Aquatech presents "Ring Pump"

Advanced peristaltic pump technology made available by AQUATECH.

Ring Pump * Its simple designing is gentle to tubing!!



Ring Pump® Its structure is so innovative!!



Ring Pump® Applications are unlimited!!





























Aquatech Co., Ltd.

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Ring Pump[®] Aquatech Co., Ltd.









Ring Pump Lineup

Standard type [5 mL - 2500 mL/min]

Standard type	[5 ML - 2500 ML/MIN]							
Type	Flow rate (mL/min)	Tubing	Motor/Power	Appearance/D	Dimention (mm)			
RP-M Series DC Power type	5 30 10 50 20 65	●Silicone ●PharMed BPT* ●Transmaster TM-15 ●SWFT	DC geared motor DC24V		L: 74.5 W: 74 D:Depend on motor			
RP-M Series	5 15 20 35 (at 60Hz)	●Silicone ●PharMed BPT* ●SWFT	AC synchronous motor AC100V		L: 74.5 W: 74 D: 48			
RP-K [[Series	50 200 100 250 150	●Silicone ●Tygon A-60-F** ●Transmaster TM-15	DC geared motor DC24V		L:117.7 W: 79 D:Depend on motor			
RP-S Series Big volume type	500 700 800	●Tygon A-60-F** ●PhaMed BPT* ●Transmaster TM-15	DC geared motor DC24V		L:126 W:81 D:Depend on motor			
RP-2S Series Big volume & Less pulsation	1000 1400 1600	●Tygon A-60-F** ●PharMed BPT* ●Transmaster TM-15	DC geared motor DC24V		L:126 W:81 D:Depend on motor			
RP-3S Series Easy flow volume control & Less pulsation	2500 (Max)	●PharMed BPT*	Stepper motor DC24V	De	L:178 W:81 D:168.5			
RP-W Series	350 500 700	●PharMed BPT*	DC geared motor DC24V		L:148.3 W:82 D:143.5			

Compact type [Motor-built-in box type]

Type	Flow rate (mt/min)	Tubing	Motor/Power	Appearance/Dimention (mm)
RP-G [Series	10 25 12 40 17 45 20	●Silicone ●Tygon A-60-F** ●PharMed BPT*	DC geared motor DC12V,24V	L: 47.5 W: 74 D: 27
RP-2G II Series	20 50 25 70 30 80 35	●Silicone ●Tygon A-60-F** ●PharMed BPT*	DC geared motor DC12V,24V	L: 47.5 W: 74 D: 27
RP-G Series	2.5 6.5 3.0 7.0 3.2 8.0 4.5 10.0 5.0 12.0	●Silicone ●PharMed BPT* ●Versilon A-5500-F*** ●Transmaster TM-15	DC geared motor DC3V,6V	L: 44 W: 65 D: 22.5

Super small type [0. 2 mL - 3. 0 mL/min]

Super sman type [0.2 ml = 0.0 ml/mm]						
Type	Flow rate (mL/min)	Tubing	Motor/Power	Appearance/Dimention (mm)		
RP-Q,QX Series Super small type	RP-Q: 0.20 0.45 RP-QX: 0.50 1.10	●Silicone ●Tygon A-60-F** ●SWFT	DC geared motor DC3V	L:15. 4 W:11. 9 D:31. 5		
RP-Q II Series RP-Q III Series Pump head replaceable type	RP-Q II : 0.45 0.9 RP-Q II X: 1.2 2.2 RP-Q II A: 3.0 (same for RP-Q III series)	●Silicone ●SWFT	DC geared motor DC3V	L:17.0 W:15.0 (24.3) D:32.7 RP-QII Series RP-QII Series () QIII		
RP-CIII Series	1.6 2.8	●Silicone ●PharMed BPT* ●Versilon F-5500-A***	DC geared motor DC3V-5V	L:44.5 W:26 D:33.4		

Type	Flow rate (mL/min)	Tubing	Motor/Power	Appearance/Dimention (mm)
RP-TX Series Pump head replaceable type	30nL-40 <i>μ</i> L/min	●Silicone ●PharMed BPT*	Stepper motor DC 3.0V	L: 33 W: 12 D: 21.5
RP-HX Series	2 μ L-1,000 μ L/min	●Silicone ●PharMed BPT*	Stepper motor DC 2.6 - 3.0V	L: 32 W: 20 D: 46

RP-35 Series

Stepper motor type



Features

Having three pump parts of RP-S, it's the biggest flow volume pump among our lineup.

You can also use each of three pump parts for flowing three defferent solutions.

- By adopting stepper motor, you can select flow volume freely up to 2.5 litters as maximum.
- Pulsation is largely decreased by shifting angle of rotor of each additional pumps by 120 degrees.

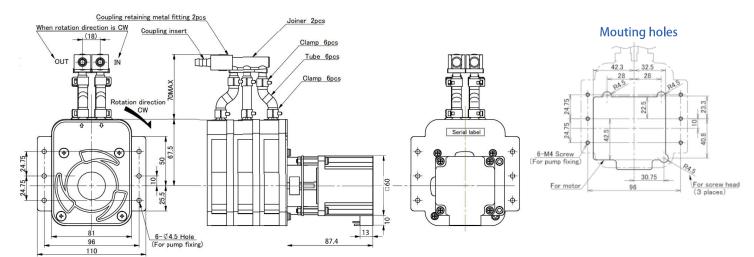
Main specifications

Flow rate (mL/min)	2500 (Max.)
Tubing	PharMed BPT
Motor/Power source	Stepper motor DC24V
Weight (for reference)	Approx. 1800g

Examples of application

Automatic car washing machine / Automatic cup coffee vender / Floor washer / Hand washer / Applications for detergent supply etc.

Outline view



Stepper motor controller and driver board

RP-3S pump is operated by a stepper motor. You need a controller or driver to drive it. We offer following dedicated controller and driver board which are sold separately as options. Please contact our sales office for purchasing them.



Stepper Motor Controller (option)



Stepper Motor Driver Board (option)

Model Lineup

Model Lineup	Voltage	Flow rate (mL/min)	Tubing		
ouo:oup	(DC/V)	· · · · · · · · · · · · · · · · · · ·	Type	ID/OD(mm)	
RP-3S07F-2500Z-DC24VS	l 24	Approx.9 at 1 rpm Approx.2500 at 300 rpm	PharMed BPT	7.0 / 10.0	

^{*} PharMed BPT is product of Saint-Gobain SA. It was formerly described as PharMed in our brochure.

P-Q Characteristic Graph

Please refer to P-Q Characteristic Graph of RP-2S.

RP-2S Series



Features

- Having two pump parts of RP-S pump, flow volume is doubled.
- Pulsation is decreased due to shifting angle of rotor of additional pump by 180 degrees.

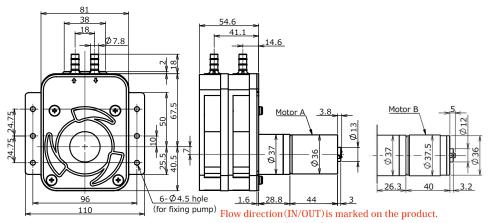
Examples of applicationAutomatic washing machine

Automatic washing machine Automatic cup coffee vender Floor washer, Hand washer Applications for detergent supply etc.

Main specifications

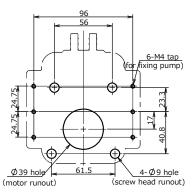
Flow rate (mL/min)	1000 1400 1600
Tubing	TygonA-60-F/ PharMed BPT/ TM-15
Motor/Power source	DC geared motor DC24V
Weight (for reference)	Approx. 900g

[Outline view]



*Flow direction(IN/OUT) is true when positive side is connected to the terminal marked \oplus on the motor.

[Mounting plate view]

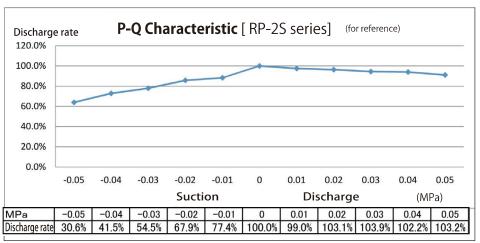


Be sure that the motor shaft position is horizontal.

