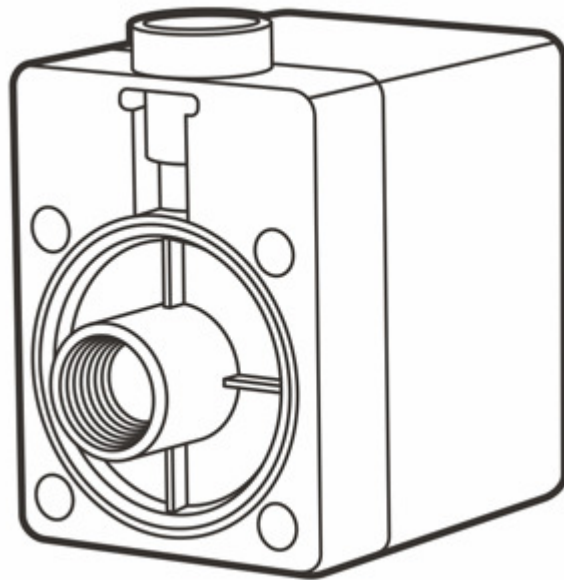




產品說明書

PRODUCT MANUAL



DC BRUSHLESS PUMP

Specification

Model	DP-400	DP-600	DP-600P	DP-1200
Rated voltage	DC12V±10%			
Starting voltage	DC 8V above			
Power Consumption	6.5W±10%	7.05W±10%	8W±10%	18W±10%
Load current	0.62A±10%	0.729A±10%	1A±10%	1.8A±10%
Q-max	400L/hr±10%	520L/hour±10%	600L/hour±10%	800L/hour±10%
H-max.	2.2m±10%	2.4m±10%	2.6m±10%	4m±10%
Size(mm)	52 x 45 x 50	61.7 x 46.7 x 59.7	61.7 x 46.7 x 59.7	75 x 54 x 66
Life Expectancy	50000/hrs at 25°C			
Noise	20dB under	25 dB under	25 dB under	25 dB under

Model	DP24-400	DP24-600P	DP24-1200
Rated voltage	DC24V±10%		
Starting voltage	DC 16V above		
Power Consumption	8.5W±10%	8.5W±10%	18W±10%
Load current	0.4A±10%	0.45A±10%	1A±10%
Q-max	380L/hr±10%	540L/hr±10%	800L/hr±10%
H-max.	1.8m±10%	2.5m±10%	4 m±10%
Size(mm)	52 x 45 x 50	61.7x 46.7 x 59.7	75 x 54 x 66
Life Expectancy	50000/hrs at 25°C		
Noise	20dB under	25 dB under	25 dB under

Signal Output

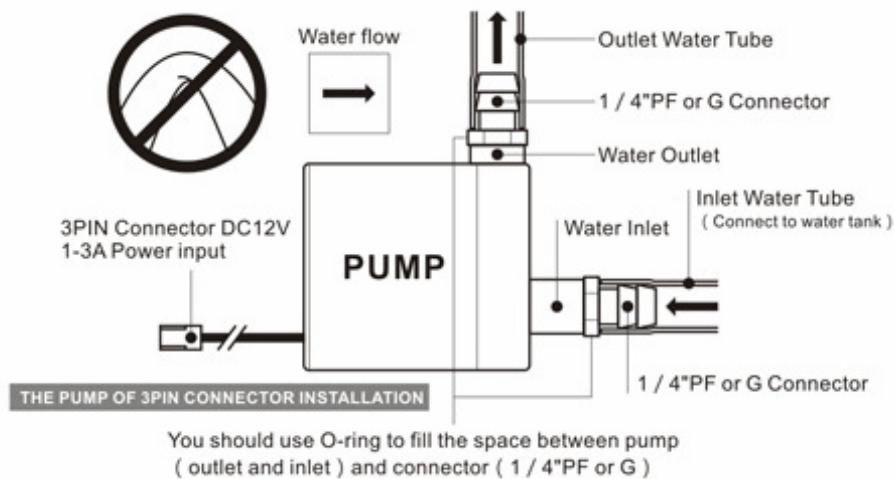
Wire No.	Item	Standard		Wire Color
1	GND			Black
2	Vcc	12VDC (10.8~13.2VDC)	24VDC (21.6~26.4VDC)	Red
3	Sensor	Square wave signal		Yellow

If pump use the power cables are two wires that is only GND and Vcc without sensor, also without signal output from the pump.

