



BT501J

BT501J, 0.005-10mL/min

Acceptable pump heads are JY10 & D61x. The pump provides flow rates from 0.005 to 10mL/min. It can realize speed adjusting and direction changing and has functions of prime and external start/stop. It features compact size & easy to operate.

Functions and Features:

- Applicable pump heads: JY10 and DGtx (10 rollers).
- Prime key for fast filling and emptying.
- Speed, start/ stop and direction can be controlled through membrane keypad or through external Control interface.
- Memory function, storing the running parameters automatically.
- Compact size, light weight and low power consumption.
- Membrane keypad, easy to operate.
- Good performance and low price.
- At normal lab conditions.



BT1002J

BT1002J, 0.0002-380mL/min

Acceptable pump heads for BT100-2J are YZ1515x, YZ2515x, YZII15, YZII25 DG-1 and DG-2. The pump provides flow rates from 0.0002 to 380 mL/min. The speed can be adjusted manually or automatically through external control. Store the running parameters automatically. Easy to operate.

Functions and Features:

- Applicable pump heads: YZ1515x, YZ2515x, YZII15, YZII25, DG-1, DG-2.
- Prime key for fast filling and emptying.
- Adjust speed manually or automatically through analog interface.
- Memory function, storing the running parameters automatically.
- Membrane keypad, easy to operate.
- Good performance and low price.
- At normal lab conditions.



BT3002J

BT3002J, 0.07-1140mL/min

Acceptable pump heads for BT3002J are VZ1515x, YZ2515x, YZII15, YZII25, BZ25. The pump delivers flow rates from 0.07 to 1140 mL/min. The speed can be adjusted manually or automatically through external control interface. Store the running parameter automatically. Easy to operate.

Functions and Features:

- Applicable pump heads: YZ1515x, YZ2515x, YZII15, YZII25, BZ25.
- Prime button for fast filling and emptying.
- Adjust speed manually or automatically through analog interface.
- Memory function, storing the running parameters automatically Equipped with Longer Dispensing Controller for filling function.
- At normal lab conditions.

Model	BT501J	BT1002J	BT3002J
Speed	0.1 to 50.0 rpm, reversible	0.1 to 100 rpm, reversible	1 to 300 rpm, reversible
Speed precision	0.1 rpm		1 rpm
Speed control	Membrane keypad		10-turn potentiometer
Display	3-Digit LED displays current rpm		3-digit LED displays current speed
Communication interface	-	RS-485	-
External control	Start/stop & cw/ccw control	Start/stop, cw/ccw control, and speed control (0 to 5 V, 0 to 10 V, 4 to 20 mA and 0 - 10 KHz optional)	
Power supply	AC 220V ±10% 50/60 Hz (standard), AC 110V ±10% 50/60 Hz (optional)	AC 90-260V 50/60Hz	AC 220 V ± 10% 50/60 Hz (standard), AC 110 V ± 10% 50/60 Hz (optional)
Power consumption	< 10 W	< 30 W	< 35 W
Operating condition	Temperature 0 to 40°C,		Relative humidity < 80%
Dimension (mm)	L176xW110xH115	L232xW142xH149	L227xW155xH171
IP rating	IP 31		
Drive weight	2.2kg	2.3kg	3.6kg



LEAD2, Flow Rate 0.01-350mL/min

The applicable pump heads for Lead2 are Lead1 5-48, Lead1 5-88, Lead1 5-24, Lead15-44 & max. 8 channels are available. The pump delivers flow rates from 0.01 to 350 mL/min. It has flow rates display & flow rates calibration functions. It also has functions of speed adjustment, start/stop, cw/ccw, prime (rinsing), tubing selection, 485 communication, analog control, etc.

Functions and Features:

Accept 4 special pump heads • Planetary gearbox is adopted in its pump heads. This changes the traditional driving methods of tubing pumps, decreases abrasion, prolongs tubing life and improves accuracy • **Display can switch between flow rates and speed** • **Calibration function for more accurate flow rates** • Computer control available through RS485 communication • Prime key for fast filling and emptying.