	Voltage	Flow rate	Tubing		
Model Lineup	(DC/V)	(mL/min)	Туре	ID x OD (mm)	Motor
RP-2S06N-1000Z-DC24V	24	1000	Tygon A-60-F	6.35 x 9.52	A
RP-2S06F-1000Z-DC24V	24	1000	PharMed BPT	6.35 x 9.52	A
RP-2S06W-1000Z-DC24V	24	1000	Transmaster TM-15	6.35 x 9.52	A
RP-2S06N-1400Z-DC24V	24	1400	Tygon A-60-F	6.35 x 9.52	В
RP-2S06F-1400Z-DC24V	24	1400	PharMed BPT	6.35 x 9.52	В
RP-2S07W-1600Z-DC24V	24	1600	Transmaster TM-15	7.0 x 10.0	В

^{*} Tygone A-60-F amd PharMed BPT are products of Saint-Gobain SA and formerly described as Norprene and PharMed in our brochure.

^{*} Transmaster TM-15 is product of Mitsuboshi Co. Ltd.



RP-S Series



Features

Biggest flow rate pump among our lineup.

You can have double flow rate with RP-2S series which combines two RP-S.

Examples of application

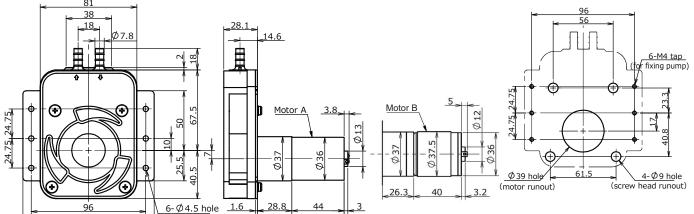
Automatic washing machine Automatic cup coffee vender Floor washer, Hand washer Applications for detergent supply etc.

Main specifications

Flow rate (mL/min)	500 700 800
Tubing	TygonA-60-F/ PharMed BPT/ TM-15
Motor/Power source	DC geared motor DC24V
Weight (for reference)	Approx. 650g

[Outline view]

[Mounting plate view]



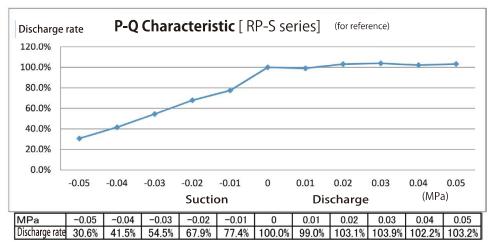
(for fixing pump) Flow direction (IN/OUT) is marked on the product. *Flow direction (IN/OUT) is true when positive side is connected to the terminal marked \oplus on the motor.

Be sure that the motor shaft position is horizontal.

	Voltage	Flow rate	Tubing	Remarks		
Model Lineup	(DC/V)	(mL/min)	Туре	ID x OD (mm)	Motor	Motor Rotation
RP-S06N-500Z-DC24V	24	500	Tygon A-60-F (N)	6.35 x 9.52	A	CW
RP-S06F-500Z-DC24V	24	500	PharMed BPT (F)	6.35 x 9.52	A	CW
RP-S06W-500Z-DC24V	24	500	Transmaster TM-15 (W)	6.35 x 9.52	A	CW
RP-S06N-700Z-DC24V	24	700	Tygon A-60-F (N)	6.35 x 9.52	В	CW
RP-S06F-700Z-DC24V	24	700	PharMed BPT (F)	6.35 x 9.52	В	CW
RP-S07W-800Z-DC24V	24	800	Transmaster TM-15 (W)	7.0 x 10.0	В	CW

^{*} PharMed BPT and Tygon A-60-F are products of Saint-Gobain SA and formerly described as PharMed and Norprene in our brochure.

^{*} Transmaster TM-15 is product of Mitsuboshi Co., Ltd., Japan.



RP-W II Series

Features

 Toughest and long life pump among lineup of our ringpump.

Examples of application

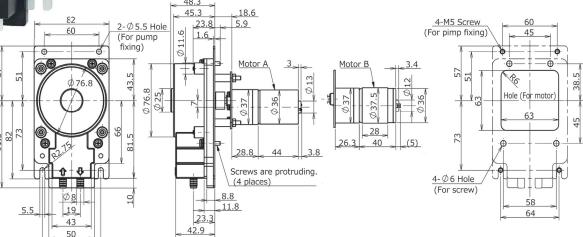
Big sized printers and many other applications where toughness and long life is required.

Main specifications

Flow rate (mL/min)	350 500 700
Tubing	PharMed BPT
Motor/Power source	DC geared motor DC24V
Weight (for reference)	Approx. 850g

(Outline view)

[Mounting plate view]



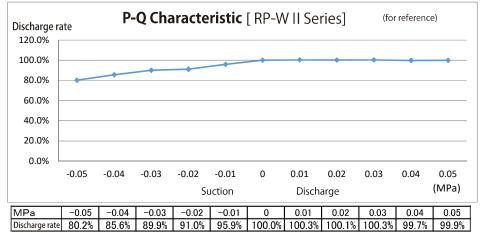
Flow direction (IN/OUT) is marked on the product.

*Flow direction (IN/OUT) is true when positive side is connected to the terminal marked ⊕ on the motor.

Be sure that the motor shaft position is horizontal.

	Voltage Flow rate		Tubi	Motor	
Model Lineup	(DC/V)	(mL/min)	Туре	ID x OD (mm)	Туре
RP-W II 04 F -350Z-DC24V	24	350	PharMed BPT	4.0 x 8.0	A
RP-W II 04F-500Z-DC24V	24	500	PharMed BPT	4.0 x 8.0	A
RP-W II 04F-700Z-DC24V	24	700	PharMed BPT	4.0 x 8.0	В

^{*} PharMed BPT is product of Saint-Gobain SA and formerly described as PharMed in our brochure.



RP-K II Series



Features

- Simple design and tough pump.
- Since we have wide range of flow level, wide range of application can be expected.

Examples of application

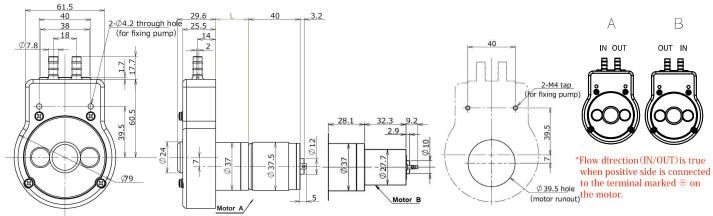
Automatic washing machine Floor washer, Medical device and many applications for detergent supply etc.

Main specifications

Flow rate (mL/min)	50 100 150 200 250
Tubing	Silicone/Taigon A-60-F/Transmaster TM-15
Motor/Power source	DC24V
Material of main parts	Base: Steel Case:PP
Weight (for reference)	Approx. 400g

[Outline view]

[Mounting plate view] [Flow direction]

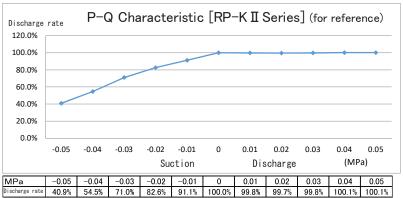


%L dimention = Refer to the table below.

Be sure that the motor shaft position is horizontal.

	Voltage	Flow rate Tubing Re	Tubing Type ID x OD (mm)		Remarks	emarks	
Model Lineup	(DC/V)	(mL/min)			Motor	L Dimention	Flow Direction
RP-K II 05S-50Z-DC24V	24	50	Silicone	4.8 x 8.0	A	28.1	
RP-K II 05N-50Z-DC24V	24	50	Tygon A-60-F	4.76 x 7.94	A	28.1	
RP-K II 05W-50Z-DC24V	24	50	Transmaster TM-15	4.8 x 7.9	A	28.1	В
RP-K II 06S-100Z-DC24V	24	100	Silicone	6.5 x 9.9	В	28.1	ь
RP-K II 06N-100Z-DC24V	24	100	Tygon A-60-F 6.35 x 9.5		В	28.1	
RP-K II 06W-100Z-DC24V	24	100	Transmaster TM-15	6.35 x 9.52	В	28.1	
RP-K II 06N-150Z-DC24V	24	150	Tygon A-60-F	6.35 x 9.52	A	25.6	
RP-K II 06W-150Z-DC24V	24	150	Transmaster TM-15	6.35 x 9.52	A	25.6	
RP-K II 06N-200Z-DC24V	24	200	Tygon A-60-F	6.35 x 9.52	A	25.6	A
RP-K II 06W-200Z-DC24V	24	200	Transmaster TM-15	6.35 x 9.52	A	25.6	Λ
RP-K II 06N-250Z-DC24V	24	250	Tygon A-60-F	6.35 x 9.52	A	25.6	
RP-K II 06W-250Z-DC24V	24	250	Transmaster TM-15	6.35 x 9.52	A	25.6	

^{*} Tygon A-60-F is product of Saint-Gobain SA and formerly described as Norprene in our brochure. * Transmaster TM-15 is product of Mitsuboshi Co., Ltd., Japan.



