

Peristaltic pump with interchangeable pump heads



PMPL-T 200 SERIES



Mountable pump heads:

Dg Only : 1-24 Channels

YZ 1515X Only : 1- 4 channels

KZ 25 Only : 1-2 Channel

YZ 1515X+DG1

KZ25 + YZ1515X

KZ25 + YZ1515X+DG1



Features

- Speed range: 0.1 rpm – 600 rpm
- Multi-point rpm control for higher precision
- Pulse and level functions for versatile applications
- Compatible for use with other instruments

Flow Rate Ranges by Pump Head

- DG head: 0.0003 ml – 42 ml/min (at max 100 rpm)
- YZ1515X head: 0.07 – 2200 ml/min (at max 600 rpm)
- KZ25 head: 0 – 6000 ml/min (at max 600 rpm)

* Data shown are for reference only, based on water tests with silicone tubing under normal conditions.

PMP200/500 Without scale powder system **NEXT**



- The hopper can be custom-made in capacities ranging from 2 liters to 60 liters.

- PLC program integration is available, enabling easy data transmission and communication.

- The powder-feeding system features a modular design for easy disassembly and cleaning.

only controller specification

* Data shown are for reference only, based on water tests with silicone tubing under normal conditions.

*The following information outlines the specifications of the controller, which manages the control functions.

Specifications for the mixing and transferring sections can be customized depending on the type of powder used, including transfer distance, powder density, and powder characteristics. Specifications may be changed without prior notice for quality improvement. Actual performance may vary depending on powder type, delivery conditions, and field tests, as these factors can differ even when using the same equipment

	PMPS 200	PMPS 500
Multi-Channel	1 Channel (Standard)	1 Channel (Standard)
Motor Power	200W	500W
Speed (rpm)	0.1 - 600	0.1 - 600
Stepwire speed control	10 steps	10 steps
Time	1 - 9999 min	1 - 9999 min
Gearbox ratio (option)	3 : 1	3 : 1
Power	110-230 V (220 V standard)	110-230 V (220 V standard)
External control PLC&RS485	RS485 Communication only	RS485 Communication only
Stop time	0.1 s-9999 min	0.1 s-9999 min
Save-specification function	200 ea	200 ea
Program number	5	5
Work Environment Temperature	0-40 °C Recommended for indoor use only	0-40 °C Recommended for indoor use only.

PMPS200/500 With scale with PLC



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	PMPS 200	PMPS 500
Multi-Channel	1 / 2 / 4 channel (option) user can ask max.32 channel (option : order-made, sensor of powder in hopper, data transfer type, channel number of liquid and powder)	1 / 2 / 4 channel (option) user can ask max.32 channel (option : order-made, sensor of powder in hopper, data transfer type, channel number of liquid and powder)
Motor Power	200W	500W
Speed (rpm)	0.1 - 600	0.1 - 600
Stepwire speed control	3 steps	3 steps
Time	1 - 9999 min	1 - 9999 min
Gearbox ratio (option)	3 : 1	3 : 1
Power	110-230 V (220 V standard)	110-230 V (220 V standard)
External control PLC&RS485	Communication possible	Communication possible
Stop time	0.1 s-9999 min	0.1 s-9999 min
Data send	Possible	Possible
Work Environment Temperature	0-40 °C Recommended for indoor use only. Keep away from wind, vibration, and humid conditions.	0-40 °C Recommended for indoor use only. Keep away from wind, vibration, and humid conditions.

NEXT POWDER PUMP/DISPENSING PUMP SERIES

PMPS200/500 With scale **NOT PLC**

POWDER AND LIQUID SYSTEM



Product Features

- Compatible with Weighing Systems This unit must be integrated with a scale for precise measurement and control.

- Selectable Operating Programs During production, users can choose between two program types — Discharge System or Filling System — depending on their application requirements.

#NO PLC #WITH SCALE #FILLING SYSTEM

only scale specification

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	FG-20KBM-H	FG-30KBM-H	FG-60KBM-H	FG-150KBM-H
Maximum load	20 Kg	30 Kg	60 Kg	150 Kg
Readability	1 g	2 g	5 g	10 g
MODEL SERIAL-PE*	33-0	32-0	32-0	32-0
	GF-1003A	GF-6002A	GF-10001A	
Maximum load	1100 g	6200 g	10200 g	
Readability	0.001 g	0.01 g	0.1 g	
MODEL SERIAL-PE*	380-0	240-0	200-0	

NEXT POWDER PUMP/DISPENSING PUMP SERIES

PMPS200/500 With scale **NOT PLC**

POWDER AND LIQUID SYSTEM



DISCHARGING SYSTEM

Product Features

- Compatible with Weighing Systems This unit must be integrated with a scale for precise measurement and control.
- Selectable Operating Programs During production, users can choose between two program types — Discharge System or Filling System — depending on their application requirements.

