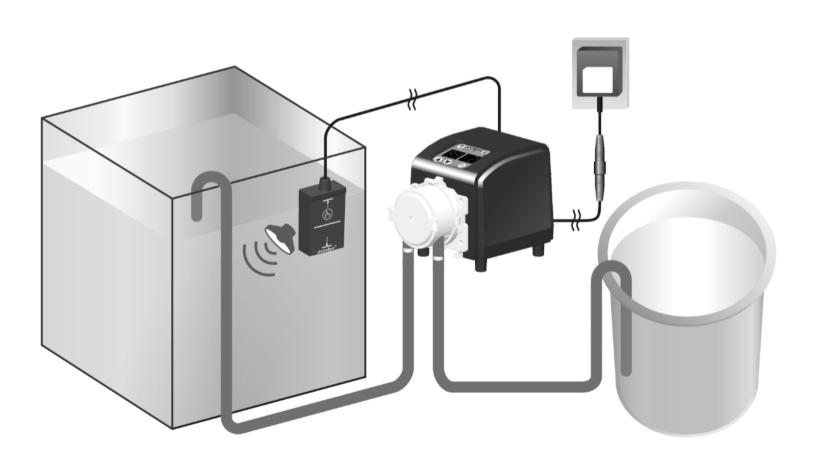
微電腦蠕動補水器 CS094A-1 CS094A-1 CS094A-1 CS094A-1 CS094A-1

特點

- 1.微控制器穿透型液位感測器偵測高 低水位予以顏色指示和警報。
- 2.預防不正常情況發生時,補水時間 可調整於5分 ~ 9時 ○

Features

- 1.Color & Alarm the Hi-low liquid level by MCU thru-wall type level sensor.
- 2.Adjustable dosing time 5min ~ 9h against any abnormal situation .



親愛的客戶:

感謝您購買本產品,為安全使用 和取得最佳性能,請詳細閱讀下 列說明:

Dear customer:

We appreciate you purchase this product, in order to ensure your safety and gain the perfect functions, please read the following illustration.

注意事項

- ●勿使本體落入水中, 以冤電子零件受損以 致短路。
- ●避免電源供應器的電線受到刮傷凹折,尤其是電線尾端針頭處
- ●請勿將電源供應器的 電線纏繞在其他物體 上。

CAUTION

- Avoid the main-body falling into the water, don't risk the electronic components causing a short circuit.
- Avoid switching power supply being scraped and concaved, especially the pinpoint on the end of wire.
- Don't tie switching power supply on other articles.

附件

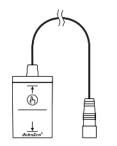
●雙面膠帶 - 2片。

ACCESSORIES

 Double-sided adhesive tape - 2 Pcs.







- ●橡膠管 3米。 内徑: 4.8毫米,
 - 外徑: 8.0毫米。
- ●電源供應器 1組。 輸入: 全電壓電源 (100V~240VAC)。

輸出: dc 12V 1000mA。

 \bigcirc \bigcirc \bigcirc

●液位感測器 - 1組。

- Rubber hose 3m.
 Inside diameter: 4.8mm,
 outside diameter: 8,0mm.
- Switching power supply 1 set.
 Input: Universal power supply

 (100~240VAC).

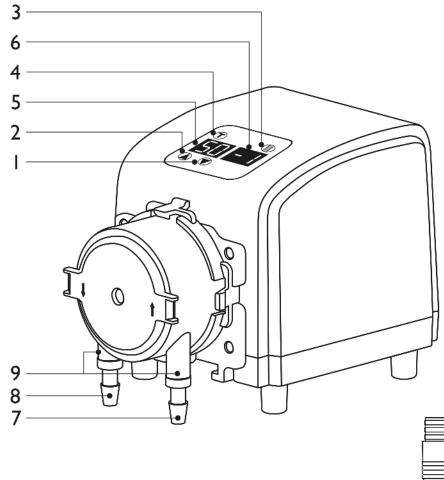
 Output: dc 12V 1000mA.

 \bigcirc

The level sensor - 1 set.