RP-2G II Series



Features

- Compact box shape makes it possible to pile up plural G II pumps.
- Two different liquids can be flowed by a single pump, using two tubings.

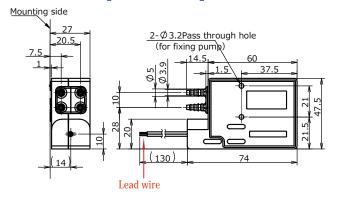
Examples of application

Automatic washing machine Electrolytic water conditioner Applications for detergent supply etc.

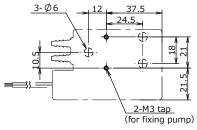
Main specifications

Flow rate (mL/min)	20 25 30 35 50 70 80
Tubing	Silicone/ PharMed BPT/ Tygon A-60-F
Motor/Power source	DC geared motor DC12V、24V
Weight (for reference)	Approx. 115g

(Outline view)



[Mounting plate view]



Lead wire should not face downward.

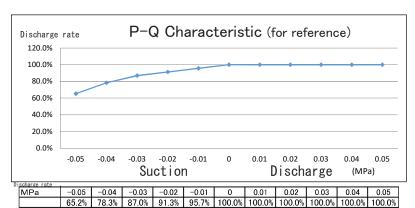
[Flow direction]



*Flow direction (IN/OUT) is true when positive side is connected to the red lead wire.

	Voltage	Flow rate	Tubing		
Model Lineup	(DC/V)	(mL/min)	Туре	IDxOD(mm)	
RP-2G II 02 S -25 Z -DC12V	12	25	Silicone	2 X 4	
RP-2G II 02F-25Z-DC12V	12	20	PharMed BPT	2 X 4	
RP-2G II 02 S -50Z-DC24V	24	50	Silicone	2 X 4	
RP-2G II 02F-50Z-DC24V	24	50	PharMed BPT	2 X 4	
RP-2G II 2.5 S -35Z-DC12V	12	30	Silicone	2.5 X 4.5	
RP-2G II 2.5 S -70Z-DC24V	24	70	Silicone	2.5 X 4.5	
RP-2G II 2.8N-40Z-DC12V	12	35	Tygon A-60-F	2.8 X 4.8	
RP-2G II 2.8N-80Z-DC24V	24	80	Tygon A-60-F	2.8 X 4.8	

^{*} PharMed BPT and Tygon A-60-F are products of Saint-Gobain SA and formerly described as PherMed and Norprene in our brochure.



RP-M Series (DC type)



Features

This is the only series among our product lineup that you can select DC or AC. You have wide range of application.

Examples of application

Automatic washing machine, Electrolytic water conditioner, Air pressure adjuster, Automatic car washer and many other applications for detergent supply etc.

Main specifications

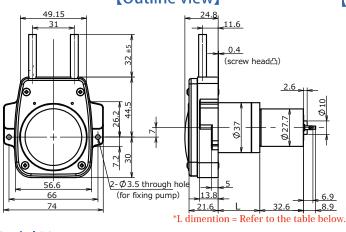
Flow rate (mL/min)	5 10 20 30 50 65
Tubing	Silicone/PharMed BPT/TM-15/SWFT
Motor/Power source	DC geared motor DC 24V
Weight (for reference)	Approx. 260g (depends on motor)

[Flow direction]

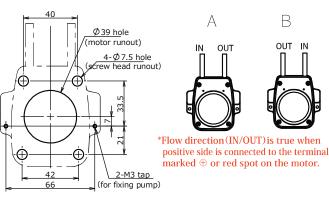
В

OUT

(Outline view)



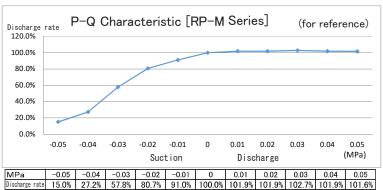
[Mounting plate view]



*Be sure that the motor shaft position is horizontal.

	Voltage	Flow rate	Tubing	Tubing		
Model Lineup	(DC/V)	(mL/min)	Туре	ID x OD (mm)	Flow Direction	L Dimention
RP-M02S-5Z-DC24V	24	5	Silicone	2 x 4	A	30.8
RP-M02F-5Z-DC24V	24	5	PharMed BPT	2 x 4	A	30.8
RP-M02W-5Z-DC24V	24	5	Transmaster TM-15	2 x 4	A	30.8
RP-M03S-10Z-DC24V	24	10	Silicone	3 x 5	A	30.8
RP-M03F-10Z-DC24V	24	10	PharMed BPT	3 x 5	A	30.8
RP-M03W-10Z-DC24V	24	10	Transmaster TM-15	3 x 5	A	30.8
RP-M03S-20Z-DC24V	24	20	Silicone 3 x 5		A	30.8
RP-M03F-20Z-DC24V	24	20	PharMed BPT	3 x 5	A	30.8
RP-M03W-20Z-DC24V	24	20	Transmaster TM-15	3 x 5	A	30.8
RP-M03S-30Z-DC24V	24	30	Silicone	3 x 5	A	30.8
RP-M03F-30Z-DC24V	24	30	PharMed BPT	PharMed BPT 3 x 5		30.8
RP-M03W-30Z-DC24V	24	30	Transmaster TM-15	Transmaster TM-15 3 x 5		30.8
RP-M04S-50Z-DC24V	24	50	Silicone	4 x 6	В	28.3
RP-M04F-50Z-DC24V	24	50	PharMed BPT	4 x 6	В	28.3
RP-M04W-50Z-DC24V	24	50	Transmaster TM-15	4 x 6	В	28.3
RP-M04C-50Z-DC24V	24	50	SWFT	3.9 x 5.8	В	28.3
RP-M04F-70Z-DC24V	24	65	PharMed BPT	4 x 6	В	28.3
RP-M04W-70Z-DC24V	24	65	Transmaster TM-15	4 x 6	В	28.3
RP-M04C-70Z-DC24V	24	65	SWFT	3.9 x 5.8	В	28.3

^{*} PharMed BPT & SWFT are products of Saint-Gobain SA and PharMed BPT was formerly described as PharMed.in our brochure. * Transmaster TM-15 is product of Mitsuboshi Co. Ltd., Japan.



RP-G II Series

Features

- Compact box shape makes it possible to pile up plural G II pumps.
- We have 2G II series which can flow two different liquids by a single pump.

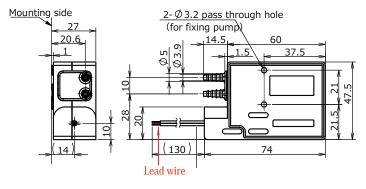
Examples of application

Automatic washing machine Electrolytic water conditioner Applications for detergent supply etc.

Main specifications

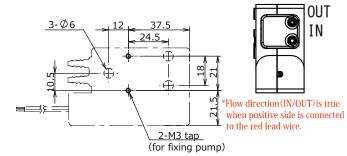
Flow rate (mL/min) *	10 12 17 20 25 40 45
Tubing	Silicone/ PharMed BPT/ Tygon A-60-F
Motor/Power source	DC geared motor DC12V、24V
Weight (for reference)	Approx. 90g

[Outline view]



[Mounting plate view]



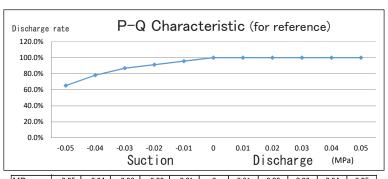


Lead wire should not face downward.

