

Ring Pump®

RP-H II (stepper motor) Series



When the Pump-Head is attached



When the Pump-Head is detached

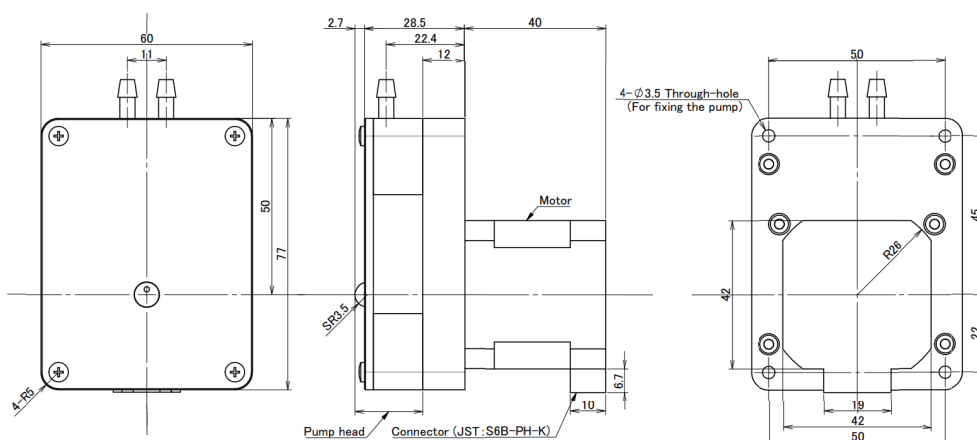
Features

- It is a stepper motor-driven pump with an interchangeable pump head.
- With stepper motor drive, flow rate can be adjusted in a wide range from 0.2 to 200 mL/min.
- The pump head can be easily replaced using one-touch magnetic coupling mechanism.
- A dedicated driver board for stepper motor control is available as stated below.
- Pump heads except RK-H II 04R are sterilizable.
 - Autoclave : 121°C for 25 minutes, up to 10 cycles. (RK-H II 04 W cannot be sterilized by autoclave.)
 - Gamma rays (25 kGy)
 (Sterilization compatibility of "Versilon F-5500-A" tubing is unverified.)

Main specifications

Flow rate (mL/min)	0.2 (at 0.3rpm) to 200 (at 250rpm)
Tubing	Tygon A-60-F / Versilon F-5500-A / SWFT/PharMed BPT/Transmaster TM-15
Motor / Power source	Stepper motor DC 24V
Weight (for reference)	Approx. 440 g

Outline View



Model Lineup

Pump Models	Flow rate (mL)	Tubing		Replacement pumphhead	Accessory wire
		Type	ID x OD (mm)		
RP-H II 04N-200Z-DC24VS	0.2 (at 0.3rpm) to 200 (at 250rpm)	Tygon A-60-F	3.9 x 5.8	RK-H II 04N	Without JST Connector for Driver Board Compatibility
RP-H II 04C-200Z-DC24VS		SWFT		RK-H II 04C	
RP-H II 04R-200Z-DC24VS		Versilon F-5500-A	RK-H II 04R		
RP-H II 04F-200Z-DC24VS		PharMed BPT	RK-H II 04F		
RP-H II 04W-200Z-DC24VS		Transmaster TM-15	RK-H II 04W		
RP-H II 04N-200A-DC24VS	0.2 (at 0.3rpm) to 200 (at 250rpm)	Tygon A-60-F	3.9 x 5.8	RK-H II 04N	With JST Connector for Driver Board Compatibility
RP-H II 04C-200A-DC24VS		SWFT		RK-H II 04C	
RP-H II 04R-200A-DC24VS		Versilon F-5500-A	RK-H II 04R		
RP-H II 04F-200A-DC24VS		PharMed BPT	RK-H II 04F		
RP-H II 04W-200A-DC24VS		Transmaster TM-15	RK-H II 04W		

* Names of some of Saint-Gobain's tubings are changed a few years ago.
Tygon A-60-F ← Norprene A-60-F (Former name) Versilon F-5500-A ← Fluran F-5500-A (Former name)

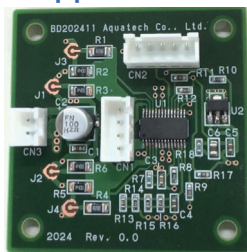
Stepper Motor Driver Board

This series of Ring Pump is driven by a stepper motor and to operate the stepper motor, a dedicated driver board is required.

We have following driver board as a separately sold option. Please contact us when you need it.

★ **To use the driver board, you will need a pump equipped with wiring that includes a JST connector compatible with the driver board (e.g., RP-H II 04*-200A-DC24VS).**

Stepper Motor Driver Board BD202411-M



BD202412-S is driver board used to connect the motor and power supply, and to control the motor via external control signals.

Please prepare your own control device to send the control signals.

A DC 24V, 2A power supply is required.

Please use a DC power source, such as a DC power supply unit or AC adapter.