各部名稱簡介

- 〕減短補水時間設定鍵
- 2.增長補水時間設定鍵
- 3.橡膠管強迫佈滿流體與排氣鍵
- 4.運作模式選擇鍵
- 5.補水時間顯示器
- 6.運作模式顯示器
- 7.液體進料塑膠接頭
- 8.液體出料塑膠接頭
- 9.蠕動管
- 10.DC 12V電源插座
- 11.液位感測器連接線
- 12. 懸吊口 X 2



PARTS NAMES

1.Decreasing dosing time setting button

12 -

2.Increasing dosing time setting button

3. Full of liquid & put air out button

4.Operation mode selecting button

5.Dosing time display

6.Operation mode display

7. Liquid entrance connector

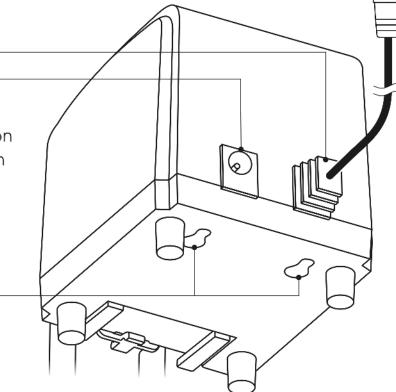
8.Liquid exit connector

9.The peristaltic tube

10.DC 12V jack

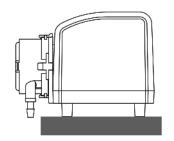
11. The level sensor connecting line

12. Suspensible hole X 2



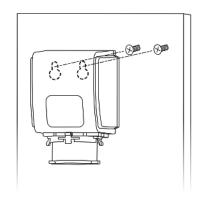
安裝方式

INSTALLATION



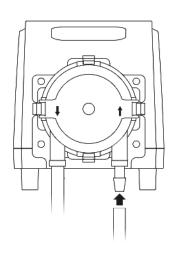
●平放於桌面上。

Put on the table.



●懸掛於牆上。 將本體背部的懸吊口 掛在釘子上。

Suspend on the wall.
 Hang suspensible hole at the rear of main body on the nail.

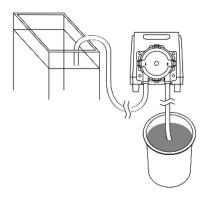


●將橡膠管套入塑膠 接頭 [。]

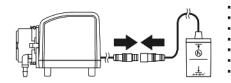
注意: 右進左出。

 Put the rubber hose onto connector.

Attention: the right-in, the left-out.



●將右側橡膠管插入 容器内(揚程約1.5米) ,左邊橡膠管放入 魚缸中(揚程約1.5米)。 Insert the right side hose into the vessel (Head around 1.5 meter), and put the left side hose onto the tank (Head around 1.5 meter).

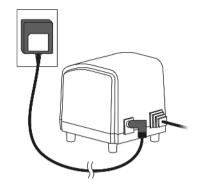


接上液位感測器。

Connect the level sensor.

電源操作

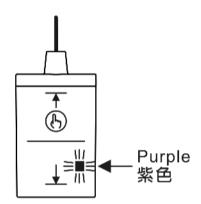
POWER OPERATION



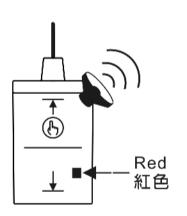
- ●電源供應器插入ac電壓 插座,輸出端插入 ac 12V插座。
- Plug the ac adapter into the outlet,
 plug the output into dc 12V jack.



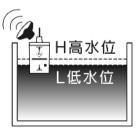
- ●數值 50 =1 代表微電 腦記憶前次的設定數值。表示運作模式選擇 =1 且補水時間設定為 50 。
- Numerical value is representative of the previous memory value set by microcomputer, it means that operation mode be selected and dosing time be set
 .



- LED 閃爍紫色 8 次後。
- After the LED flashes with purple color 8 times.



- ●跳至紅色並警報 聲 2 次。
- It skip to red color and alarm resound twice.