Model Lineup

Modelliness	Voltage	Flow rate	Tubing		
Model Lineup	(DC/V)	(mL/min)	Туре	ID x OD(mm)	
RP-G II 02 S -10Z-DC12V	12	12	Silicone	2 x 4	
RP-G II 02F-10Z-DC24V	24	10	PharMed BPT	2 x 4	
RP-G II 02F-10Z-DC12V	12	10	PharMed BPT	2 x 4	
RP-G II 02 S -25Z-DC24V	24	25	Silicone	2 x 4	
RP-G II 02F-25Z-DC24V	24	25	PharMed BPT	2 x 4	
RP-G II 2.5S-20Z-DC12V	12	20	Silicone	2.5 x 4.5	
RP-G II 2.5S-40Z-DC24V	24	40	Silicone	2.5 x 4.5	
RP-G II 2.8N-20Z-DC12V	12	20	Tygon A-60-F	2.8 x 4.8	
RP-G II 2.8N-40Z-DC24V	24	40	Tygon A-60-F	2.8 x 4.8	

^{*} PharMed BPT and Tygon A-60-F are products of Saint-Gobain SA and formerly described as PharMed and Norprene in our brochure.



 MPa
 -0.05
 -0.04
 -0.03
 -0.02
 -0.01
 0
 0.01
 0.02
 0.03
 0.04
 0.05

 Discharge rate
 65.2%
 78.3%
 87.0%
 91.3%
 95.7%
 100.0%
 100.0%
 100.0%
 100.0%
 100.0%
 100.0%
 100.0%

RP-M Series (AC type)



Features

This is the only series among our product lineup that you can select DC or AC . You have wide range of application.

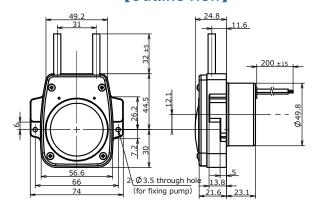
Examples of application

Automatic washing machine, Electrolytic water conditioner, Air pressure adjuster, Automatic car washer and many other applications for detergent supply etc.

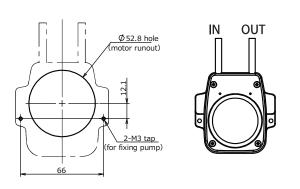
Main specifications

Flow rate (mL/min)	5 15 20 35 (at 60Hz)
Tubing	Silicone / Pharmed BPT / SWFT
Motor/Power source	AC synchronous motor AC 100V
Weight (for reference)	Approx. 200g

[Outline view]

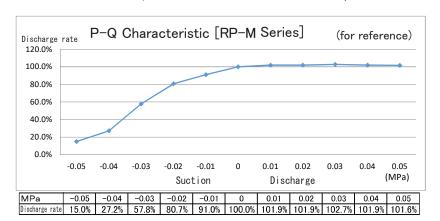


[Mounting plate view] [Flow direction]



Model Lineup	Voltage	Flow rate (mL/min)		Tubing	
	(DC/V)	50Hz	60Hz	Туре	ID x OD (mm)
RP-M02S-5Z-AC100V	100	4.2	5	Silicone	2 x 4
RP-M02F-5Z-AC100V	100	4.2	5	PharMed BPT	2 x 4
RP-M03S-15Z-AC100V	100	12.5	15	Silicone	3 x 5
RP-M03F-15Z-AC100V	100	12.5	15	PharMed BPT	3 x 5
RP-M04S-20Z-AC100V	100	17	20	Silicone	4 x 6
RP-M04F-20Z-AC100V	100	17	20	PharMed BPT	4 x 6
RP-M04C-20Z-AC100V	100	17	20	SWFT	3.9 x 5.8
RP-M04S-35Z-AC100V	100	29	35	Silicone	4 x 6
RP-M04F-35Z-AC100V	100	29	35	PharMed BPT	4 x 6
RP-M04C-35Z-AC100V	100	29	35	SWFT	3.9 x 5.8

^{*} PharMed BPT & SWFT are products of Saint-Gobain SA . PhaMed BPT was formerly described as PharMed in our brochure.



RP-G III Series

特徴



Features

- Unique and compact box shape pump (Worm gear set is employed)
- Flow rate range is rather small and it is in near side to one for series of RP-Q and RP-CIII.
- More choices in selecting tubing.

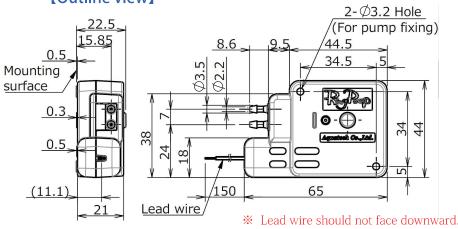
Examples of application

Automatic washing machine Electrolytic water conditioner Applications for detergent supply etc.

Main specifications

Flow rate (mL/min)	2.5 - 12 (see Model Lineup)			
Tubing	Silicone/PharMed BPT/Versilon F-5500-A/TM-15			
Motor/Power source	DC geared motor DC 3 - 6V			
Weight (for reference)	Approx. 62g			

[Outline view]



(Flow direction)

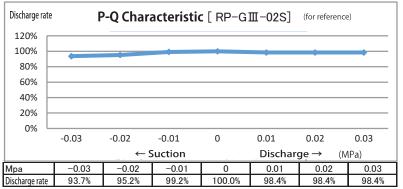


Flow direction (IN/OUT) is true when positive side is connected to the red lead wire.

	Voltage	Flow rate	Tubing	
Model Lineup	(DC/V)	(mL/min)	Туре	ID x OD (mm)
RP-GM02S-12Z-DC6V	6	12	Silicone	2 x 4
RP-GШ02 S -5Z-DC3V	3	5	Silicone	2 x 4
RP-GШ02F-10Z-DC6V	6	10	PharMed BPT	2 x 4
RP-GIII02F-4P5Z-DC3V	3	4.5	PharMed BPT	2 x 4
RP-GIII1.6F-6P5Z-DC6V	6	6.5	PharMed BPT	1.6 x 3.2
RP-GⅢ1.6F-2P5Z-DC3V	3	2.5	PharMed BPT	1.6 x 3.2
RP-GⅢ1.6R-8Z-DC6V	6	8	Versilon F-5500-A	1.6 x 3.2
RP-GⅢ1.6R-3P2Z-DC3V	3	3.2	Versilon F-5500-A	1.6 x 3.2
RP-GIII1.6W-7Z-DC6V	6	7	Transmaster TM-15	1.6 x 3.2
RP-GIII1.6W-3Z-DC3V	3	3	Transmaster TM-15	1.6 x 3.2

^{*} PharMed BPT and Versilon F-5500-A are products of Saint-Gobain SA and formerly described as PharMed and Fluran in our brochure.

^{*} Transmaster TM-15 is product of Mitsuboshi Co., Ltd., Japan



RP-H series

Features

• High reliability specifications.

By adopting needle roller bearing for output shaft, we could achieve 5,000 hours of continuous operation.

(5,000 hours is our experimental value, except for brushed DC motor, using water and it is not guaranteed value.)

Various motor specifications to suit your own application.

- Brushed DC motor
- Brushless DC motor
- Stepper motor

Pumphead is replaceable.

Docking of pumphead can be done quite easily in a single action by adopting strong magnet.

Pumphead can be sterilized.

- Autoclave sterilization 10 times at $121^{\circ}\text{C} \times 25$ min. (Except pumphead with TM-15 tubing.)
- γ ray sterilization (25kGy)
- Tubings can be selected from 6 types.

Examples of application

Analytical instruments, medical devices, cell culturing experiments and many other usage where micro-fluidic control is needed.



RP-H pump with brush motor



RP-H pump with brushless motor



RP-H pump with stepper motor

Pumphead is detached from the pump with stepper motor.

Being compatible with various motors, wider variety of choices became available.

Main specifications

Motor type →	Brushed DC	Brushless DC	Stepper	
Flow rate	2 - 10 mL /min	2 - 10 mL /min	20 <i>μ</i> L-10mL/ _{min}	
Motor / Power source	DC24V (Variable:DC6 - 24V)	DC24V (PWM-Duty cycle 30 - 100% variable)	DC5V (1 - 400PPS: 0.25 - 100rpm)	
Tubing	$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
Weight (for reference)	approx. 350 g	approx. 345 g	approx. 285 g	

We recommend to use RE-C700 motor controller which is dedicated to use with RP-H pumps of stepper motor type.



