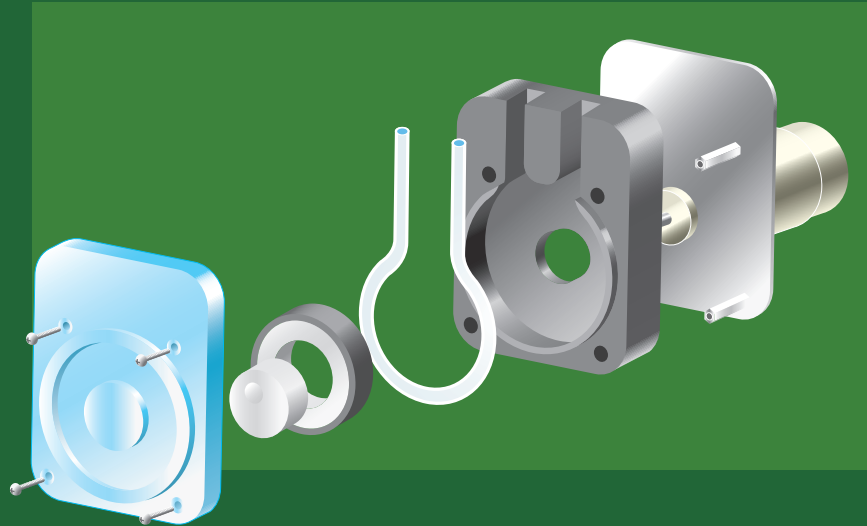


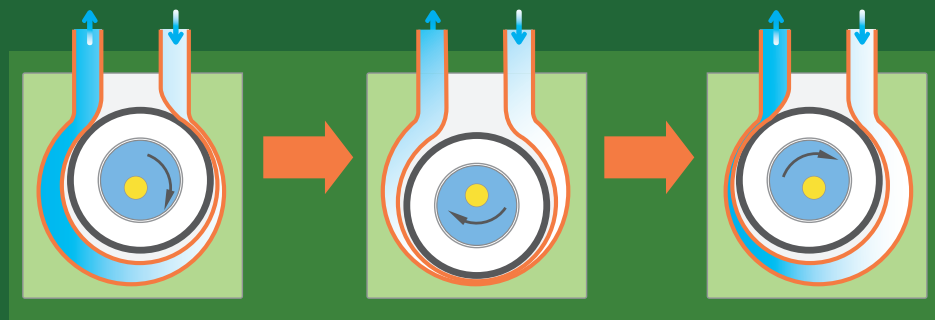
Aquatech presents “Ring Pump®”

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.

2-1-13, Ono, Daito City, Osaka 574-0042, Japan
Phone: 81-72-806-3210 Fax: 81-72-806-3211

E-mail info@ringpump-aquatech.co.jp
URL <https://ringpump-aquatech.co.jp>



Contact our export business agent

TAKASAGO ELECTRIC, INC.

66, KAKITSUBATA, NARUMI-CHO, MIDORI-KU, NAGOYA, 458-8522 JAPAN
Phone 81-52-891-2301 Fax 81-52-891-7386

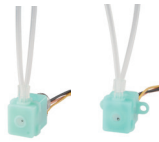
E-mail: info@takasago-elec.co.jp URL: <http://www.takasago-fluidic.com>



Ring Pump®
Aquatech Co., Ltd.

Super-micro type [Covers nanoL/min to µL/min]

※ Stepper motor is used.

Type	Flow rate (mL/min)	Tubing	Motor/Power	Appearance/Dimension (mm)
RP-Q II B/Q III B Series	0.06 ~ 350 µL	●Silicone ●PharMed BPT	Stepper motor DC 2.6V~3.3V	 L: 17.0 W: 15.0 (24.3) D: 28.9
RP-Q II C/Q III C Series	0.18 ~ 1100 µL			
RP-Q II F/Q III F Pump head replaceable type	2.6 ~ 2600 µL (2.6mL)	●Silicone	Stepper motor DC 3.3V	

Pump system for fixed discharge volume [Sold as a set with Motor controller RE-C300]