Model	LEAD2
Speed	1 to 100 rpm, reversible
Speed precision	0.1 rpm
Speed control	Rotary coded switch coupled with membrane keypad
Display	128x32 graphic LCD displays current running status
Analog interface	Start/stop and cw/ccw control, 0 to 5V, 0 to 10V, and 4 to 20mA speed Control
Communication	RS-485
Power supply	AC 220 V \pm 10% 50/60 Hz (standard), AC 110 V \pm 10% 50/60 Hz (optional)
Power consumption	< 50 W
Operating condition	Temperature 0 to 40°C, Relative humidity < 80%
Dimension (mm)	L190xW162xH275
Drive weight	3.5kg
IP rating	IP 31



BT1001L, Flow Rate 0.05-500mL/min

The max. output torque of BT1001L drive is 2 Nm. Multi pump heads are available. The pump provides flow rates from 0.05 to 500 mL/min. 128x64 graphic LCD displays running menus and parameter setting menus. The flow rate & the speed (rpm) can be displayed in the same screen. The display interface is friendly. It has flow rate calibration function to make the flow rate more accurate. It has many control modes. The external control can be realized through standard external interface or RS485 communication interface.

Functions and Features:

Display can switch between flow rates & rpm • **Calibration capability for more accurate flow rate** • Graphic LCD together with rotary coded switch makes it friendly and easy to use • Higher torque to accept more pump heads and more channels • RS485 communication interface available. Offering communication protocol to customer and customizing software according to customer's requirements.

Model	BT1001L
Speed	1 to 100 rpm, reversible
Speed precision	0.1 rpm
Speed control	Rotary coded switch coupled with membrane keypad
Display	128x64 graphic LCD displays current running status
Analog interface	Start/stop and cw/ccw control, 0 to 5V, 0 to 10V, and 4 to 20mA speed Control
Communication	RS-485
Power supply	AC 220 V \pm 10% 50/60 Hz (standard), AC 110 V \pm 10% 50/60 Hz (optional)
Power consumption	< 50 W
Operating condition	Temperature 0 to 40°C, Relative humidity < 80%
Dimension (mm)	L202xW160xH239
Drive weight	5.34 kg
IP rating	IP 31



BT1001F

BT1001F, Dispensing, 0.16-500mL/min

Applicable pump heads for BT100-1F are YZ1515x, YZ2515x, YZII15, YZII25 and D6-1, DG-2, DG-4. The pump delivers flow rates from 0.02 pL to 480 mL/min and dispensing volume is from 0.01 ml to 9900 mL. Combining 128*32 LCD display with membrane keypad and rotary coded switch makes the operation easy and prompt. The speed can be adjusted manually or automatically through external control interface.

Functions and Features: Acceptable pump heads: YZ1515x, YZ2515x, YZII15, YZII25 and OG-I, OG-2, DG-4 • Micro flow rates transferring: The smallest flow rate can reach 0.16 μ l/min • Back suction function: In

dispensing mode, the pump runs reversely after stopping to prevent the liquid from dripping • Operating mode: Membrane keypad & rotary coded switch • Speed control: The speed can be adjusted manually or automatically through external control interface • Display: LCD displays current running status • MAX key: For fast filling and emptying • Memory function: Storing the running parameters automatically • Calibration function: The flow rates and the dispensing volume can be calibrated to increase the accuracy • Communication function: Realize computer control through RS485 communication interface

Model	BT1001F
Flow rate	0.16 J IL/ min to 500 mL /min
Dispensing volume	0.01 mL to 9.99L
Speed	0.01rpm to 100.0rpm
Copy number	0 to 9999
Pause time	0.1 s to 99.90 min
Back suction time	0 to 99.9s
External control input interface	start/stop control, direction control, flow rates control (0-5V,0-10V,4-20mA,0-10KHz optional)
Output interface	start/stop, direction output and 0-10KHz frequency output (corresponding to 0 to 100.0 rpm) with insulating function
Communication	RS-485
Power	AC 100 - 240 V \pm 10% 50/60 Hz
Power consumption	< 40 W
Operating condition	Temperature 0 to 40°C
Relative humidity	< 80%
Dimensions (mm)	L292xW185xH180
Drive weight	3.8 kg
IP rating	IP31



BT3001F

BT3001F, Dispensing, 0.07-1140mL/min

The applicable pump treats for BT3001F are YZ1515x YZ2515x YZII15 YZII25 The pump delivers Flow rates from 0.07 to 1140 ml/mm 128 x 64 graphic LCD displays running menus and parameter Setting menus The display interfaces are friendly. It has many control modes. The external control can be realized through standard external control interface or 485 communication interface.

Functions and Features: Applicable pump heads YZ1515x YZ2515x, YZII15, YZII25 • Set pause time to realize dispensing and filling automatically • Display can switch between flow rates & rpm • Calibrate setting flow rates to acquire more accurate flow rates • RS485 communication interface available. Offering communication protocol to customer and customizing software according to customer's requirements.