- ●而後每隔6秒警報 聲2次,表示液位 感測器處在低水位 狀態或置於空氣中。
- then alarm resound twice in every
 seconds. it means that the level
 sensor be positioned in a low level
 state or placed in the air.



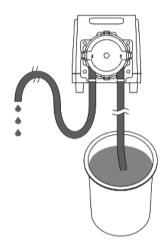


設定鍵操作

SETTING BUTTON OPERATION



- ●欲管内強迫佈滿流體與 排氣,請持續按銀。
- Intend forcing the inside of hose being full of liquid and putting air out, please continually press (1) button.



- ●將管内氣體排出,使左 右兩邊橡膠管佈滿液體 後才離開按鍵。
- Put the air which in side of hose out,
 when both side of hose be full of
 liquid and then left the button.



LED顯示 -:

表示本機蠕動幫浦不會補水運轉。

The LED indicates ::
it means that the dosing pump
would not run ATO.



LED顯示 - :

表示本機蠕動幫浦進入自動補水功能。

The LED indicates : : it means that the dosing pump enter the function of running ATO.

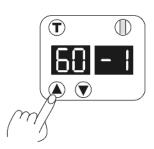
責任保證

在正常用途及服務下,從購買日算起 12個月,對產品零件或製造所產生瑕 疵做保證。此保證僅限於本機體,機 體外的損失非在保障權限之內,請退 回您當地的經銷商修理或替換。

購買日期 Date Purchased _____/___/____/ 經銷店章 Sealed By Store

Limited Warranty

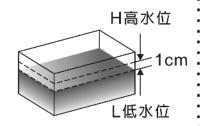
Under normal use and service, all appliances carry 12 months warranty from the date of purchase on parts and labor against manufacturing defects. Please return the unit if deemed defective to your local dealer for repair or replacement. The warranty is limited to this appliance only, Not responsible for consequential loss or damage.



- **50 1**
- ●按 **▼** 鍵則減少補水 時間(最少5分鐘),從 60分→50分→…→10分
- Press button to increase the dosing time(maximum 9 hours), from 60min→…→ 90min→ 2H→ 3H →…→ 9H.
- Press \bigcirc button to decrease the dosing time(minimum 5 min), from $60\text{min} \rightarrow 50\text{min} \rightarrow \cdots \rightarrow 10\text{min} \rightarrow 5\text{min}$.

設定補水時間

SET THE DOSING TIME



●計算出補水量:

→ 5分。

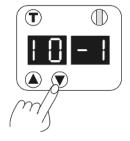
- 1.容器尺寸 (長×寬×高): 60×30×30公分。
- 2.補水量: 60×30×1公分/1000 =1.8公升。

(1公分為高低水位差值 ,此值視容器之不同材 質及厚度而有所不同)。

- Count dosing dosage:
 - 1.Vessel dimensions (L×W×H): 60×30×30cm.

2. Dosing dosage:

60×30×1cm/1000 =1.8 liters. (Level difference 1 cm depends on the different material and thickness of vessel).



- ●決定補水時間:
 - 1.本機器補水量為 20公升/60分 =0.33公升/分。
 - 2.故補水時間須 1.8公升/(0.33公升/分) =5.45分。
 - 3.最後決定補水時間為 時間依設定在10分, 其他設定此類推。

- Decide dosing time :
 - 1.The machine dose dosage up to20 liters/60 minutes=0.33 liters/min.
 - 2.So the dosing time shall be
 - $1.8 \, \text{liters/}(0.33 \, \, \text{liters/min})$
 - =5.45 minutes.
 - 3. The final decision on the dosing time is setting at 10 minutes, and so on.

安裝液位感測器

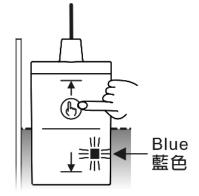
INSTALL THE LEVEL SENSOR

- ●將液位感測器安裝在乾淨 的玻璃或塑膠容器外壁。
- ●附著是由雙面膠帶粘接 完成。
- ●容器壁厚度可以 2~15 mm。

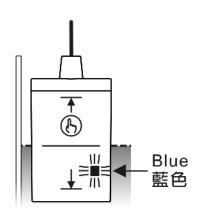
1.決定高水位。

- Put the level sensor to install on a clean surface of glass or plastic vessel.
- Attachment is done by double-sided adhesive tape.
- Thickness of the vessel wall can be 2~15 mm.
 - 1.Decide the high liquid level.

