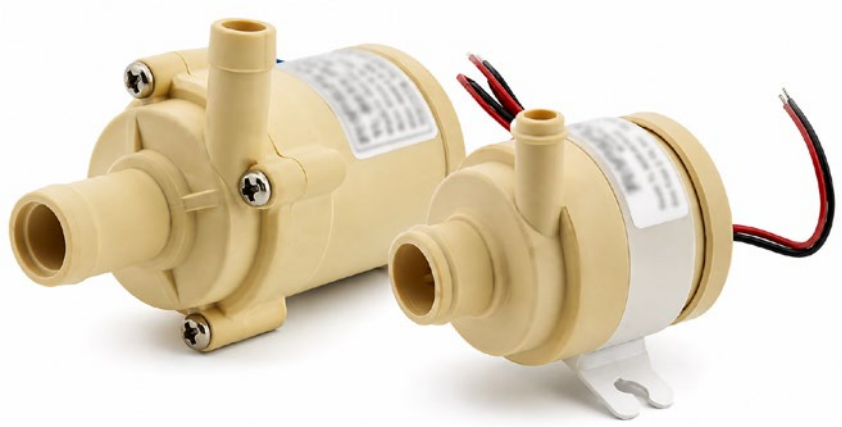
US | Solar Pumps®
HOME FOR ALL YOUR MICRO-DC PUMP NEEDS!

A3, B3

Food Grade Brushless DC Pump

- FDA approved materials
- Sustain 100°C hot water
- 24 hours continuous duty
- Quiet noise 30dB



Typical Application

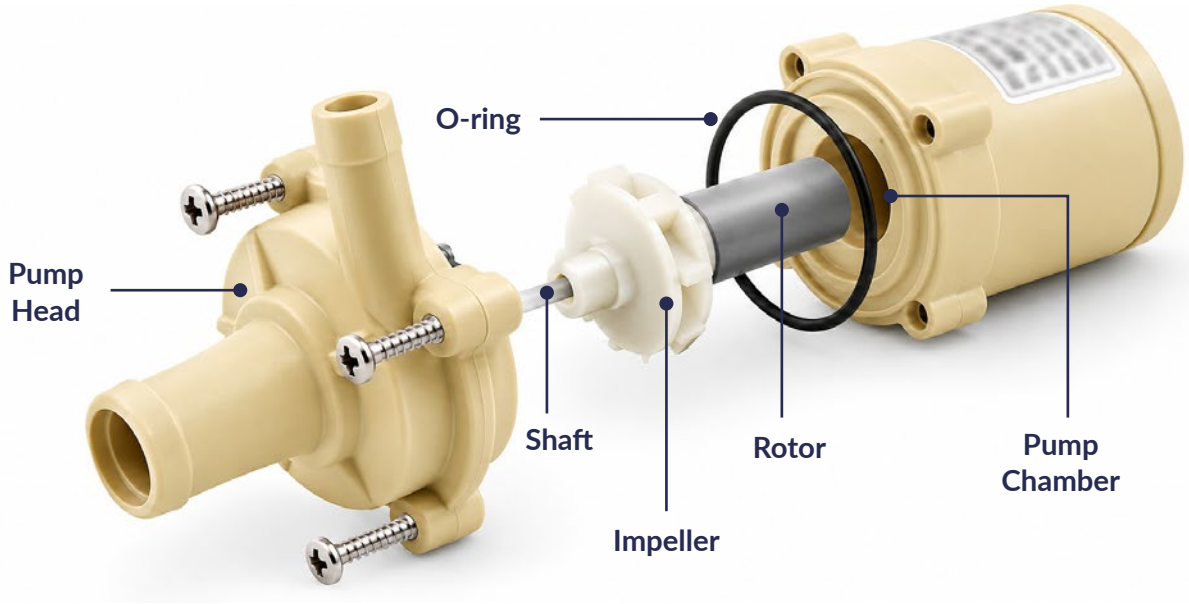
- Water dispenser/water coolers
- Coffee maker/coffee machine
- Beverage dispenser/juice machine
- Water purifier/water dispenser
- Tea maker
- Milk dispenser



Features

- Advanced magnetic driving technology for static-seal, without any leakage forever
- High efficiency ECM brushless DC motor with long lifetime 20,000hours
- Heavy duty work, can sustain continuous 24hours work
- Special designed high efficiency closed-impeller for low power consumption
- The motor can handle changes in battery voltage without causing problems
- All materials that come into contact with the fluid are FDA-approved and safe for use
- Durable permanent magnetic rotor/impeller and fine ceramic shaft
- Low or no maintenance
- IP protection level: IP68, directly submersible
- Blocked protection

Food Grade Pump



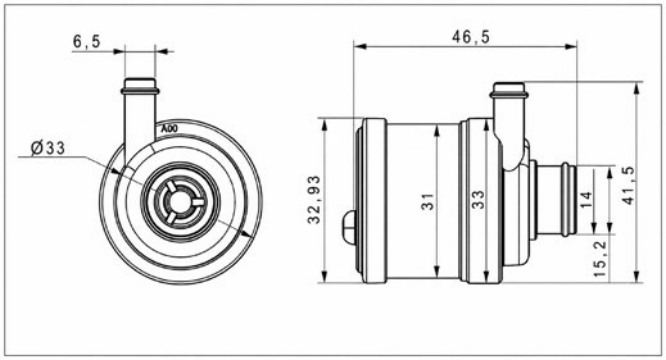
Materials of Construction (Wetted parts)

