

**SIESTA SEMI – AUTOMATIC CHLORINATOR  
MODEL:CS1  
INSTALLATION INSTRUCTIONS**

**I. PARTS**

1pc. control cabinet with pump

Parts for liquid chlorine pump head

1pc. ¼" poly delivery tubing, 4 meters  
1pc. drum weight and retainer  
1pc. ¼" poly tube connector  
1pc. ¼" poly non-return valve

Parts for water line connection

1pc. 40mm x ½ poly pipe tee  
1pc. ¼" tube x ½" bsp - connector injection fitting.

**II. DESCRIPTION:**

The Dema Australia SIESTA semi-automatic pool spa chlorinator is an economical liquid chlorine feeder unit designed to inject chlorine into pools and spas at rates to maintain sparkling clear water all year round. The amount of liquid chlorine being delivered into the pool spa is easily adjusted via the dial setting on the front of the unit. The unit is equipped with a pump head sufficient for all standard sized domestic pools. Larger pump heads are available for pool capacities in excess of 100 000 liters. A second SIESTA semi automatic unit can be installed for the delivery of set amounts of pool acids, to help maintain the correct PH levels in the pool.

**III. INSTALLATION:**

**A) Control Cabinet:**

Mount the control cabinet on a shelf or wall not more than two meters from the liquid container. The key hole slots in the back of the cabinet are provided for wall mounting. Make sure other equipment is not directly below the chlorinator. Do not mount in exposed area or pool zone.

**B) Tube connections: (Also refer to drawing under sections VII and IX)**

Decide when in the 'return to pool line' the poly tee is to be installed. Cut the required lengths of the tubing for the suction and discharge lines. Push the poly-barbed connector into the suction side of the pump and the NON-RETURN valve into the discharge side. Push the cut lengths of the poly tubes onto these fittings.

Fit the end of the SUCTION TUBE through the ceramic weight; fit the drop assembly into the chlorine container.

Fit the end of the DISCHARGE TUBE into the injection fitting in the poly tee. Be sure to push the tubing right through the tee fitting and into the opposite internal wall, the pull back 10mm and tighten the nut.

**Note:** Pump direction is shown on the faceplate and is in a clockwise direction. The non-return valve must be installed on the discharge side. Be sure to mount the non-return valve in the direction of flow – an arrow is molded on the side of the valve. Refer to the drawing in section IX.

**C) Poly Tee piece:**

The tee may now be installed into the 'return to the pool' line in the position already chosen. This is accomplished by cutting a piece out of the line and gluing the tee into place.

**Important:** If the 'return to pool' line is below the water level of the pool, be sure to isolate this line before cutting it to avoid the loss of water.

**D) Electrical connection:**

Plug into 240v ac power outlet with the water filter pump. The lead supplied with the SIESTA is fitted with a 'piggy' back plug for ease of installation. Chlorine dosing operations are controlled automatically by the SIESTA while the water filter pump is on.

Alternatively, the SIESTA may be used with a separate timer is set to operate only when the filter pump is running.

**IV. OPERATION:**

Ensure that the chlorine is full.

**A) Adjustments:**

1. Switch on the power to the SIESTA and water filter pump.

2. Turn the SIESTA control dial to Full. The chlorine will rise up the poly suction tube. When the chlorine begins to run down the discharge tube to the injection point then reset the dial to the initial recommended setting.

3. Test the pool for the next 7 days. Adjust the dial to give the desired chlorine level. During heavy bathing periods or excessive rain, the dial setting may need to be increased slightly for that period until normal operating conditions are reached.

Remember also that during winter and low pool usage periods your chlorine usage will decrease.

4. **RECOMMENDED DIAL SETTING** for domestic pools based on 4-6 hours operation per day.