#NO PLC #WITH SCALE #DISCHARGING SYSTEM

only scale specification

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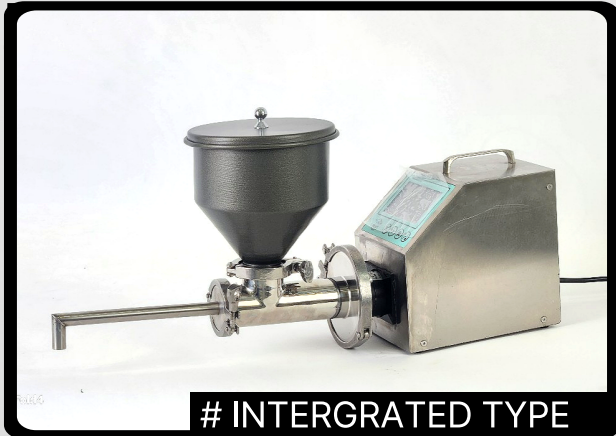
	FG-20KBM-H	FG-30KBM-H	FG-60KBM-H	FG-150KBM-H
Maximum load	20 Kg	30 Kg	60 Kg	150 Kg
Readability	1 g	2 g	5 g	10 g
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	GF-1003A	GF-6002A	GF-10001A	
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NEXT POWDER PUMP/DISPENSING PUMP SERIES

PMPS200/500 Without scale

NOT PLC

POWDER AND LIQUID SYSTEM



INTERGRATED TYPE

Product Features

- We make hopper on according to order

#NO PLC #NO SCALE #MOTOR AND CONTROLL INTERGRATED



For the third consecutive year, innovative companies have won the award

Since its founding in 2002, Next Company has dedicated 24 years exclusively to the dispenser field. Now, the company has unveiled a groundbreaking “data-driven integrated precision dispensing system” that promises to transform smart factories and small-scale manufacturing.



The core of this innovation lies in the fusion of the CEO's expertise in chemical and micro-analysis with practical PLC control technology accumulated in the field. Recognizing the limitations of conventional liquid dispenser programs, Next Company developed a hybrid product that integrates pumps, PLCs, and precision scales into a single system.

Breaking the PLC cost barrier with universal scale integration

Traditionally, PLC-controlled weighing systems have been widely used in industrial settings. However, the high cost of PLC integration (often exceeding 3 million KRW) created a barrier for small businesses. Next Company addressed this challenge by independently developing a filling and discharge system that leverages universal scales. This breakthrough enables precise control without expensive PLCs, reducing equipment costs by more than 3 million KRW and allowing small manufacturers to access smart factory-level data and automation.

The compact design supports both liquids and powders, making it versatile for applications ranging from laboratories to large-scale machinery.

High-ratio mixing technology: outperforming global competitors

In multi-component dispensing (two- or three-part systems), Next Company's technology stands out. While conventional equipment struggles with mixing ratios beyond 5:1, the company has achieved ratios of 10:1 and even 20:1, enhancing efficiency and miniaturization.

This excellence has been validated globally. In precision tests conducted by a Mitsubishi-Lotte Chemical joint venture, Next Company's system outperformed Japan's Kubota products in accuracy, compactness, and ease of control. Today, the company offers a full lineup from ultra-precise systems (three decimal places) to large-capacity models up to 150 kg.

ESG values and advanced industry applications

From the design stage, Next Company prioritized ESG principles, focusing on low power and energy efficiency. By consolidating processes that previously required three machines into one, the company achieved significant cost savings and energy optimization.

Leveraging this competitive edge, Next Company is expanding into advanced industries such as solid-state batteries, plasma technology, and defense. Its dispensers are becoming essential foundational equipment for AI-driven smart factories.

CEO Jong-Hwan Park emphasized: “To solve on-site challenges, I personally studied PLCs and programming to complete this data-driven system. Moving forward, we will strengthen our leadership in both powder and liquid dispensing markets with the launch of multi-channel powder dispensers.”

The domestic dispenser market has long been polarized between expensive foreign equipment and low-cost, basic control devices. Next Company's hybrid technology bridges this gap, delivering precision, affordability, and ESG values simultaneously. Its victory over a leading Japanese precision manufacturer demonstrates not only Korea's drive for industrial localization but also its global competitiveness. The fusion of chemical analysis and mechanical control is expected to play a critical role in next-generation industries where micro-process management is essential, such as solid-state batteries and defense.