Model	BT3001F
Speed	1 to 100 rpm, reversible
Speed precision	1 rpm
Speed control	Rotary coded switch coupled with membrane keypad
Display	128x64 graphic LCD displays flow rate speed or dispensing
Copy number	1 to 999
Dispense volume	0.1ml tp 99.9L
Pause time	1 to 999s
Back suction angel	0 to 360 18° increments
Analog interface	Start/stop and cw/ccw control, 0 to 5 V, 0 to 10 V, and 4 to 20 mA speed contro
Communication interface	RS-485
Power supply	AC 220 V \pm 10% 50/60 Hz (standard), AC 110 V \pm 10% 50/60 Hz (optional)
Power consumption	< 50 W
Operating condition	Temperature 0 to 40°C, Relative humidity < 80%
Dimension (mm)	L202xW160xH239
Drive weight	4.3 kg
IP rating	IP 31



BT6002J

BT6002J, 0.07-3000mL/min

Suitable pump heads for BT6002J are YZ1515X, YZ2515X, YZ1115, YZ1125 and BZ25. It can deliver flow rates from 0.07 to 3000 mL/min and its speed can be adjusted manually or automatically through external control interface. BT6002J can realize dispensing function when it connects to a FK-1C dispensing controller. It is easy to operate.

WT6002J, 4.2-6000mL/min

WT6002J peristaltic pump adopts brushless DC motor. It has features of high output torque, low vibration, high efficiency. It can drive double pump heads. It accepts many pump heads and delivers flow rate from 4.2 to 6000 mL/min. The speed can be adjusted manually or automatically through external control.

Features:

High IP rating suitable for wet and dust environment • Big torque, high efficiency, maintenance-free • LED display speed and working status • Using membrane to control pump operation • Prime key: Fast filling and emptying • Start/stop, CW/CCW and speed can be controlled by external control • Memory function: Storing the running parameters automatically • Program download functions: Reserve ISP port on PCB, program can be download and updated • Cooling functions: Natural heat dissipation, ensure the temperature of drive not exceed the scope • Output port: Output the work status of pulse, start/stop and direction.

Model	BT6002J	WT6002J
Speed	1-600 rpm, reversible	60-600rpm
Speed accuracy	±1.0%	
Speed resolution	1 rpm	
External control	Star t/stop, cw/ccw control, and speed control (0 to 5 V, 0 to 10 V, 4 to 20 mA and 0 - 10 KHz optional)	
Communication interface	RS-485	
Power supply	AC 90 - 260 V 50/60 Hz	AC 176-264V, 50/60Hz
Power consumption	< 100 W	≤ 200W
Operating condition	Temperature 0 to 40°C, Relative humidity < 80%	
Dimension (mm)	L280×W200×H180	L292×W185×H180
Drive weight	3.8 kg	5.2kg
IP rating	IP 31	



ZG-60600

ZG-60600, 740-12000mL/min

Applicable pump heads for ZG-60600 are YZ35-13, YZ35 (AI), YZ35 (POM). The pump delivers flow rates from 0.74 to 12 Umin. The speed can be adjusted manually or automatically through external control interface. Driven by DC motor the ZG60-600 has higher torque and can drive double pump heads. ZG-60600 is ideal for industrial application to meet your needs for higher pressure and quick fluid transfer. Steady flow rate, lower noise and easy to operate.

Functions and Features:

Applicable pump heads: YZ35-13, YZ35 (AI), YZ35 (POM) • Stainless steel housing of the drive is available • Suitable for industrial applications • Longer Footswitch or other external control device optional • Equipped with Longer Dispensing Controller for filling function.

Model	ZG-60600
Speed	60-600 rpm, reversible
Speed control	10-turn potentiometer
Analog interface	N/A
Power supply	AC 220 V ±10% 50/60 Hz
Power consumption	< 400 W
Operating condition	Temperature 0 to 40°C, Relative humidity <80%
Dimension (mm)	L325xW236xH193
Drive weight	17 kg
IP rating	IP 31



WT6001F, Dispensing 0.7-6000mL/min

Applicable pump heads for WT600-1F are YZ1515x, YZ2515x, YZ1115, YZ1125, KZ25, BZ25, DMD25 and DG15-24. The pump delivers flow rates from 0.7 mL to 6000 mL/min and dispensing volume is from 0.1 mL to 99.9 L. Combining 128x32 LCD display with membrane keypad and rotary encoded switch makes the operation easy and prompt. The speed can be adjusted manually or automatically through external control interface.

