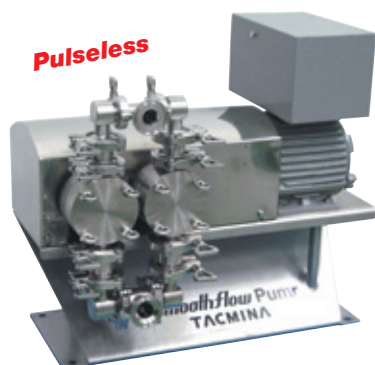
APLS

Direct-driven Diaphragm Type

Compatible with hazard analysis critical point (HACPP) systems. Conforms to sanitary specifications, and ensures ease of disassembly and cleaning.

[Max. discharge volume]

1.0 to 47 L/min



PLSS

For pumping coating liquid and electrode materials

[Max. discharge volume] 0.14 to 2.5L/min



BPL

Direct-driven Diaphragm Type

Basic model which can be used to transfer a wide variety of chemical liquids over a long distance and to a high pump head.

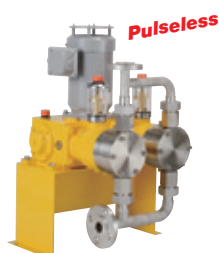
[Max. discharge volume]

0.05 to 80 L/min

PL

Can be customized for a lot of applications according to liquid type and your purposes.

Units and Systems



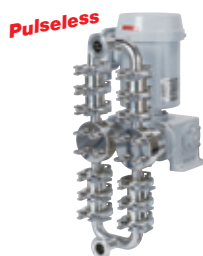
Duplex Type

[Max. discharge volume]

0.01 to 31 L/min



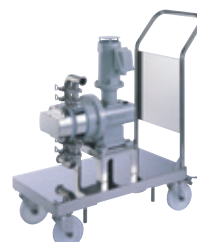
Triplex Type



Sanitary Type



Handy Unit Type



Trolley Type

Metering Pumps for Processes and General Applications

★ The indicated maximum discharge volume shows the value per pump head.

Simple & Durable



F

Direct-driven Diaphragm Type

The simple mechanisms on this pump make maintenance easier. It is also highly resistant to corrosion, which allows it to be used in a wide range of applications. [Max. discharge volume] 0.03 to 30 L/min*

Direct-driven Double-diaphragm Type

The durability and safety of this pump have been enhanced for the transfer of highly corrosive liquids. [Max. discharge volume] 0.03 to 30 L/min*

Hydraulic Diaphragm Type

With its relief function for protecting the pump, this pump can transfer even hazardous liquids without allowing them to contact air. [Max. discharge volume] 0.097 to 10 L/min*

Hydraulic Double-diaphragm Type

This enhanced hydraulic diaphragm pump can discharge slurry and high-viscosity chemicals at high pressure. [Max. discharge volume] 0.097 to 10 L/min*

Plunger Type

This pump is capable of high-precision and high-pressure metered injection, and is not affected by pressure fluctuations. [Max. discharge volume] 0.004 to 10 L/min*

Compact



CSII

Direct-driven Diaphragm Type

An easy-to-use, tough and safe pump in a stylish design with minimal dead space.

[Max. discharge volume]

w/ Relief Valve 10 to 300 mL/min

w/out Relief Valve 10 to 1000 mL/min

With a built-in flow meter



MDiA

Direct-driven Diaphragm Type

Constantly monitors actual discharge volume and automatically corrects the discharge volume to the target value.

[Max. discharge volume]

0.24 to 7 L/min

Metering Pumps for Special Applications



Sanitary Type

Made in a seal-free and hygienic liquid-end structure



Remote Head Type

Conduction of heat between pump and chemical is minimized. Also, radiator fan or insulation jacket can be installed.



T-branch Remote Head Type

No contact between slurry and diaphragm, which securely protects the pump. Transferred liquid also is not affected.



Multiplex Type

For the proportional injection of many liquids and synchronous injection to many lines



Combination Type

For proportional synchronous injection of many liquids

Related Products

Optional Products



Electric Servo and Digital Servo Controller



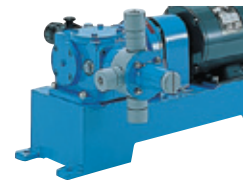
Inverter



Leak Monitor



Pulse Sensor



Head with Relief Valve

Solenoid-driven Metering Pumps



PW

Equipped with new functions for higher safety, superior eco-friendly performance, and optimal ease of use.

