

DC 3–6V Mini Micro Submersible Water Pump 120L/H – Product Description

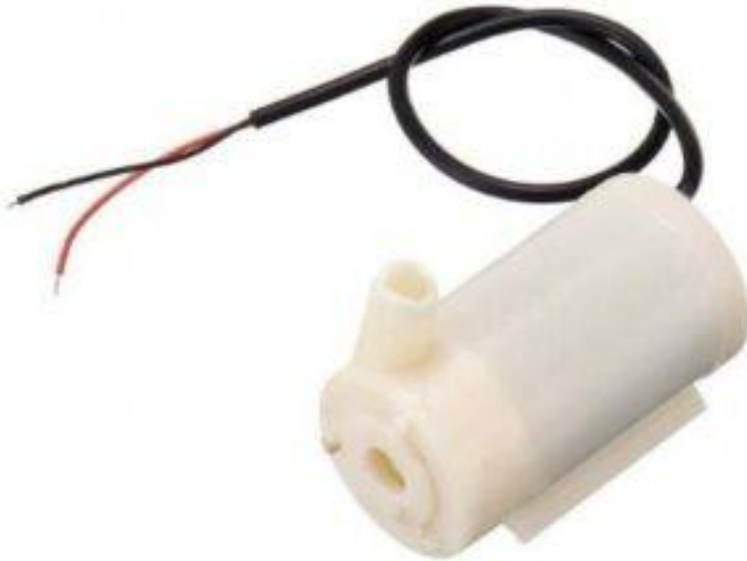
The **DC 3–6V Mini Micro Submersible Water Pump 120L/H** is a compact, efficient, and versatile water pump designed for a wide range of small-scale liquid circulation applications. Operating within a low voltage range of **3–6V DC**, this mini pump is ideal for electronics projects, aquariums, water fountains, hydroponics, and DIY cooling systems. Despite its small size, it delivers a reliable flow rate of **120 liters per hour (L/H)**, providing excellent performance for various low-flow water applications.

With its submersible design, the pump can operate fully underwater, making it suitable for safe and continuous liquid transfer. Its lightweight and compact structure allow easy integration into projects where space is limited while maintaining consistent water flow.

Key Features

- ⚡ **Operating Voltage:** 3–6V DC – compatible with batteries, USB power, and low-voltage DC adapters.
- ● **Flow Rate:** 120 L/H – sufficient for small aquariums, fountains, and liquid circulation tasks.
- ⚓ **Submersible Design:** Can be fully immersed in water for continuous operation.

- ✂ **Compact Size:** Miniature dimensions make it perfect for DIY projects and tight spaces.
- ⚙ **Easy Installation:** Lightweight and simple to mount in a variety of applications.
- ⚙ **Low Noise Operation:** Ideal for home, hobby, or educational setups.
- 🧰 **Versatile Use:** Suitable for hydroponics, aquariums, water circulation, small fountains, and cooling systems.



Why Choose the DC 3–6V Mini Micro Submersible Water Pump?

This mini water pump combines efficiency, reliability, and ease of use, making it an excellent choice for hobbyists, students, and makers. Its compact design allows for integration in small devices, DIY projects, or educational experiments where space and low voltage operation are critical.

The submersible feature ensures that the pump can work underwater without additional protection, simplifying setup and reducing maintenance. Its low voltage operation also makes it safe to use in small electronics projects and for children's educational experiments.



Applications

The **DC 3–6V Mini Micro Submersible Water Pump 120L/H** is suitable for a wide variety of projects and applications, including:

1. **Aquariums and Fish Tanks** – Circulate water efficiently to maintain a healthy environment.
2. **DIY Water Fountains** – Build small decorative fountains for home or office.
3. **Hydroponics and Gardening** – Support water circulation in hydroponic or plant irrigation systems.
4. **Cooling Systems** – Use in small electronics or PC water-cooling setups.
5. **Science and Educational Experiments** – Demonstrate fluid mechanics and circulation concepts.
6. **Portable Water Transfer** – Ideal for moving water in small tanks or containers.

DC 3V 5V Brushless Motor Pump



Technical Specifications

- **Model:** DC 3–6V Mini Micro Submersible Water Pump
- **Operating Voltage:** 3–6V DC
- **Flow Rate:** 120 L/H
- **Submersible:** Fully waterproof and designed for underwater use
- **Pump Type:** Miniature DC pump
- **Material:** Durable plastic housing
- **Outlet Diameter:** Standard for tubing connection
- **Dimensions:** Compact and lightweight
- **Noise Level:** Low, suitable for indoor use



Benefits for Hobbyists and Makers

The mini submersible pump is perfect for makers, hobbyists, and students who require a small, reliable, and low-voltage solution for water circulation. Its compact size and lightweight construction allow for easy integration into DIY projects, smart garden systems, or portable water setups.

For educators and learners, the pump provides a safe and practical way to explore fluid dynamics and mechanical water transfer principles in classrooms or lab experiments.

Safety and Usage Considerations

Always operate the pump within the recommended voltage range of **3–6V DC** to prevent overheating or damage. Ensure the pump is fully submerged during operation to maintain proper cooling and prevent motor failure. Avoid running the pump dry, as this may reduce its lifespan. Use appropriate tubing and connectors for secure water transfer.

Why Add It to Your Toolkit?

The **DC 3–6V Mini Micro Submersible Water Pump 120L/H** is an essential component for anyone working with water circulation projects, small fountains, hydroponics, or educational experiments. Its compact size, submersible design, and reliable performance make it a versatile addition to any maker, hobbyist, or student toolkit.

With this pump, you gain the ability to move water efficiently in a safe, low-voltage, and compact solution, perfect for DIY projects, robotics, or science demonstrations.



Model	Voltage Scope (DC)	Current (A)	Power (W)	Max Water Head (M)	Max Flow Rate (L/H)	Starting Voltage	Waterproofing Grade
JT-DC3V-3	3V	0.12	0.36	0.35	80	t	IP68
JT-DC3V-4.5	4.5V	0.18	0.91	0.55	100	t	IP68

Conclusion

The **DC 3–6V Mini Micro Submersible Water Pump 120L/H** combines compact design, submersible functionality, and reliable water flow for small-scale projects. Ideal for aquariums, fountains, hydroponics, cooling systems, and educational experiments, it offers high performance in a safe and low-voltage package.

Whether you are a hobbyist, student, or maker, this mini water pump ensures efficient, controlled, and reliable water circulation for your creative projects and experiments.