Functions and Features:

Acceptable pump heads: YZ1515x, YZ2515x, YZ1115, YZ1125, DG15-24, KZ25, BZ25, DMD25 • Back suction function: In dispensing mode, the pump runs reversely after finishing one filling operation to prevent the liquid from dripping • Operating mode: Membrane keypad and rotary encoded switch.

- Speed control: The speed can be adjusted manually or automatically through external control
- Display: LCD displays current running status and parameters
- Prime key: For fast filling and emptying
- Memory function: Storing the running parameters automatically
- Calibration function: The flow rates and the dispensing volume can be calibrated to increase the accuracy

Model	WT6001F
Dispensing volume	0.1 mL to 99.9 L
Speed	10 to 600 rpm, reversible
Copy number	0 to 9999
Pause time	0.1 s to 99.9 min
Back suction	0 to 9.9 revolution
External control	Control start/stop, direction, flow rate control (0-5V, 0-10V, 4-20mA, 0-10Khz optional)
Output interface	start/stop, direction output, and 0 - 10 KHz frequency output
Communication	RS-485
Power	AC 176 - 264 V 50/60 Hz
Power consumption	< 140 W
Operating condition	Temperature 0 to 40°C, Relative humidity <98%
Dimensions (mm)	L292 × W185 × H180
Drive weight	5.2kg
IP rating	IP 31



JL350-2J, ≤ 35L/min, Industrial

JL350-2J peristaltic pump is ideal for high flow rates fluids transfer, driven by the AC motor and the frequency converter control the speed. The pump delivers flow rates from 1.6 to 35L/min. Through the transparent front cover, the running status of the pump head is visible. The speed, running direction and run/stop of the pump we controlled manually by membrane keypad or automatically by external control interface. Its operation is simple and reliable.

Functions and Features:

High-power pumps, and the maximum flow rates can reach 35L/min • The structure of concave working surface and convex roller realizes the tubing self-position function. It reduces abrasion and prolongs tubing life • Variable frequency speed control to AC motor with creeper gear • Adjustable occlusion • Strong drive • Pump head operation is visible through transparent front cover.

Model	JL350-2J
Speed	30-350 rpm, reversible
Speed precision	0.6 rpm
Power supply	AC 220 V ±10% 50/60 Hz
Power consumption	< 400 W
Operating condition	Temperature 0 to 40°C, Relative humidity <80%
Dimension (mm)	L417xW401xH321
Drive weight	32 kg
IP rating	IP 31



WT6003J

WT6003J, Industrial 4.2-6000mL/min

WT6003J peristaltic pump is high IP rating and high efficiency. It adopts brushless DC motor and speed closed loop control. It has features of high output torque, low vibration and free maintenance. It accepts multiple two channels pump heads and delivers flow rates from 4.2 to 6000 mL/min (single channel).

**Water Proof
IP-65**

Functions and Features:

- High IP rating: Suitable for moist and dust working condition
- MAX key: For fast filling and emptying
- Memory function: Storing the running parameters automatically
- Communication function: Realize the computer control through RS485 interface
- Display: 3 digits LED displays the speed of the pump
- External control input: Control the speed, start/stop and direction of the pump
- Suitable for different pump heads and tubing
- High output torque which can drive double pump heads
- Brushless DC motor, high output torque, free maintenance
- Operation mode: Switch and membrane keypad. Easy to operate.

Model	WT6003J
Speed	60 to 600 rpm, reversible
Speed resolution	1 rpm
IP rating	IP 55
Drive output torque	≥1.50 N-M
Speed Control Accuracy	±1.0%
Communication	RS-485
Power	AC 176-264V 50/60Hz
Power consumption	< 190 W
Operating condition	Temperature -10 to 40°C, Relative humidity <80%
Dimensions (mm)	L273xW190xH272
Weight	7.3kg
Heat emitting mode	Natural cooling. the inner temperature of the drive is less than 40°C
Speed control mode	Membrane keypad
Display mode	3digits LED displays the speed of the pump, 4pcs LED indicators display the working state
External control	0.5 - 5 V, 1 - 10 V, 4 - 20 mA or 1 - 10kHz are corresponding to 60 - 600 rpm



YT600-1J

YT600-1J, 600-11000mL/min

The pump delivers flow rates from 600 to 11000 mL/min. The speed can be adjusted manually or automatically through external control interface. Driven by DC motor YT600-1J has higher torque and can drive double pump heads. Suitable for industrial applications which need high pressure and big flow rates.