Type	Flow rate (mL/min)	Tubing	Motor/Power	Appearance/Dimension (mm)
Pump system RE-C300-HC Series Controller RE-C300 Pump RP-HC Series	7mL/min	●Silicone ●PharMed BPT ●Persilon F5500-A ●Transmaster TM-15	DC geared motor (with encoder) DC 24V	 L: 48 W: 45 D: 123.5
Pump system RE-C300-H II C Series Controller RE-C300 Pump RP-H II C Series	70mL/min	●Silicone ●PharMed BPT ●Transmaster TM-15 ●SWFT	DC geared motor (with encoder) DC 24V	 L: 60 W: 77 D: 112.3
Pump system RE-C300-MC Series Controller RE-C300 Pump RP-MC Series	25mL/min	●Silicone ●PharMed BPT ●Transmaster TM-15	DC geared motor (with encoder) DC 24V	 L: 74 W: 74.5 D: 106.1
Pump system RE-C300-K II C Series Controller RE-C300 Pump RP-K II C Series	150mL/min	●Silicone ●Tygon A-60-F ●Transmaster TM-15	DC geared motor (with encoder) DC 24V	 L: 79 W: 101.7 D: 111.4

Motor controller and frequency counter for stepper motor.

[Motor controller for RP-HX, RP-TX, RP-Q II B/C/F, RP-Q III B/C/F series]

Type	Outline of specifications	Number of pumps to be connected	Appearance/Dimension (mm)
RE-C100 RE-F100	- For RP-HX and RP-TX. - Discharge volume can be varied with the variable volume - Frequency counter for indicating speed.	One pump. (Two pumps are OK for RP-Txin parallel connection)	 RE-C100 RE-F100 L: 51 L: 38 W: 105 W: 105 D: 60 D: 60
RE-C200 RE-C201 (for extension)	- For RP-HX, RP-TX, Q II B/C, Q III B/C - Various pump operations of sequence programming is possible on a PC connected to the RE-C200 (The pump cannot be driven unless connected to a PC.)	One pump. (By adding 2 pumps of C201, maximum 9 pumps possible.)	 RE-C200 RE-C201 L: 100 L: 100 W: 100 W: 160 D: 35 D: 45
RE-C500 RE-C501 (for extension)	- For RP-HX, RP-TX, Q II B/C, Q III B/C - Various pump operations of sequence programming is possible on a PC connected to the RE-C500. - Stores program data and can be driven without a PC. - When multiple pumps are connected, different pump models can be mixed.	6 pumps. (By adding 1 pump of C501, maximum 12 pumps possible)	 RE-C500 RE-C501 L: 150 L: 150 W: 180 W: 180 D: 42 D: 42
RE-C600 RE-C602	- Various pump operations of sequence programming is possible on a PC connected to the RE-C600. - Stores program data and can be driven without a PC. - Exclusively for RP-Q II F/Q III F. - Other features are same as RE-C600 above.	One pump.	 RE-C600 RE-C602 L: 100 W: 100 D: 34
RE-C700	- Exclusively for RP-H (stepper motor type). - Stores program data and can be driven without a PC.	One pump.	 L: 100 W: 100 D: 34

Motor controller fixed discharge volume pump system.

[Motor controller for RP-HC, RP-H II C, RP-MC and RP-K II C]

Type	Outline of specifications	Number of pumps to be connected	Appearance/Dimension (mm)
RE-C300 For Fixed volume system	- Various pump operations of sequence programming is possible on a PC connected to the RE-C300. - Capable of fixed discharge volume set according to the connected model.	One pump.	 L: 150 W: 180 D: 42

Ring Pump Lineup

Standard type [5 mL – 2500 mL/min]

Type	Flow rate (mL / min)	Tubing	Motor/Power	Appearance/Dimension (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 AC Power type	5 15 20 35 (at 60Hz)	●Silicone ●PharMed BPT* ●SWFT	AC synchronous motor AC100V	 L: 74.5 W: 74 D: 48
RP-K II Series Tough & Economical	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** ●PharMed 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	 L: 178 W: 81 D: 168.5
RP-W II Series Tough & Less Pulsation	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 (mL / min)	Tubing	Motor/Power	Appearance/Dimension (mm)
RP-G II Series Small Box type	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 Box type & Less Pulsation	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 III Series Box type small flow rate	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]