[Max. discharge volume]

w/ Relief Valve 30 to 100 mL/min

w/out Relief Valve 30 to 220 mL/min



PZ

Universal Standard Model that supports a wide power supply specification.

[Max. discharge volume]

w/ Relief Valve 30 to 100 mL/min

w/out Relief Valve 30 to 100 mL/min



PZD

Discharge volume can be set in three ways: flow rate, stroke speed and percentage.

[Max. discharge volume]

360 to 540 mL/min



PZi

This intelligent pump has a multi-function to support extensive automatic control.

[Max. discharge volume]

360 to 540 mL/min



PZiG

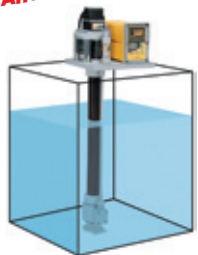
Large capacity and high-pressure injection are achieved. It also provides complete and various control configurations, simplifying your system and drastically reducing overall costs.

[Max. discharge volume]

340 to 1000 mL/min

Metering Pumps for Disinfection

Anti-Gas Locking



GLX

Gas-lockless Type

This pump thoroughly eliminates the factors causing gas locking. It also can be easily installed on existing tanks, and accepts a wide voltage range as well.

[Max. discharge volume]

0.012 mL/min to 390 mL/min



DCLPW

Air block and in-line automatic air-release function.

[Max. discharge volume]

30 to 90 mL/min



CLPW

In-line automatic air-release function.

[Max. discharge volume]

30 to 90 mL/min

Related and Optional Products



Parts Kit



Discharge Volume Checker



Flow Indicator



Hose Flange

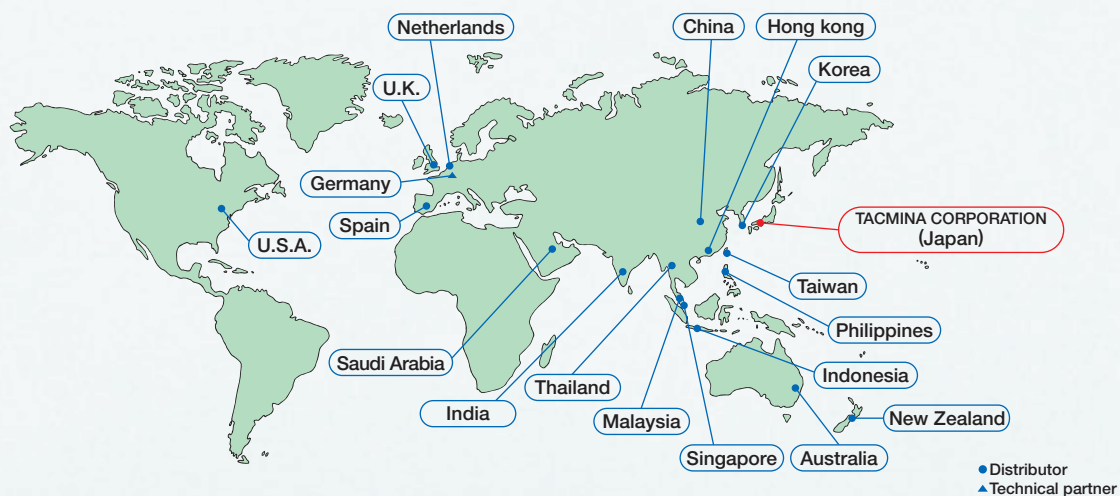


Relief Valve



Back Pressure Valve

TACMINA GLOBAL NETWORK



TACMINA CORPORATION

Head Office:

2-2-14 Awajimachi, Chuo-ku, Osaka 541-0047 Japan
 Tel.+81(0)6-6208-3974 Fax.+81(0)6-6208-3978
 URL <http://www.tacmina.com>
 E-mail trade@tacmina.com

Product designs and specifications are subject to change without notice for product improvement.

EC-021(17)05

2015/3/ASS



JQA-A-1274
 JQA-EM0637 Production Department