Lineup

•	Model Lineup	Voltage	Flow rate	Tubin	ıg	Model of
	Woder Emedp	(DC/V)	(mL/min)	Туре	ID x OD(mm)	pumphead
Br	RP-H02S-10Z-DC24V	24	3 - 10	Silicone	2.0 x 4.0	RK-H02S
Brushed	RP-H02F-10Z-DC24V	24	3 - 10	PharMed BPT	2.0 x 4.0	RK-H02F
	RP-H1.6S-7Z-DC24V	24	2 - 7	Silicone	1.6 x 3.2	RK-H1.6S
	RP-H1.6F-7Z-DC24V	24	2 - 7	PharMed BPT	1.6 x 3.2	RK-H1.6F
motor	RP-H1.6R-7Z-DC24V	24	2 - 7	Versilon F-5500-A	1.6 x 3.2	RK-H1.6R
[[]	RP-H1.6W-7Z-DC24V	24	2 - 7	TransmasterTM-15	1.6 x 3.2	RK-H1.6W
Br	RP-H02S-10Z-DC24VL	24	3 - 10	Silicone	2.0 x 4.0	RK-H02S
hsh	RP-H02F-10Z-DC24VL	24	3 - 10	PharMed BPT	2.0 x 4.0	RK-H02F
Brushless	RP-H1.6S-7Z-DC24VL	24	2 - 7	Silicone	1.6 x 3.2	RK-H1.6S
R	RP-H1.6F-7Z-DC24VL	24	2 - 7	PharMed BPT	1.6 x 3.2	RK-H1.6F
motor	RP-H1.6R-7Z-DC24VL	24	2 - 7	Versilon F-5500-A	1.6 x 3.2	RK-H1.6R
to	RP-H1.6W-7Z-DC24VL	24	2 - 7	TransmasterTM-15	1.6 x 3.2	RK-H1.6W
	RP-H02S-10Z-DC5VS	5	(30 μ L) - 10	Silicone	2.0 x 4.0	RK-H02S
itep	RP-H02F-10Z-DC5VS	5	(30 μ L) - 10	PharMed BPT	2.0 x 4.0	RK-H02F
pei	RP-H1.6S-7Z-DC5VS	5	$(20\mu\mathrm{L})$ - 7	Silicone	1.6 x 3.2	RK-H1.6S
Stepper motor	RP-H1.6F-7Z-DC5VS	5	(20 μ L) - 7	PharMed BPT	1.6 x 3.2	RK-H1.6F
ot	RP-H1.6R-7Z-DC5VS	5	(20 μ L) - 7	Versilon F-5500-A	1.6 x 3.2	RK-H1.6R
	RP-H1.6W-7Z-DC5VS	5	(20 μ L) - 7	TransmasterTM-15	1.6 x 3.2	RK-H1.6W

PharMed BPT, Versilon: Product of Saint-Gobain SA (Transmaster) TM-15: Product of Mitsuboshi, Japan

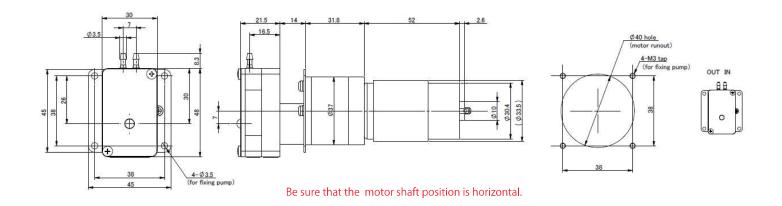
Outline views of the pumps with different motors.

Outline view

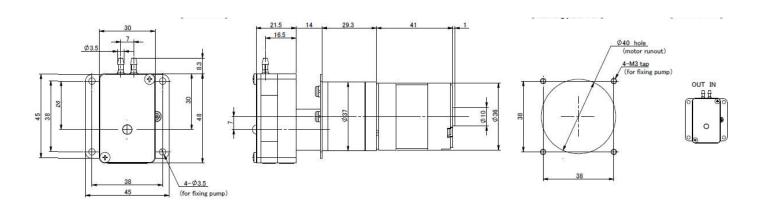
Mounting plate view

Flow direction in CW revolution

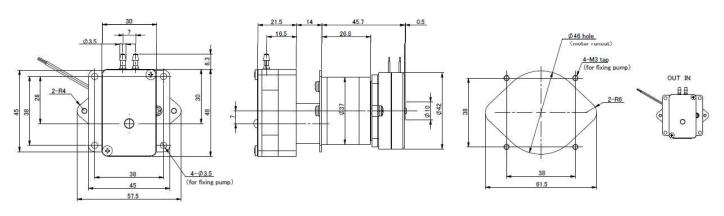
RP-H pump with brushed motor



RP-H pump with brushless motor



RP-H pump with stepper motor



Pumphead is detachable!

$\mathbf{RP} extbf{-}\mathbf{Q}\,\mathbf{II}$ Series $\mathbf{RP} extbf{-}\mathbf{Q}\,\mathbf{III}$ Series



Features

- We have newly developed new series of RP-Q series, which has replaceable pump head that has been requested by many customers.
- RP-QIII series has mounting holes.
- Newly added RP-QIIIA and RP-QIIIA achieved the highest flow rate as 3mL/min.

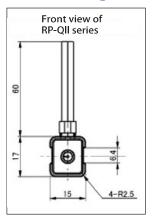
Examples of application

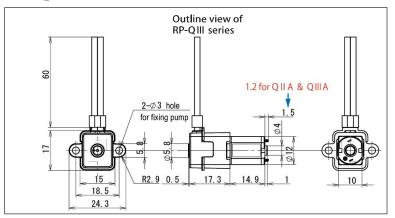
Analytical instruments, medical devices, fuel cell and many other usage where micro-fluidic control is needed.

Main specifications

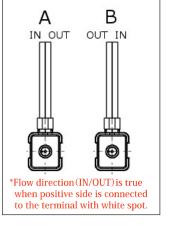
Flow rate (mL/min)	Q II: 0.45 0.9 Q II X: 1.2 2.2 Q II A: 3.0 (Same for Q III series)
Tubing	Silicone / SWFT
Motor/Power source	DC geared motor DC 3V
Weight (for reference)	Approx. 13g

(Outline view)



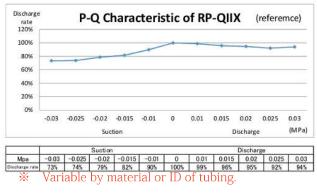


[Flow direction]



Model Lineup	Voltage	Flow rate	Tu	Flow Direction	
	(DC/V)	(mL/min)	Type ID x OD (mm)		
RP-Q II 1.5S-P90Z-DC3V	3	0.90	Silicone	1.5 x 2.5	A
RP-Q II 1.2C-P45Z-DC3V	3	0.45	SWFT	1.2 x 2.5	A
RP-Q II X1.5S-2P2Z-DC3V	3	2.20	Silicone	1.5 x 2.5	В
RP-Q II X1.2C-1P2Z-DC3V	3	1.20	SWFT	1.2 x 2.5	В
RP-QⅢ1.5S-P90Z-DC3V	3	0.90	Silicone	1.5 x 2.5	A
RP-QIII1.2C-P45Z-DC3V	3	0.45	SWFT	1.2 x 2.5	Λ
RP-QIIIX1.5S-2P2Z-DC3V	3	2.20	Silicone	1.5 x 2.5	В
RP-QMX1.2C-1P2Z-DC3V	3	1.20	SWFT	1.2 x 2.5	В
RP-Q II A1.5S-3Z-DC3V	3	3.00	Silicone	1.5 x 2.5	В
RP-QIIIA1.5S-3Z-DC3V	3	3.00	Silicone	1.5 x 2.5	Б

^{*} SWFT is product of Saint-Gobain SA



RP-CIII Series

Features

- Small in size and in flow rate among multi-purpose pumps in our lineup.
- Pump head including tube is replaceable and you have wide range of usage.

Examples of application

Analytical instruments, medical devices, ink jet printer and many other usage where micro-fluidic control is needed.

Main specifications

Flow rate (mL/min)	1.6 2.8
Tubing	Silicone/PharMed BPT/Versilon F-5500-A
Motor/Power source	DC geared motor DC3V 5V
Weight (for reference)	Approx. 30g

Pump head is replaceable easily without screw.

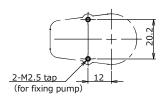
[Outline view]

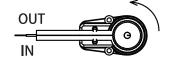
2- Ø 2.8through-hole (for fixing pump) Lead wire Red: Positive pole Black: Negative pole

[Mounting plate view]

[Flow direction]

Rotation direction: CCW





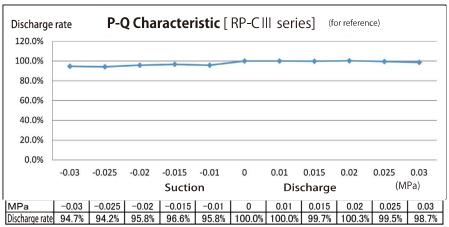
IMPORTANT I

Connect "red" lead wire to positive pole and "black" one to negative pole. If you connect properly, flow direction is as shown in above illustration.