Type	Flow rate (mL / min)	Tubing	Motor/Power	Appearance/Dimension (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-Q II Series RP-Q III Series () Q III
RP-C III Series Pump head replaceable type	1.6 2.8	●Silicone ●PharMed BPT* ●Versilon F-5500-A***	DC geared motor DC3V-5V	 L: 44.5 W: 26 D: 33.4

Micro type [nano L to μ L /min]

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

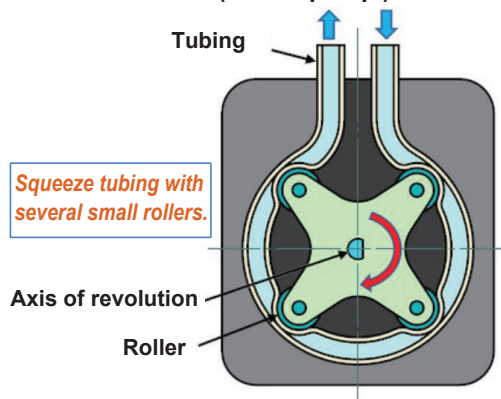
* Formerly described as PharMed.

** Formerly described as Norprene.

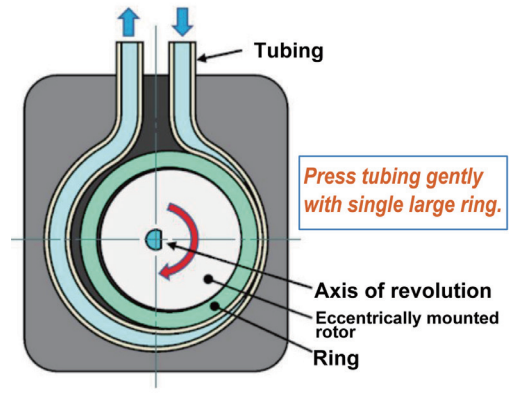
*** Formerly described as Fluran.

Structure of Ringpump

Conventional tubing pump (Roller pump)



Ring Pump

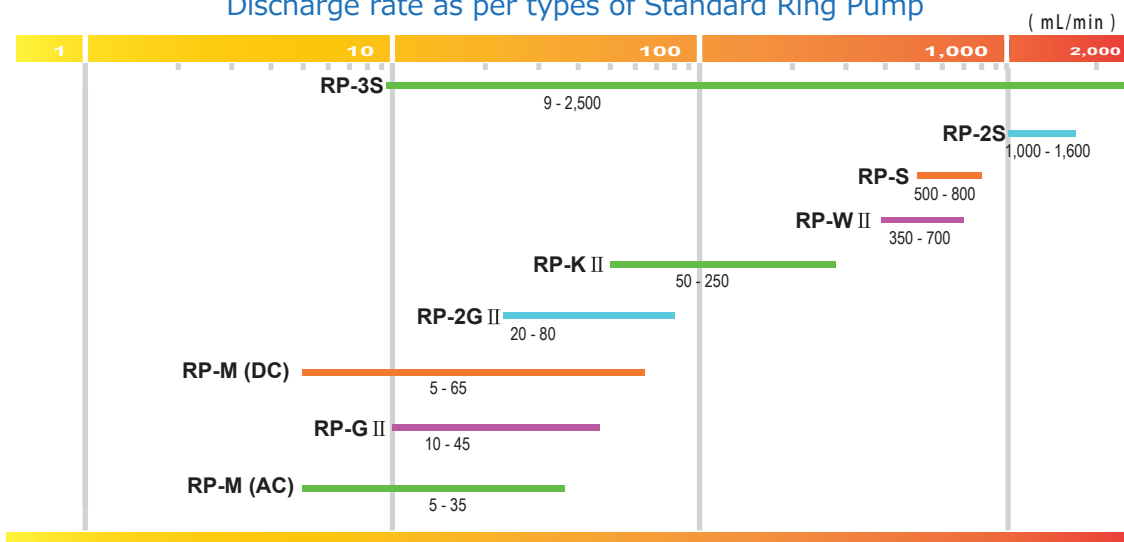


Advantages of Ringpump

1. Fewer roller pushes on the tubing, resulting in longer life of tubing.
2. A single large ring is used to press the tubing, which reduce the load on the tubing.
3. It allows ultra-compact design by using a single large ring instead of multiple small rollers.

Discharge rate as per types of Ringpump

Discharge rate as per types of Standard Ring Pump



Discharge rate as per types of Micro-Pump