INSTALL EXPLANATION

Caution

1. Before refilling coolant for testing the water cooling system, please make sure again that all water tubes and connectors are securely fitted and correctively positioned. (JINGWAY high quality Iceland coolant is recommend)
欲注入水冷液來測試水冷系統前，請再次確認所有水管和接頭都完全的固定，並放置在正確的位置。(建議使用京威高品質水冷液進行測試)
2. If any fault develops not caused by pump but caused by falsely installation, the damage is not covered by the two years warranty.
本產品擁有二年保固，但不包含因人為疏失而導致的損害。
3. Please notice that if the water tube is folded to cause the water flow stopped while installation.
在安裝時請留意水管是否有彎折的情形，以確保水流的暢通。
4. Forbid to operate JINGWAY pump without liquid.
禁止在無水的情形下使用京威水泵。
5. Operating environment: Indoor or in the computer case, environment temperature range is 0 ~ 60°C.
操作環境：室內或機殼內、環境溫度為 0~60°C。
6. While removing water tubes, be sure to keep the device of these tubes away from any electronic part.
欲移除水管時，請務必將水冷裝置遠離所有的電子物件。
7. If you heard noise of bubbles while pump is operating, please make sure that the air pocket is out of the pump. (to see details in Annotation below)
如水泵運轉時有氣泡聲，請確認是否已將空氣由水泵中排出(詳細步驟請見附註說明)。



Step 1 Installation of connector 接頭的安裝

1. Setting the O-ring on the 1/4" PF or G connectors.
將 O 環置於 1/4" 的 PF 或 G 接頭上。
2. Fitting the connectors with water outlet and inlet of pump tightly. (The pump suits with 1/4" connectors.)
將接頭緊旋於水泵的出、入水口上。(水泵只適用於 1/4" 接頭。)

Step 2 Installation of water tube 水管的安裝

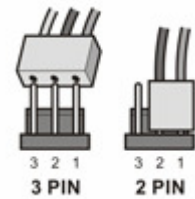
1. Setting the clamp on the tube first.
請先將管夾套進水管。
2. Tightly link the tube with connectors which connected with pump.
將水管與接頭緊密連接。
3. Using the clamp to clamp the junctions. (Please make sure that every junction is tightly connected.)
最後，使用管夾將接合處夾緊。請確認所有接合處都已緊密接合。

Step 3 Installation of power supply 電源供應器的安裝

1. The power cord of pump can be plugged into CPU fan's power outlet on motherboard. Besides, you can use 3pin turn 4pin cord to connect with power supply in the non-use of sensor line situation.

水泵電源線可插在主機板上的 CPU 風扇電源插座，或在不使用訊號線的情況底下，用 3 併線轉 4 併線與電源供應器連接。

2. Please read motherboard or power supply manual in detail before pump installation. 安裝水泵前，請先詳細閱讀主機板或電源供應器的使用說明書。
3. If you choose to use AC adaptor for power supply, please select DC12V, 1A to 3A ones. (Please make a choice depending on product specifications) 若想使用 AC 電源供應器，請選用可轉換成 DC12V，1A 至 3A 之規格者。(請視產品規格作選擇)



Step 4 Infusing coolant 注入水冷液

1. Before you infuse coolant, please make sure that if the water-cooling system has been full assembled.

在注入水冷液前，請確認水冷系統是否已組裝完成。

2. When you infusing coolant, please move pump and water tank out of the housing to prevent other components from improper infusing damage.

要注入水冷液時，請先將水泵及水箱從機殼移開，預防不正確注水時造成其他物件的損害。

3. Opening the refilling lid of water tank, fully infuse coolant into tank, and cover the lid back.

打開水箱注入孔的蓋子，待水冷液完全填滿水箱後，將蓋子蓋回。

4. Turn on the power, and check whether the coolant outflow from tank to tube smoothly. (This is the basic action for refilling coolant as the cooling system does not full of liquid now.)