If you connect to opposit pole, it may cause troubles such as flow failure.

	Voltage	Flow rate	Tubing		Variable	Model of
Model Lineup	(DC/V)	(mL/min)	Туре	ID × OD (mm)	range of voltage	pump head
RP-CⅢ1.6S-2Z-DC3V	3	1.6	Silicone	1.6 x 3.2		RK-CIII1.6S
RP-CⅢ1.6F-2Z-DC3V	3	1.6	PharMed BPT	1.6 x 3.2	3V - 5V	RK-CIII1.6F
RP-CIII1.6R-2Z-DC3V	3	1.6	Versilon F-5500-A	1.6 x 3.2		RK-CIII1.6R
RP-CⅢ1.6S-3Z-DC5V	5	2.8	Silicone	1.6 x 3.2		RK-CIII1.6S
RP-CIII1.6F-3Z-DC5V	5	2.8	PharMed BPT	1.6 x 3.2	3V - 5V	RK-CIII1.6F
RP-CIII1.6R-3Z-DC5V	5	2.8	Versilon F-5500-A	1.6 x 3.2		RK-CIII1.6R

^{*} PharMed BPT and Versilon F-5500-A are products of Saint-Gobain SA and formerly described as PharMed and Fluran in our brochure.



RP-Q & QX Series



Features

 Very small and light weight peristaltic pump became available by our original and unique Ring Pump technology. Its applications are increasing rapidly even in the space developments such as in NASA, JAXA etc.

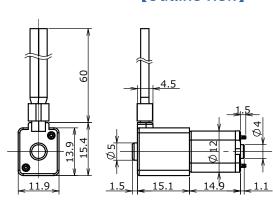
Examples of application

Analytical instruments, medical devices, fuel cell and many other usage where micro-fluidic control is needed.

Main specifications

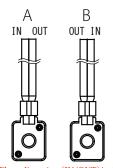
Flow rate (mL/min)	Q: 0.20 0.45 QX: 0.5 1.1
Tubing	Silicone / Tygon A-60-F / SWFT
Motor/Power source	DC geared motor DC 3V
Weight (for reference)	Approx. 11g

[Outline view]





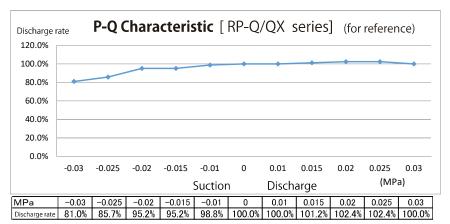
[Flow direction]



*Flow direction (IN/OUT) is true when positive side is connected to the terminal with white spot.

	Voltage	Flow rate	Tub	Flow	
Model Lineup	(DC/V) (mL/min)		Туре	ID x OD (mm)	Direction
RP-Q1.5S-P45Z-DC3V	3	0.45	Silicone	1.5 x 2.5	
RP-Q1.2N-P20Z-DC3V	3	0.20	Tygon A-60-F	1.2 x 2.5	A
RP-Q1.2C-P20Z-DC3V	3	0.20	SWFT	1.2 x 2.5	
RP-QX1.5S-1Z-DC3V	3	1.10	Silicone	1.5 x 2.5	
RP-QX1.2N-P50Z-DC3V	3	0.50	Tygon A-60-F	1.2 x 2.5	В
RP-QX1.2C-P50Z-DC3V	3	0.50	SWFT	1.2 x 2.5	

^{*} Tygon A-60-F and SWFT are products of Saint-Gobain SA. Tygon-A-60-F was formerly described as Norprene in our brochure.



Wariable by material or ID of tubing.

Stepper motor type of RP-Q II /RP-Q III series



RP-QIIB/C series RP-QIIB/C series

Features

- We are introducing stepper motor type of RP-Q II and RP-Q III which are pump head replaceable, according to the strong requests from many of our customers.
- All the specifications and functions are same between RP-QII seris and RP-QIII series. The only difference is that RP-QIII series has mounting holes which is useful for some customers.
- Pump head can be sterilized.
 * By autoclave: 121°C 25 minutes (Available only for silicone tubing)
 *By Gamma rays: 15 kGy etc.

Recommended application

Analytical instruments, medical devices, fuel cell and many other usage. Recently, such applications as cell culturing are growing where micro-fluidic control is indispensable. By using with our separately sold programmable motor controllers such as RE-C500/C501, and RE-C600, you can reallize wide range of flow control.



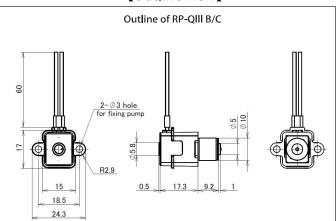
When the pump head is detached.

Front view of

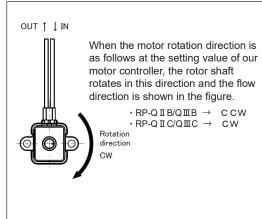
RP-QII B/C

2

[Outline view]



[Flow direction]



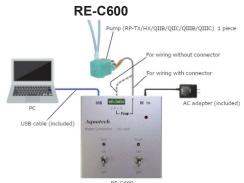
Model Lineup

Model Lineup	Gear ratio Voltage (DC/V)		Flow rate	Tubing	
Model Lineup			(mL/min)	Туре	ID x OD (mm)
RP-Q II C1.5S-1P1A-DC3VS	1/50	2.6 - 3.3	3 - 1100	Silicone	1.5 x 2.5
RP-QIIC1.5S-1P1A-DC3VS	1/50	2.6 - 3.3	3 - 1100	Silicone	1.5 x 2.5
RP-Q II BP5S-P06A-DC3VS	1/150	2.6 - 3.3	0.06 - 60	Silicone	0.5 x1.5
RP-Q II BP5F-P06A-DC3VS	1/150	2.6 - 3.3	0.06 - 60	PharMed BPT	0.5 x1.5
RP-QIIBP5S-P06A-DC3VS	1/150	2.6 - 3.3	0.06 - 60	Silicone	0.5 x1.5
RP-QIIBP5F-P06A-DC3VS	1/150	2.6 - 3.3	0.06 - 60	PharMed BPT	0.5 x1.5
Motor controller			RE-C200/C201	at: 1~1000 PPS	Drive

PC controllable new motor controller

Examples of application set





RP-HX Series



Features

- The world smallest level flow rate.
- Wide range of flow levels are possible by using different pumpheads.
- Docking of the pumphead can be done in one action by using magnet for docking.
- Autoclave sterilizable pumphead is available.

Examples of application

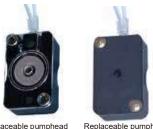
Analytical instruments, medical devices, cell culturing experiments and many other usages where micro-fluidic control is needed.

Main specifications

Flow rate (μ L/min)*	2 - 1,000
Tubing	Silicone, PharMed BPT
Motor/Power source	Stepper motor DC 2.6 - 3V
Weight (for reference)	Approx. 44g (Varies by motor)

^{*}Flow rate is at revolution speed 5 - 1,000 pps (1/4 micro step).

Replaceable Pumphead



Replaceable pumphead **RK-HXP5S**

Replaceable pumphead RK-HXP5S-C

Motor Controller



RF-C100 Motor controller and frequency counter for RP-HX pumps

PC Programable Motor Controller



- * You can control one pump with RE-C200
- RE-C200 can be connected with two sets of slave controller RE-C201 and each set can control 4 pumps.
 Thus, maximum 9 pumps can be controlled by the set of one RE-C200 and two RE-201.
- * Mixture of different pumps is possible



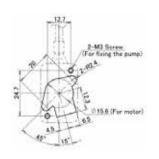
- You can control 6 pumps with RE-C500.
- * FOU can control 6 pumps with RE-LSSU. sR-LSSU0 and be connected with one set of RE-CS01 which can control 6 pumps. Thus, maximum 12 pumps can be controlled by each one set of RE-CS00 and RE-S01. Each operation sequence of the pump can be programmed and by storing the program data in the RE-S00, the pump can be driven without a PC connection.
 - Mixture of different pumps is po
- * Can be stopped at a specified number of revolutions up to 30 times, enabling fixed volume dispensing operation at a specified multiple of the dispensing volume per revo-lution
- Each operation sequence of the pump can be programmed and by storing the program data in the RE-C600, the pump can be driven without a PC connection.

