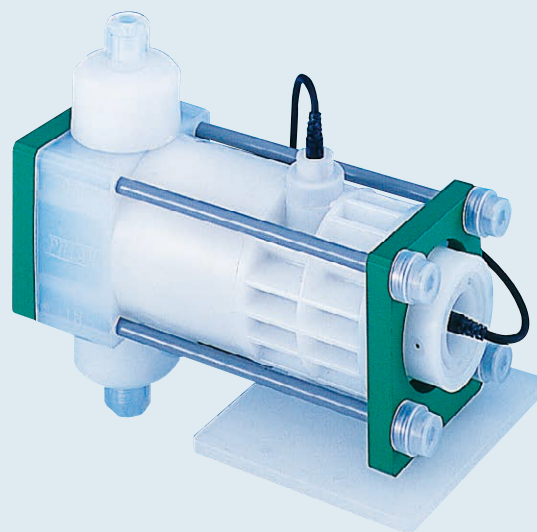


PW Series Metering Pump for Chemical Fluid Injection



High discharge accuracy
All wetted parts are made of fluorocarbon polymers



■ Features

■ Achieved repeatability $\pm 1\%$

Quantitative accuracy has been improved by structurally resolving dripping after discharge.

■ Adopting a new valve mechanism

We have adopted a valve mechanism that stops the siphon phenomenon.

■ Variable stroke speed

As a pump for chemical fluid injection, this product can control its stroke speed between 4 and 40 spm, making wide-range concentration control possible.

■ Specifications

Model		PW-5MA	PW-10MA
Pump connection size	mm	$\phi 6 \times \phi 4$	$\phi 10 \times \phi 8$
Pump connectors *1		Super Type PILLAR Fitting™ or Super 300 Type PILLAR Fitting™	
Discharge capacity	mL/shot	5*2	10*2
Operating temperature range	°C	10 to 100	
Discharge accuracy (Repeatability)		Within 1.0%*3	
Air inlet ports		2-Rc 1/8	
Supply air pressure	MPaG	0.2 to 0.25	
Max discharge pressure	MPaG	0.05	
Max suction height	m	3.5 (when pure water is suctioned at 40 spm)	
Stroke speed	spm	4 to 40*4	
Weight	kg	1.3	1.5

*1: The pump connector model differs according to the fitting type. Therefore, be sure to indicate the fitting type when placing an order.

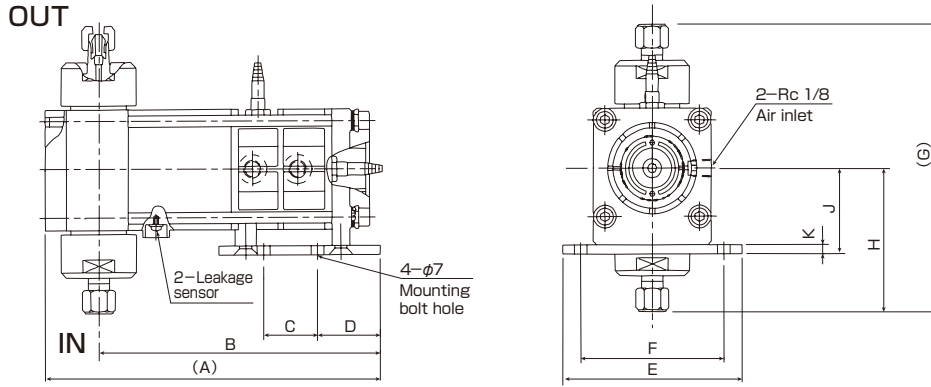
*2: These values are applicable when 25°C pure water is discharged.

*3: This value is applicable only when the temperature, supply air pressure, and stroke speed are constant.

*4: Do not use this product outside the specified range (4 to 40 spm).