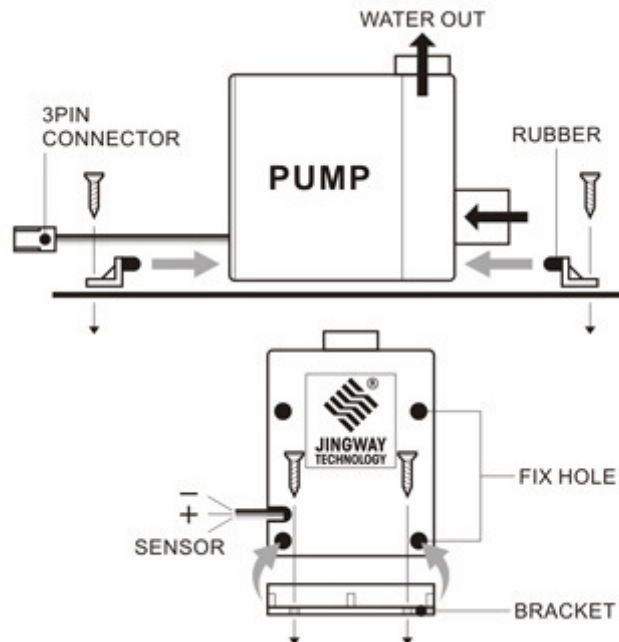
打開電源，並確認水箱的水冷液已經由水泵排出至水管。(這是一開始要重新注入水冷液的基本動作，因為水管或水冷系統並沒有充滿液體)

5. According to different brand's water cooling product specification, such as tank capacity and tube length, you may repeat step 4-1 and 4-2 to make sure coolant is full of the whole system.

由於市場上每一廠牌水冷系統的水箱容量及水管長度有所差異，所以必須重覆 4-1 和 4-2 的步驟，直到系統注滿水冷液。

Step 5 Fixing pump 固定水泵

1. After confirming no leakage situation, you can start fixing pump.
在確認無漏液現象後，即可開始固定水泵。
2. There are four equidistant holes on both top and bottom sides for two steadies. You can freely choose which direction you want to fix. Besides, you can add pad to strengthen the shock-absorbing effect.
水泵頂、底兩面皆有四個等距的固定孔，使兩個固定架可以從不同方向來固定。您可以自由選擇所要的固定方式，也可使用吸震墊加以輔助。
3. After selecting the fixed mode that you like, assemble mountings, then fix in the place that you make selection.
考慮完您想要的固定方式後，裝上固定架，再固定於您所選定的位置。

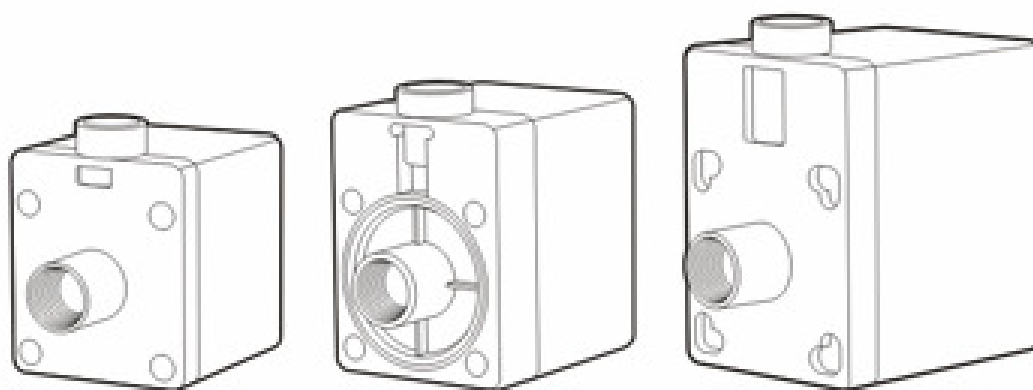


Annotation: Exhausting 排氣

Placing tank upon pump, turn on the power for 1 minute then turn off the power for 1 minute, too. This action should last 5 minutes.

將水箱移到水泵上方，開啓電源 1 分鐘，接著關閉電源 1 分鐘，這個動作需持續 5 分鐘。

Jingway Technology Best Quality



DP-400

DP-600P

DP-1200

DC 12V 24V

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