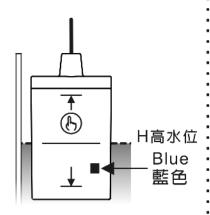
- H高水位 H高水位
- H高水位
- 2.先將雙面膠帶的一面 離形紙撕開後,黏貼 於液位感測器的背面。
- 3.將液位感測器之白色 中線對準高水位後, 再將雙面膠帶的另面 離形紙撕開並將感測 器粘貼在容器外壁上。
- 2.Peel off the protective paper of double-sided adhesive tape, attach the rear of main body of the level sensor.
- 3. After the white centerline of level sensor aim at the high liquid level, peel off the other side of protective paper of double-sided adhesive tape and attach the level sensor on the outer wall of vessel.



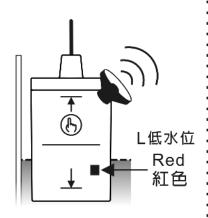
- 4.手按 ⑤ 鍵約2秒後LED 會閃爍藍色。



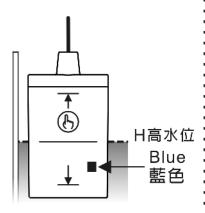
5.手離開 ⑤ 鍵後 LED 會 閃爍藍色約 10 次再跳 至藍色。 5.After left (b) button, LED flashes with blue color about 10 times and then skip to blue color.



6.LED 跳至藍色,表示 高水位定位完成且 不會有補水動作。 6.LED skip to blue color, it means that the high liquid level be positioned and do not have an dosing action.



7.當水位下降至低水位 時,LED 跳至紅色並 警報聲 2 次才開始有 補水。 7. When the liquid level drops to the low liquid level, LEDskip to red color and alarm resound twice and then start dosing dosage.



8.當水位上升至高水位 時, LED 跳至藍色且 截止補水。

8. When the liquid level rises up the high liquid level, LED skip to blue color and stop dosing dosage.

保養

■蠕動管與馬達是消耗品,必須定期更換。

蠕動管:運轉2000小時後必須 更換,如果有重度運 轉時,則視情況縮短 更換時間。

馬達:運轉2000 小時後必須更換,如果有重度運轉時, 則視情況縮短更換時間。

註:蠕動管或馬達損壞需更換整組蠕動幫浦。

MAINTENANCE

 The peristaltic tube and the motor are consumable parts and need to be replaced regularly.

Tube: After a running time of around 2000 hours ,the tube needs replacement. if the tube under heavy use conditions, the tube should be shortened the regular time.

Motor: After a running time of around 2000 hours, the motor needs replacement. If the motor under heavy use conditions, the motor should be shortened the regular time.

Note: the peristaltic tube and motor are damaged that should replace the entire of dosing pump.

技術規格

●型號: CS094A-1

輸入:全電壓電源

(100V~240VAC) •

輸出: DC 12V 1000mA。

 \bigcirc

功率(幫浦運轉時):4.8W。

液量:20公升/小時。

尺寸(寬×高×深):

主機:78×88×130 mm。 感測器:36×65×18 mm。

重量(含包裝盒):700g。

●注意:

上列數據皆為近似參考值,規格 若有變化,恕不另行通知。

TECHNICAL SPECIFICATIONS

● Model: CS094A-1

Input: Universal power supply

(100V~240VAC)

Output: DC 12V 1000mA

 \bigcirc \bigcirc \bigcirc

Wattage(when pump running): 4.8W

Dosage: 20 liter/hour Measurement(WxHxD):

Main body: $78 \times 88 \times 130$ mm

Sensor: $36 \times 65 \times 18$ mm

Weight(packaged): 700 g

ATTENTION:

Above data are approximate reference value, it wouldn't be advised if the specification being changed.