Weeted Parts	Materials
Pump Head	PPE
Pump Chamber	PPE
O-ring	Silicon Rubber
Rotor Plastic	PA
Shaft	Fine Ceramic
Bearing Sleeve	Graphite
Gasket	Graphite

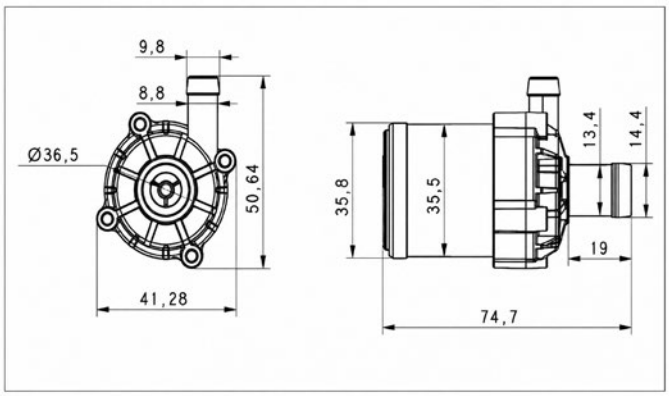
Note: A3 has the same structure and materials as B3.

Dimension (mm)

A3



B3



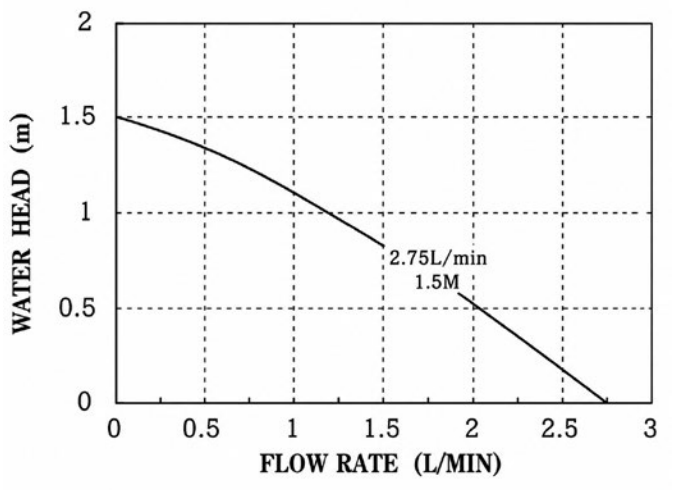
Food Grade Pump

Specifications

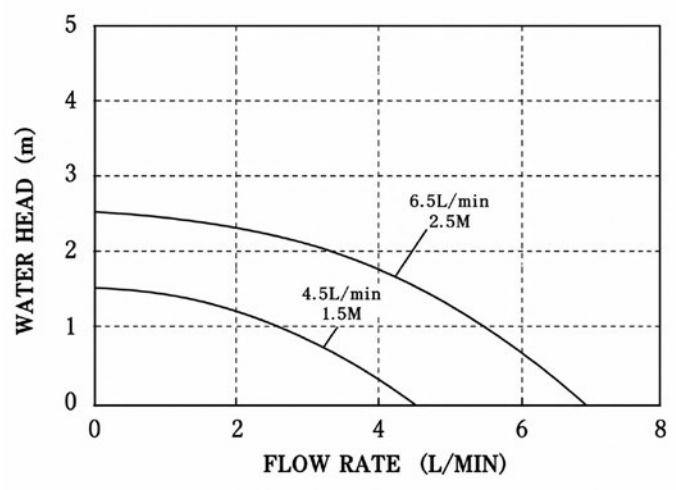
Model	Product Code	Inlet/Outlet (mm)	Max Flow Flow (L/min)	Voltage (VDC)	Current (A)	Max Water Head (M)	Power (W)
A3	A3H-6-0302	14/6.5	2.75	6	0.3	1.5	1.8
	A3H-12-0302	14/6.5	2.75	12	0.4	1.5	5
B3	B3H-12-0401	13.4/8.8	4.5	12	0.25	1.5	3
	B3H-12-0602	13.4/8.8	6.5	12	0.4	2.5	5
	B3H-24-0401	13.4/8.8	4.5	24	0.15	1.5	3.6
	B3H-24-0602	13.4/8.8	6.5	24	0.2	2.5	5

Note: pump itself meet: /H /F/S (High temperature 100°C for surface / food grade / if submersible water temperature RPM can be customized if needed.

A3 Curve (Performance)



B3 Curve (Performance)



Other food grade pump specifications

Model	Product Code	Max Flow Rate (L/min)	Voltage (VDC)	Current (A)	Max Water Head (M)	Power (W)
B4 (100°C)	B4H-12-0905	9	12	1.3	5	16
	B4H-24-0905	9	24	0.85	5	20
B8 (100°C)	B8H-12-0703	7	12	0.9	3.5	11
	B8H-12-1006	10	12	1.6	6	20
	B8H-24-0703	7	24	0.5	2.5	12
	B8H-24-1006	10	24	0.8	6	20
C1 (100°C)	C1H-12-1610	16	12	3	10	25
	C1H-24-1812	16	24	2.2	12	53