Outline view

$2-\emptyset 3.1$ (For fixing 22.5 Wire length 10 22.2 Pump head Base unit

Mounting plate view

Flow direction in CW revolution





*When mounting the pump head on the base unit, it is possible to rotate the pump head 180 degrees so that the tubing faces downwards.

Madallinana	Pumphead	Autoclave	Connector	Flow rate	Tul	oing
Model Lineup	Pumpneau	sterilization	Cord length	(<u>µ</u> L / min)	Type	ID x OD (mm)
RP-HXP5S-P4A-DC3VS	RK-HXP5S	No	No connector 15 cm	2 - 400	Silicone	0.5 x 1.5
RP-HX01S-1A-DC3VS	RK-HX01S	No	No connector 15 cm	5 - 1,000	Silicone	1.0 x 2.0
RP-HXP5F-P25A-DC3VS	RK-HXP5F	No	No connector 115 cm	2 - 350	PhaMed BPT	0.5 x 1.5
RP-HXP5S-P4E-DC3VS	RK-HXP5S-C	Yes	No connector	2 - 400	Silicone	0.5 x 1.5
RP-HX01S-1H-DC3VS	RK-HX01S-D	Yes	115 cm	5 - 1,000	Silicone	1.0 x 2.0
RP-HXP5S-P4G-DC3VS	RK-HXP5S	No	With connector	2 - 400		0.5 x 1.5
RP-HX01S-1J-DC3VS	RK-HX01S		65 cm	5 - 1,000	Silicone	1.0 x 2.0
RP-HXP5S-P4H-DC3VS	RK-HXP5S	140	With connector	2 - 400	Silicone	0.5 x 1.5
RP-HX01S-1K-DC3VS	RK-HX01S		215 cm	5 - 1,000		1.0 x 2.0
RP-HXP5S-P4J-DC3VS	RK-HXP5S-C	Yes	With connector	2 - 400	Silicone	0.5 x 1.5
RP-HX01S-1L-DC3VS	RK-HX01S-D		215 cm	5 - 1,000	Sincone	1.0 x 2.0

- * PharMed BPT is product of Saint-Gobain SA and formerly described as PharMed in our brochure.
- * 1. Select pumps with connector when you wish to control them by motor controller RE-C500/C501.
- * 2. Pumps without connector can be controlled by motor controller RE-C200/C201/C100.
- * 3. Motor controller RE-C600 can control pumps both with and without connector.

RP-TX Series



Features

- The world smallest level flow rate.
- Wide range of flow levels are possible by using different pumpheads.
- Docking of the pumphead can be done easily by using three screws.
- Autoclave sterilizable pumphead is available.

Examples of application

Analytical instruments, medical devices, cell culturing experiments and many other usages where micro-fluidic control is needed.

Main specifications

Flow rate (μ L/min)*	0.03 - 40
Tubing	Silicone, PharMed BPT
Motor/Power source	Stepper motor DC 3V
Weight (for reference)	Approx. 9g (Varies by motor)

^{*}Flow rate is at revolution speed 1 - 1,000 pps (1/4 micro step).

Replaceable Pumphead **Motor Controller**



Replaceable pumphead ARTBS0.5X1.5-K



ARTBS0.5X1.5-K5 Autoclave sterilizable



Motor controller and display for RP-TX pumps



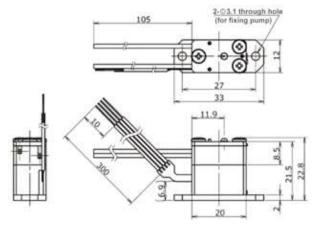
- * RE-C200 can be connected with two sets of slave controller RE-C201 and each set can control 4 pumps. Thus, maximum 9 pumps can be controlled. by the set of one RE-C200 and two RE-201.
- * Mixture of different pumps is possible



Mixture of different pumps is possible

- * You can control one pump with RE-C600.
- RE-C501 You can control 6 pumps with RE-C500

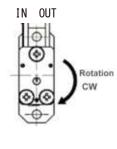
Outline view



Mounting plate view

Flow direction in CW revolution





Model Lineup Pumphead		Autoclave	Connector	Flow rate	Tubing	
Moder Lineup	Pumpnead	sterilization	Cord length	(μL/min)	Type	ID x OD (mm)
RP-TXP5S-P04A-DC3VS	AR-TBS0.5X1.5-K		No connector	0.03 - 40	Silicone	0.5 x 1.5
	12001011110 14	No	30 cm			
RP-TXP5F-P03A-DC3VS	AR-TBF0.5X1.5-K	140	No connector	0.03 - 30	PharMed BPT	0.5 x 1.5
KI - I XI 31 - I U3A - DC3 V3	AK-1 BI-0.5X1.5-K		30 cm			
RP-TXP5S-P04L-DC3VS	AR-TBS0.5X1.5-K5	Yes	No connector	0.03 - 40	Silicone	0.5 x 1.5
KF-1XF55-F04L-DC5V5	AK-1 B30.5X1.5-K5	ies	100 cm	0.05 - 40	Sincone	0.5 x 1.5
DD TVDES DOAO DOSSIS	AR-TBS0.5X1.5-K		With connector	0.02 40	6.1.	05 15
RP-TXP5S-P04Q-DC3VS	AK-1 D50.5A1.5-K	No	50 cm	0.03 - 40	Silicone	0.5 x 1.5
RP-TXP5S-P04R-DC3VS	AR-TBS0.5X1.5-K	No	With connector	0.03 - 40	C:1:	0.5 - 1.5
RP-1AP35-P04R-DC3V3	75 AR-1 D50.5A1.5-K		200 cm	0.03 - 40	Silicone	0.5 x 1.5
DD TVDEC DOAC DOAG	AD TROO EVI E VE		With connector	0.00 40	au.	0.5.4.5
RP-TXP5S-P04S-DC3VS AR-TBS0.5X1.5-K5	Yes	200 cm	0.03 - 40	Silicone	0.5 x 1.5	

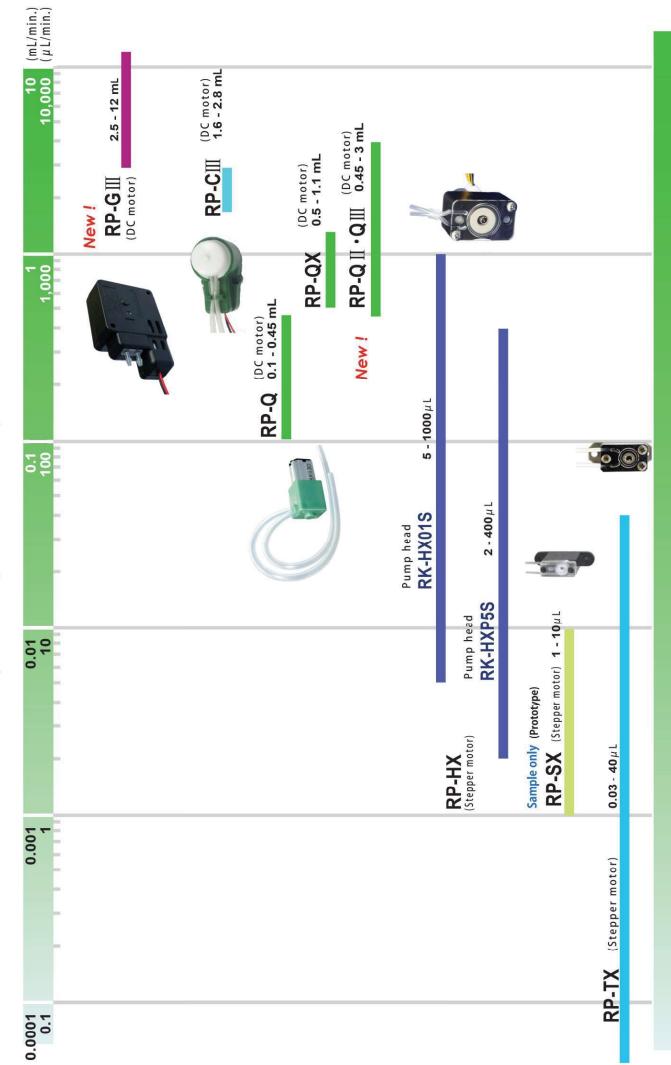
^{*} PharMed BPT is product of Saint-Gobain SA and formerly described as PharMed in our brochure.

