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# **INFINITY™ FLUID SUPPLIER**

## **Operating Instructions**

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**P/N 250060 (120V)**

**P/N 250061 (230V)**

**Thank you for purchasing this Infinity™ Fluid Supplier!**

- **To ensure proper operation of this unit, please take some time to read the manual carefully.**
- **We believe you will enjoy years of great service if you properly care for your new Infinity™ Fluid Supplier.**

**CITC**

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# 1. Equipment Supplied

- Infinity™ Fluid Supplier Pump Assembly
- 2 ½ Gallon Fluid Container Assembly
- Power Cord (Attached)
  - 120V
  - 230V
- 50' (16m) Standard Length Low Voltage Control Cable
- Instruction Booklet

# 2. Accessories

- 6 mm Fluid Tubing (Specify Length) (P/N: 250100)
- Spare Fuses (P/N 704070-1)

Please check whether all the products you ordered are supplied.

### 3. Description

Introducing a compact and automatic method of keeping your effects equipment supplied with fluid! The Infinity™ Fluid Supplier uses a high-volume pump with low-voltage fill control and a 24 hour timer for reliable, maintenance-free replenishment. For use with water-based fluids only.

### 4. Safety Instructions

**WARNING: Read and understand all labels and operating instructions before attempting installation.**

- No user serviceable parts. Taking apart the Infinity™ Fluid Supplier will void your warranty.
- **RISK OF ELECTRICAL SHOCK-** This device is supplied with a grounding conductor. To reduce risk of electrical shock, connect only to properly grounded, grounding type receptacles. Never remove the ground from the plug.
- If you have any doubts about the capacity or grounding of your existing circuits, consult a qualified electrician.
- Do not operate or store in wet locations.
- Use only with CITC water-based fluids.

### 5. Operating the Infinity™ Fluid Supplier

#### 5.1 Selecting The Location

Secure a good, dry location for the base to rest solidly on the floor. Make sure that your Infinity™ Fluid Supplier is located so that the low-voltage control cable and 6mm fluid tubing can reach from the fluid source to the 2-1/2 gallon reservoir at the effects machine.

#### 5.2 Electrical Power Requirements

Be sure to use a **NON DIMMABLE** circuit that can provide 1 amp at 120Vac.

#### 5.3 Hooking Things Up

- Insert the 10mm tubing with weighted filter into your 55 gallon drum (or other container) of fluid.
- Attach the 6mm tubing to the connector marked “FLUID OUT” on the pump assembly, and attach the other end to the fitting labeled “INPUT” on the 2-1/2 gallon reservoir.
- Connect the tube from the effects machine to the fitting labeled “OUTPUT” on the 2-1/2 gallon reservoir. For the BubbleMax X2, this is 6mm tubing; most other equipment uses a 4mm fitting.
- Plug one end of the low-voltage control cable into the connector labeled “LV CONTROL CABLE” on the pump assembly, and the other end to the 2-pin connector on the cap of the 2-1/2 gallon reservoir.
- Plug the included power cord with into an appropriate power source. Once the Infinity™ Fluid Supplier is plugged in, the green LED light will illuminate when the unit is pumping.

## 5.4 Setting the timer

The Infinity™ Fluid Supplier is equipped with a 24 hour timer to allow you to set the system to refill at specified times so that it will remain silent during production. When the timer reaches one of the programmed “ON” sequences, the fluid pump will come on to refill the 2-1/2 gallon reservoir. A float switch inside the reservoir shuts the pump off when filling is complete, so you never have to worry about overfilling or spillage.



- **Set the clock to the current time of day, keeping in mind any change of daylight savings.** Press and hold the Clock button. Press the Day button until correct day is displayed. Press the Hour button until correct hour is displayed. AM or PM is visible in the upper left. Press the Min button until correct minute is displayed. Release the Clock button. Clock is set.
- **Set the timer:** Plan ahead and use care when setting. To change any or all On/Off times, timer must be reset first. "Correcting" just one setting is not possible.
- **Set the ON/Off Times:** Press Timer button. 1<sup>ON</sup> appears in the window. To select the first desired On time, Press Hour, then Min.
- To select the first desired Off time, press Timer. 1<sup>OFF</sup> appears in the window. Press Hour, then Min, to select the first Off time.
- Set up to 8 On-Off cycles by repeating the process for each On time and each Off time. Be sure to set Off time before choosing a different Program Period.
- **Program Periods** If you want the pump to come on only on certain days, you can push “DAY” while in timer mode to select specific days or combinations of days. Repeatedly pushing the “DAY” button will cause the timer to cycle through the possible combinations of days allowed. Multiple Program Periods can be used, but all On/Off functions will be the same for days within that period. Possible days/combinations are:

```

1 MO TU WE TH FR SA SU
2 MO
3     TU
4         WE
5             TH
6                 FR
7                     SA
8                         SU
9 MO TU WE TH FR
10                 SA SU
11 MO TU WE TH FR SA
12 MO TU WE
13             TH FR SA
14 MO     WE     FR
15     TU     TH     SA
  
