

# Module-Center

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## Brushless DC Pump

[PUM-00024](#)



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### •[Product features]

Name:	<u>Brushless DC Pump</u>
Model:	<u>PUM-00024</u>
Life:	<u>20000 Hours</u>
Color:	<u>Black</u>
Material:	<u>PPE</u>

Waterproof leve: IP68  
RoHS: √  
Noise: ≤40dB  
Sealability: ≥0.4MPa  
Insulation class: CLASS F(155℃)  
Principle: Centrifugal

### **•[Performance parameters]**

Rated voltage: 12(Vdc)  
voltage range: 6V-13.2V  
Current Rating: 2.2A ± 10%  
Rated power: 26.4 W  
Static lift: 4 M  
Open Flow Rate: 20 LPM

### **•[Scope of use]**

Ambient temperature: -25℃-50℃  
Liquid temperature: 0℃-70℃  
environment humidity: Diving  
The type of liquid: Liquid  
Power Type: Power adaptor

### **•[Protection Feature]**

#### 1. Reverse voltage protection

When the reverse polarity,the pump should not be damaged,the pump can work properly after releasing reverse.

#### 2. Locked-rotor protection

When the rotor has a stuck phenomenon, the pump automatically stops working until the problem is lifted to prevent the pump from overheating.

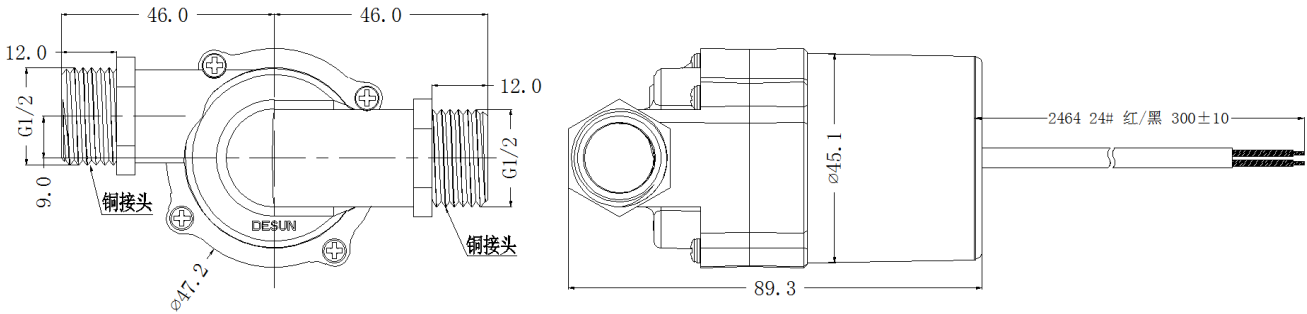
#### 3. Overvoltage protection

When the input voltage exceeds 18V,the pump stops working to prevent the voltage is too high to damage the pump.

4. Waterless protection

When the water level is low, the pump automatically reduces speed to prevent waterless wear of internal parts.

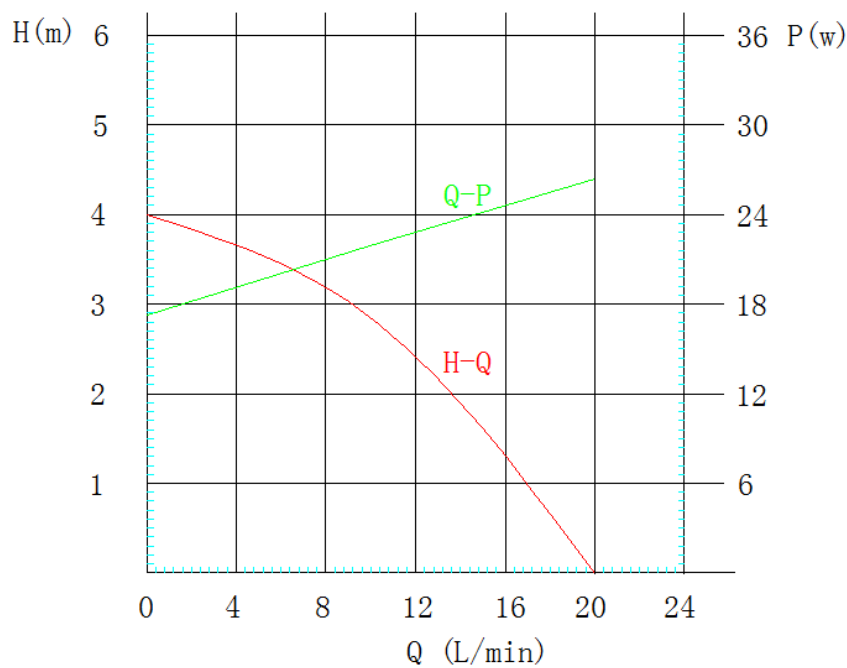
•【Plan view】



•【Wire instructions】

2464 24# 300MM	Red : Positive
	Black : Negative

•【Work curve】



•**[Notice]**

1. This product belongs to the centrifugal pump, must be installed in the liquid surface below the normal position.
2. Do not use with 0.35mm larger than the liquid impurities and guide the magnetic particles.
3. No liquid in the pump, is strictly prohibited! To prevent high-speed rotation of the rotor to produce high-temperature wear internal structure.
4. When using a low-temperature environment, make sure that the liquid will not freeze or become very viscous.
5. Must be expected to low temperature frost heave the situation, to prevent the winter water within the ice burst.
6. DC brushless pump internal clearance precise control, is strictly prohibited beating; otherwise cause noise and vibration increase!