Metering Pump for Chemical Fluid Injection PW Series

Structural drawings and size table

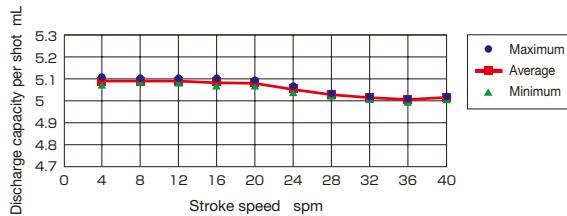


Unit: mm

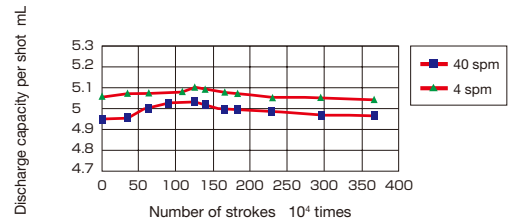
Model	(A)	B	C	D	E	F	(G)		(H)		J	K
							Super Type	Super 300 Type P-series	Super Type	Super 300 Type P-series		
PW-5MA	185	155	30	35	100	80	158	156	79	78	47	5
PW-10MA	185	155	30	35	100	80	178	187	89	93.5	47	5

Performance

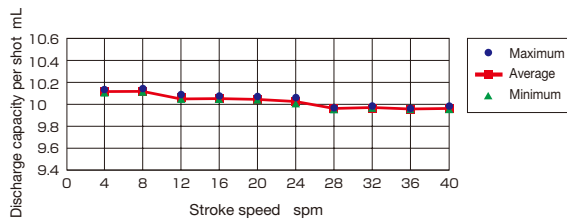
PW-5MA Quantitative accuracy graph



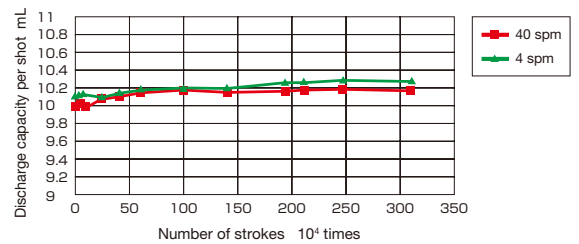
PW-5MA Results of long-term continuous testing at room temperature



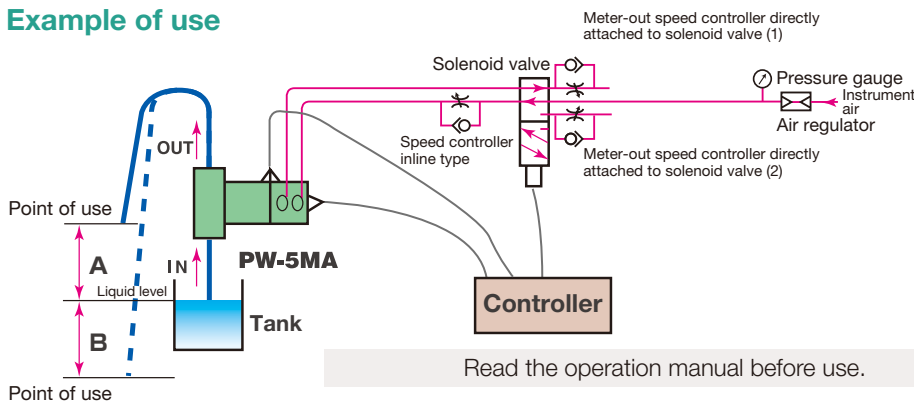
PW-10MA Quantitative accuracy graph



PW-10MA Results of long-term continuous testing at room temperature



Example of use



Note:

"A" indicates the length when the point of use is above the liquid level.
"B" indicates the length when the point of use is below the liquid level.

Relationship between the liquid level and the height of point of use

Model	Unit: mm	
	A	B
PW-5MA	1000	1000
PW-10MA	1000	500

Read the operation manual before use.

PILLAR Corporation

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Safety precaution

● When using this product, please use correctly and pay sufficient attention to safety.

* Please understand that this catalog may change without prior notice.
* The values shown on this catalog are reference values, not guaranteed values.