

Brushless DC Pump



TOPSFLO
Excellence in Micro pump, DC pump

Features

- Advanced magnetic driving technology for static-seal, without any leakage forever
- Motor widely voltage designed suitable for battery power supplying with peak-low voltage fluctuation
- Durable permanent magnetic rotor with one-off injection incorporated impeller in smooth balance
- Heavy duty work, can sustain continuous 24 hours work
- Special designed high efficiency closed-type impeller
- Sustain 105 °C hot water circulation
- All wetted materials FDA approved to be safety usage
- Low or no maintenance
- Blocked protection
- Polarity protection

TL-B10 SERIES



Pump A

Barb nozzles
Inlet: $\phi 17\text{mm}$
Outlet: $\phi 9.8\text{mm}$



Pump B

Thread nozzles
G1/2

Specification

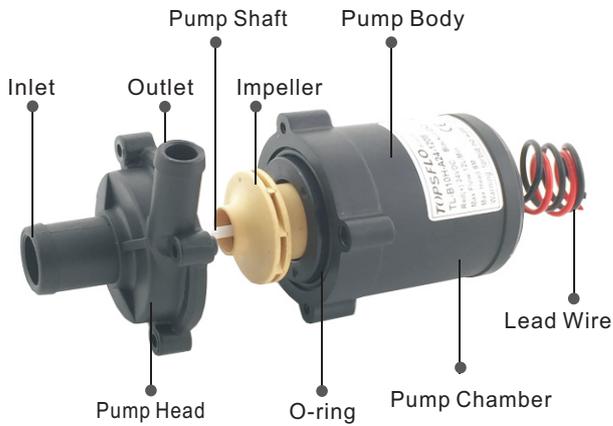
Model	Product Code	Max Flow Rate (L/M)	Rated Voltage (DC)	Current (A)	Max Water Head (M)	Power (W)
TL-B10-A	TL-B10-A12-0703	7L	12VDC	0.6	3	7
	TL-B10-A12-0905	9L	12VDC	1.4	5	16.8
	TL-B10-A24-0703	7L	24VDC	0.4	3	10
	TL-B10-A24-0905	9L	24VDC	0.6	5	15
	TL-B10-A24-1208	12L	24VDC	1.3	8	31.2
TL-B10-B	TL-B10-B12-0703	7L	12VDC	0.6	3	7
	TL-B10-B12-0905	9L	12VDC	1.4	5	16.8
	TL-B10-B24-0703	7L	24VDC	0.4	3	10
	TL-B10-B24-0905	9L	24VDC	0.6	5	15
	TL-B10-B24-1208	12L	24VDC	1.3	8	31.2

Note: 1. pump itself meet: /F, food grade 2. normal type liquid $\leq 70^\circ\text{C}$, /H high temperature type liquid $\leq 105^\circ\text{C}$ can be customized for items of 0703/H, 0905/H. 3. /S submersible type can be customized, if submersible liquid should be $\leq 50^\circ\text{C}$ 4. /PV type by solar panel driven directly can be customized as: 12V (suit for solar panel 7V~24V), 24V (suit for solar panel 14V~32V). 5. FG(RPM) signal wire can be customized 6. PWM frequency speed control or 0~5V speed control can be customized.

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Structure

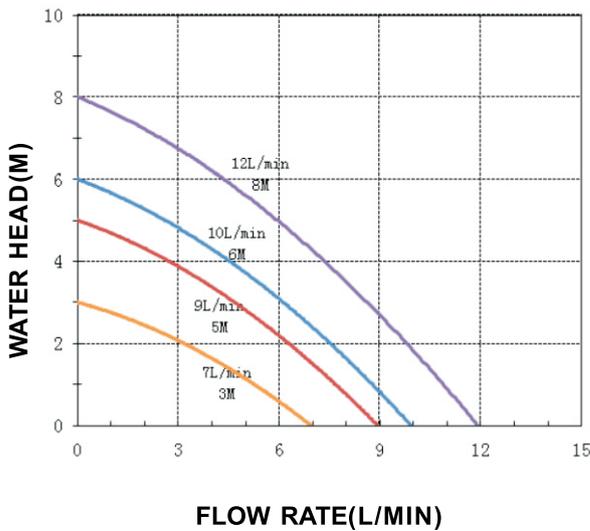


Materials

Wetted Parts	Materials
Pump head	PPE+30% GF
Pump chamber	PPE+30% GF
O-ring	NBR
Impeller	PPE+30% GF
Bearing sleeve	Graphite
Rotor magnetic	Ferrite
Shaft	Ceramic
Gasket	Ceramic

Curve

TL-B10 (PUMP A AND PUMP B) PERFORMANCE



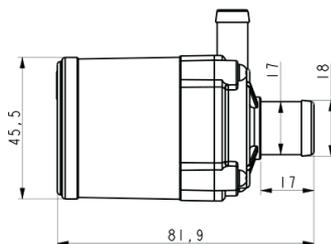
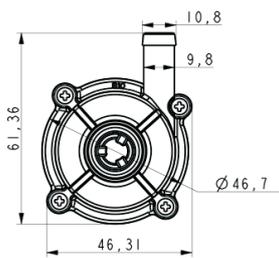
Typical Applications

TL-B10 Food Grade Pump

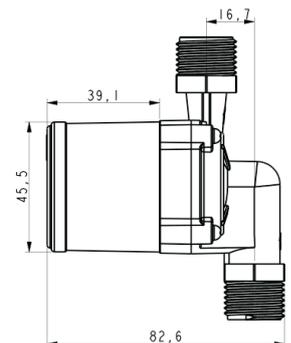
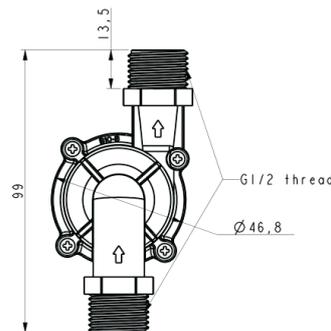


- Water Dispenser, Water Cooler
- Carbonation, Coffee Maker, Beverage Dispenser
- Air-conditioner Drain
- Chillers, Cooling Circulation
- Home Appliance, Solar Applications

Dimension



Pump A



Pump B

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