```

- **Complete and check timer settings:** Finally, press Clock to return to current time. Check that the Indicator line under the current time is above AUTO; if not press the

Manual button until Auto is indicated. To confirm programmed settings, press Timer repeatedly to sequentially review all On-Off settings.

## 5.5 Operation

- Operate effects equipment as normal.
- As the fluid in the 2-1/2 gallon reservoir draws down, the float switch inside the container will activate.
- This sends a signal through the low-voltage control cable, which turns on the pump to refill the reservoir.
- Once the reservoir has filled sufficiently, the float switch deactivates and shuts off the pump.
- Make sure the timer “ON” cycles are long enough to refill the container before the timer shuts off.

## 5.6 Troubleshooting

<b>Problem:</b>	<b>Solution:</b>
Fluid doesn't refill	-Verify timer settings. -Check low-voltage control cable.
Pump makes noise pump but doesn't pump fluid	-Make sure 10mm tubing with weighted filter is submerged in source container (drum)
Timer is on, but the pump doesn't work and green LED isn't illuminated	-Check fuse; replace with 1 amp fuse if necessary

## 6. Technical Data

<b>Infinity™ Fluid Supplier</b> P/N 250060 (120V) • P/N 250061 (230V)	
Shipping Dimensions	18" x 12" x 10" (46 cm x 31 cm x 26 cm)
Shipping Weight	9 lb. (4 kg)
Included Accessories	Pump Assembly with Power Cord 2-1/2 Gallon Container Low-voltage Control Cable
Pumping Distance	Maximum 150' (50m) Horizontally Maximum 20' (6.5m) Vertically
Electrical Supply	120 VAC, 1A, 60 Hz 230VAC, .5A, 50 or 60 Hz (Specify)
Fuse	120VAC: 1A – 250VAC, 5mm x 20mm 230VAC: .5A – 250VAC, 5mm x 20mm
Limited Warranty	1 Year
Rev. 05/16/2017	

## **7. Limited Warranty Conditions**

- 1. Subject to the following conditions we will repair any defect or fault in the unit if it is caused by a proven factory fault and has been advised immediately after appearance and within 1 year of delivery to the end user. Insignificant deviations of the regular product quality do not guarantee replacement rights, nor do faults or defects caused by water, by generally abnormal environment conditions or Force Majeure.**
- 2. Limited Warranty Service will be done in the following way: Faulty parts will be repaired or replaced (our choice) with correct parts. Faulty units must be shipped to us at customer's expense. The RMA# has to come with the faulty unit.**
- 3. The customer loses all rights for limited warranty services, if any repairs or adjustments are done to the units by unauthorized persons and/or if spare parts are used, which are not approved by us. Non-compliance with the instructions in this manual or mistakes by incorrect handling/treating of the machine, any faults and damages caused by undue force will lead to a loss of limited warranty.**
- 4. Freight costs to CITC when under the limited warranty services are the responsibility of the customer. CITC will pay freight for return.**
- 5. Limited warranty services do not cause an extension of the limited warranty time or the start of a new limited warranty time. The warranty of replaced parts ends with the limited warranty time of the whole unit.**
- 6. If a defect/fault can not be repaired by us in a satisfactory time, we will, within 30 days after sale of the unit, our choice either:**
  - Replace the whole unit for free or**
  - Refund the lesser value or**
  - Take back the whole unit and refund the purchase price, but not more than the usual market price at the time of refund.**
- 7. Further claims, especially for damages, losses etc. outside the unit are excluded.**
- 8. Your limited warranty coverage is based on completion of the warranty card and returning it with your proof of purchase within 30 days of purchase.**



**Obtain your RMA# by calling CITC. Payment arrangements for repair must be made before receiving RMA # in case unit is not covered under Limited Warranty.**

**Send unit to:**

**CITC  
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March 31, 2017