

## TAKASAGO FLUIDIC SYSTEMS

## RP-G III Series

Discharge Rate: 2.5 - 12 mL/min

## DESCRIPTION

The RP-GIII was developed using a ring pump design. The single eccentric rotor compresses against an outer ring. The gradual tube deformation using a larger diameter rotor promotes longer tube life. The ring pump design has unique advantages over conventional peristaltic pumps in various applications. The RP-G pump is self-priming having constant occlusion and allowing for compact designs that are more suitable for miniaturization.

The RP-GIII Series is available with tubing options and the pump can be modulated for various flow rates.

## FEATURES

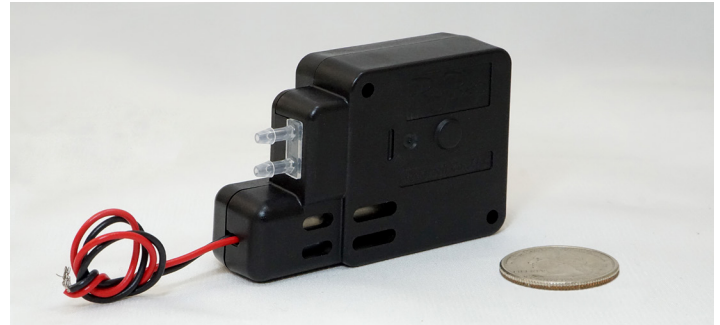
- Extended tube life
- Compact box shape makes it possible to stack RP-G III pumps.
- Flow rate range is rather small and it is in near side to one for series of RP-Q and RP-G III.
- More choices in selecting tubing.

## EXAMPLE OF APPLICATIONS

Few examples of some compatible applications for this product:

- Automatic washing machines
- Electrolytic water conditioners
- Applications for detergent supplies
- Cell culture / Biotechnology
- Beverage & food applications
- Aquaculture / Hydroponics

**Note:** Details such as specifications, etc., may be changed without notice.



## SPECIFICATIONS

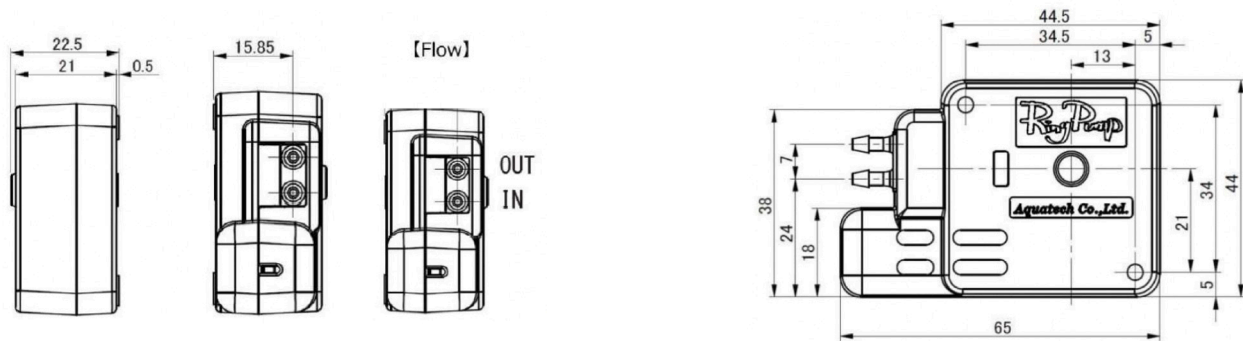
## GENERAL

Flow rate (mL/min) *	2.5 - 12 (see Model Lineup)
Tubing	Silicone / PharMed / Fluran / TM-15
Motor/Power source	DC 3 - 6V
Material of main parts	Case: P B T **
Weight (for reference)	Approx. 62g
Outer Dimensions	22.5 × 65 × 44 mm
Pump Method	Peristaltic Pump
Type	Miniature Peristaltic Pump
Rated Voltage	3 or 6 VDC
Body Material	ABS
Self-Priming	Possible Pumped Volume Adjustable
Range	2.5-12 mL/min

\* Flow rate can be adjustable by power voltage.

\*\* Polybutylene terephthalate (PBT)

## DIMENSIONS (MM)



\* Lead wire and barbs should not face downward.

## MODEL LINEUP

Model Lineup	Voltage (DC/V)	Flow rate (mL/min)	Tubing		Remarks
			Type	ID/OD(mm)	Rotation
RP-GI02 S- 12Z-DC6V	6	12	Silicone (S)	2X4	CW
RP-GI02 S - 5Z-DC3V	3	5	Silicone (S)	2X4	CW
RP-GI02F-10Z-DC6V	6	10	PharMed (F)	2X4	CW
RP-GII02F-4P5Z-DC3V	3	4.5	PharMed (F)	2X4	CW
RP-GII 1.6F-6P5Z-DC6V	6	6.5	PharMed (F)	1.6 X3.2	CW
RP-GIII1.6F-2P5Z-DC3V	3	2.5	PharMed (F)	1.6 X 3.2	CW
RP-G II 1.6R-8Z-DC6V	6	8	Fluran (R)	1.6 X 3.2	CW
RP-GIII 1.6R-3P2Z-DC3V	3	3.2	Fluran (R)	1.6 X 3.2	CW
RP-GIII1.6W-7Z-DC6V	6	7	TM-15 (W)	1.6 X 3.2	CW
RP-GIII1.6W-3Z-DC3V	3	3	TM-15 (W)	1.6 X 3.2	CW

\*\* **PharMed/Fluran:** product of Saint-Gobain SA  
**TM-15:** product of Mituboshi (Japan)