- * 1. Select pumps with connector when you wish to control them by motor controller RE-C500/C501.
- * 2. Pumps without connector can be controlled by motor controller RE-C200/C201/C100.
- * 3. Motor controller RE-C600 can control pumps both with and without connector.

Line-up of Micro Ring Pump

(Customised products are included)







RP-K II Series For "Fixed Flow Rate" Pump System



Features

- Simple design and tough pump.
- You can select fixed flow rate from 5mL to 150 mL and select tubing from 3 kinds of materials.

Examples of application

Automatic washing machine, Electrolytic water conditioner, Air pressure adjuster, Automatic car washer and many other applications for detergent supply etc.

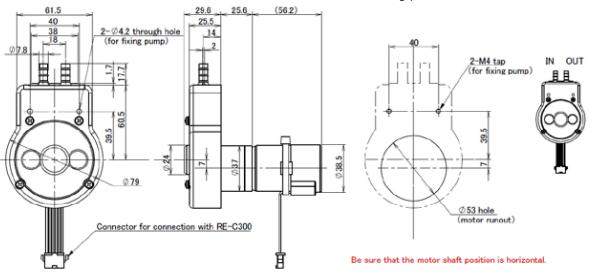
Main specifications

Flow rate	Max. 150mL / 5mL - Step		
Tubing	Silicone/ Norprene/ TM-15		
Motor/Power source	DC 24V		
Material of main parts	Base: Iron Case: PP		
Weight (for reference)	Approx. 415g		

[Outline view]

[Mounting plate view]

[Flow direction]



Model Lineup

Model Lineup	Voltage	Flow rate	Tu	Product name of		
Model Ellieup	(DC/V)	(Max. mL)	Type	ID x OD (mm)	Pump system	
RP-K II 05S-150A-DC24VE	24	150	Silicone (S)	4.8 x 8.0	RE-C300-K II 05S	
RP-K II 05N-150A-DC24VE	24	150	Norprene (N)	4.76 x 7.94	RE-C300-K II 05N	
RP-K II 05W-150A-DC24VE	24	150	TM-15 (W)	4.8 x 7.9	RE-C300-K II 05W	

Motor controller RE-C300







RP-H II Series For "Fixed Flow Rate" Pump System





Features

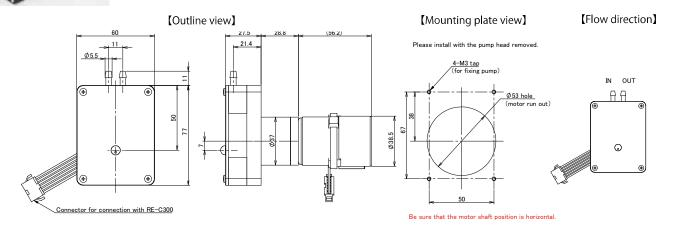
- High flow rate type
- Pump head is replaceable and the docking of pump head can be done in a single action. No screw bolt needed.
- Pump head can be sterilized.
 * By autoclave: 121°C 25 minutes Gamma rays: 25 kGy etc.
- You can select tubing from 4 kinds of materials.

Examples of application

Analytical instruments, medical devices, cell culturing experiments and many other usage where micro-fluidic control is needed.

Main specifications

Flow rate	Max. 70mL / 1.0mL - Step		
Tubing	Silicone/Pharmed/TM-15/SWFT		
Motor/Power source	DC 24V		
Material of main parts	Base、Case、Cover: PBT		
Weight (for reference)	Approx. 360g		



Model Lineup

Modellineur	Voltage	Flow rate (Max. mL)	Tul	Product name of	
Model Lineup	(DC/V)		Туре	ID x OD (mm)	Pump system
RP-H II 04S-70A-DC24VE	24	70	Silicone (S)	4 x 6	RE-C300-H II 04S
RP-H II 04F-70A-DC24VE	24	70	PharMed (F)	4 x 6	RE-C300-H II 04F
RP-H II 04W-70A-DC24VE	24	70	TM-15 (W)	4 x 6	RE-C300-H II 04W
RP-H II 04C-70A-DC24VE	24	70	SWFT (C)	3.9 x 5.8	RE-C300-H II 04C

Motor controller RE-C300







RP-M Series For "Fixed Flow Rate" Pump System



Features

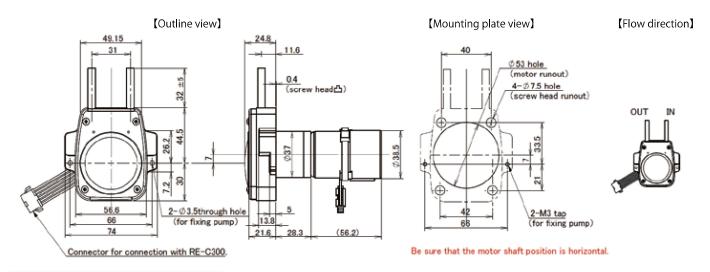
- For wide and general purpose usage, being a standard product with a proven sales track record.
- Tubing can be selected from 3 kinds of materials.

Examples of application

Automatic washing machine, Electrolytic water conditioner, Air pressure adjuster, Automatic car washer and many other applications for detergent supply etc.

Main specifications

Flow rate	Max. 25mL / 1mL - Step		
Tubing	Silicone/Pharmed/TM-15		
Motor/Power source	DC 24V		
Material of main parts	Base: ABS Cover: PP		
Weight (for reference)	Approx. 355g		



Model Lineup

Modellineum	Voltage	Flow rate	Tu	bing	Product name of
Model Lineup	(DC/V)	(Max. mL)	Туре	ID x OD (mm)	Pump system
RP-M02S-25A-DC24VE	24	25	Silicone (S)	2 x 4	RE-C300-M02S
RP-M02F-25A-DC24VE	24	25	PharMed (F)	2 x 4	RE-C300-M02F
RP-M02W-25A-DC24VE	24	25	TM-15 (W)	2 x 4	RE-C300-M02W

Motor controller RE-C300







RP-H Series

For "Fixed Flow Rate" Pump System



Features

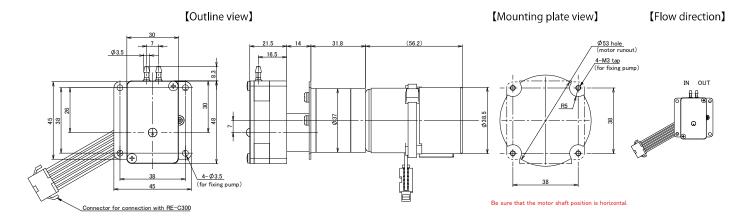
- Pump head is replaceable and the docking of pum phead can be done in a single action. No screw bolt needed.
- Pump head can be sterilized.
 (121 degree C, 25 min. / Gamma rays)
- You can select tubing from 5 kinds of materials.

Examples of application

Analytical instruments, medical devices, cell culturing experiments and many other usage where micro-fluidic control is needed.

Main specifications

Flow rate	Max. 7mL / 0.2mL - Step		
Tubing	Silicone/Pharmed/E-65-F/Fluran/TM-15		
Motor/Power source	DC 24V		
Material of main parts	Base、Case、Cover: PBT		
Weight (for reference)	Approx. 355g		



Model Lineup

Model Lineup	Voltage	Flow rate	Tu	Product name of	
	(DC/V)	(Max. mL)	Туре	ID x OD (mm)	Pump system
RP-H1.6S-7A-DC24VE	24	7	Silicone (S)	1.6 x 3.2	RE-C300-H1.6S
RP-H1.6F-7A-DC24VE	24	7	PharMed (F)	1.6 x 3.2	RE-C300-H1.6F
RP-H1.6E-7A-DC24VE	24	7	* E-65-F (E)	1.6 x 3.2	RE-C300-H1.6E
RP-H1.6R-7A-DC24VE	24	7	Fluran (R)	1.6 x 3.2	RE-C300-H1.6R
RP-H1.6W-7A-DC24VE	24	7	TM-15 (W)	1.6 x 3.2	RE-C300-H1.6W

* Official name of E-65-F is Tygon E-65-F

Motor controller RE-C300