Functions and Features:

- Acceptable pump heads: YZ35-13, K 35
- Suitable for industrial applications
- Can be equipped with Longer Dispensing Controller for filling function when connecting single channel pump head.

IP-54

YZ35-Series, Industrial Easy-Load Pump Heads



YZ35-13

- Change tubing easily and rapidly.
- Automatic tubing retention.
- Suitable for several tubing sizes.



YZ35(AI)

- Change tubing easily and rapidly.
- Automatic tubing retention.
- Suitable for several tubing sizes.
- The housing material is alloy aluminum, surface anodizing.



YZ35(POM)

- Change tubing easily and rapidly.
- Automatic tubing retention.
- Suitable for several tubing sizes.
- The housing material is POM.

Type	Tubing	Max. flow rates (mL/min)	Speed (rpm)	Housing material
YZ35-13	73# 82#	11000	≤600	PSU AL POM
YZ35				

DMD25, Low Pulse Pump Head



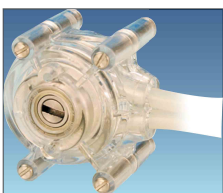
DMD25

- Suitable for accurate dispensing.
- Track assembly and base are independent. Easy to load tubing.

- Accept many sizes of tubing to realize wide range flow rates transferring.

Type	Tubing	Max. flow rates (mL/min)	Speed (rpm)	Housing material
DMD25	119"	150	≤350	POM
	120"	800		
	15"	1500		
	24"	2400		
	35"	2950		
	36"	4000		

BZ-25, Standard Pump Head



BZ25

- Stable operation and stackable.
- Compact size.
- Standard pump head, fixed occlusion.

Type	Tubing	Max. flow rates (mL/min)	Speed (rpm)	Housing material
BZ25	24#	1600	≤600	PC

DG15-Series, Medium And Small Flow Rates Multi-Channel Pump Head



DG15

- Cartridges and base can be separated.
- Suitable for several tubing sizes for a wide flow range.
- The material of the roller is RULON®.

Type	Tubing	Max. flow rates (mL/min)	Speed (rpm)	Housing material
DG15-24	16# 17# 25#	1800	≤600	POM
DG15-28	Inner diameter ≤3.17mm, Wall thickness 0.8-1 (mm) 13# 14#	75	≤100	
DG15-48				

KZ25, Quick-load Pump Head



KZ25

- Cartridges and base can be separated.
- Pump heads can be stackable.
- Compact size and a wide flow range.

Type	Tubing	Max. flow rates (mL/min)	Speed (rpm)	Housing material
KZ25	15#	1800	≤600	PC
	24#	3500		
	35#	5000		
	36#	6000		

DG-Series, Heads Information



Features:

Multi-channel transfer • Change tubing easily • Fix tubing easily • Occlusion can be adjusted slightly by ratchet wheel to meet different tubing wall thickness requirements • 6-roller and 10-roller pump heads available • More rollers reduce pulsation and flow rates slightly • Skillful trigger design, convenient to open the cartridges (DG-1, DG-2).

Type	Tubing	Max. flow rate (mL/min)		Speed (rpm)	Cartridge material	Part number		Weight (kg)	
		6 Rollers	10 Rollers			6 Rollers	10 Rollers	6 Rollers	10 Rollers
DG-1	Inner diameter ≤ 3.17 mm wall thickness 0.8-1 (mm)	48 (per channel)	32 (per channel)	≤ 100	POM	51011001	51011002	0.21	0.20
DG-2						51012001	51012002	0.27	0.26
DG-4						51013001	51013002	0.40	0.39
DG-6						51014001	51014002	0.54	0.51
DG-8						51015001	51015002	0.67	0.63
DG-12						51016001	51016002	0.95	0.88

Easy-load Pump Heads



YZ II 15 (YZ II 25)

- Change tubing easily & rapidly.
- Compact size.
- Accept several tubing sizes for a wide flow range.



YZ1515x (YZ2525x)

- Change tubing easily and rapidly.
- Accept several tubing sizes for a wide flow range.

Type	Tubing	Max. flow rates (mL/min)	Speed (rpm)	Housing material
YZ II 15	13" 14" 16" 17" 18" 19" 25"	2200	≤ 600	PESU
YZ II 25	15" 24" 35" 36"	3000		

Type	Tubing	Max. flow rates (mL/min)	Speed (rpm)	Housing material
YZ1515x	13# 14# 16# 17# 18# 19# 25#	2200	≤ 600	PESU
YZ2525x	15# 24#	1600		