<u>POOL SIZE</u>	<u>DIAL SETTING</u>
50 000 L	1-2
100 000 L	2-3

**Important:** The pool Ph level must be kept correct level (7.2 to 7.6) for efficient chlorinating.

**B) Super Chlorinating:**

To super chlorinate your pool, simply adjust the dial to double the normal setting for one filter period. At the conclusion of the filter period return the dial to its normal setting

**V. SERVICING:**

**A)** Clean the injection point periodically.

**B)** Lubrication the squeeze tube regularly with approved lubricant. Every three months.

**C)** Replace the squeeze tube periodically. Every twelve months.

**D)** Check the chlorine probe periodically. Clean with a MILD acid solution.

**E)** The chlorine probe should be checked by pool shop every twelve months.

**VI. SERVICING:**

**A)** Clean the injection point periodically.

**B)** Lubricate the squeeze tube regularly with approved lubricant. Every three months.

**C)** Replace the squeeze tube periodically. Every three months.

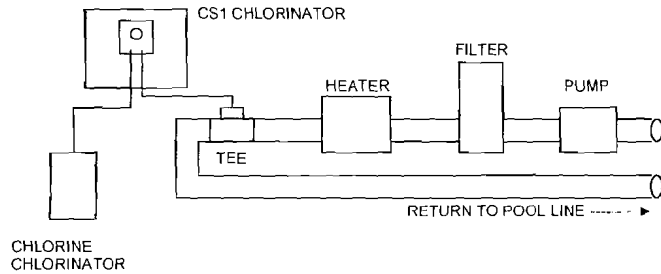
**D)** Check the chlorine probe periodically. Clean with a MILD acid solution.

**E)** The chlorine probe should be checked by pool shop every twelve months.

**VII. TROUBLE SHOOTING:**

- Feeder not pumping
- 1) Check for power to SIESTA.
  - 2) Check that suction tube is in the bottom of chlorine container
  - 3) Check squeeze tube for leaks.
  - 4) Check suction and delivery tubes for leaks.
  - 5) Check that the control dial is not set too low.
  - 6) Check for empty chlorine drum.
  - 7) Check for blockage at injector point.

- Poor chlorine level / pool condition
- 1) Check pool water condition / quality.
  - 2) Check chlorine container.
  - 3) Check chlorine strength

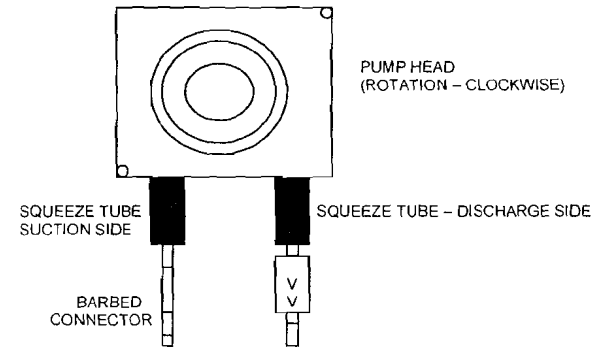


CHLORINE CHLORINATOR

**VIII. NOTES:**

1. It is strongly advised that a sun screening chemical be used every twelve months when using liquid chlorine.
2. The use of copper-based algaecides is not recommended as may cause coating of the probe.
3. The use of calcium hypo may cause scaling of the probe.
4. Very hard water may cause probe scaling.
5. Operate the controller at the same time every day.

**IX. PUMP HEAD TUBE CONNECTIONS:**



**X. SIESTA CS1 SEMI - AUTOMATIC CHLORINATOR PARTS LIST:**

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
SIESTA UNIT PARTS		ACCESSORIES	
12000	MOTOR 5RPM AC	17020	TUBE LUBE 50g
13000	PUMP HEAD SIZE 2	18700	POLY TUBE 1/4" PER METER
13300	PUMP FACE PLATE SIZE 2	21053	NON-RETURN CONNECTOR
13750	TRI ROLLER BLOCK SIZE 2	21100	CHLORINE INJECTOR
14520	SQUEEZE TUBE SIZE 2	21110	POLY TEE 40mm X 1/2"
24500	ACCESSORY KIT - CS1	22700	RETAINER
26000	POWER LEAD C/W ADAPTOR	22705	DRUM WIEGHT
26800	CORD ANCHOR	23000	POLY BARBED CONNECTOR
33200	STAINLESS BOX CS1	29700	INTERUPTOR SWITCH
33841	LABEL SIESTA CS1		

**XI. SIESTA CS1 - BASIC TESTING.**

- A) Feeder not pumping.**
- 1) Check for empty chlorine container.
  - 2) Check that suction tube is in the bottom of the chlorine container
  - 3) Check squeeze tube for leaks.
  - 4) Check that the control dial is not set too low.
  - 5) Check for power to the unit.
  - 6) Check for blockage at the injector point.



**B) Poor chlorine level / pool condition.**

- 1) Check pool water condition / quality. See advised settings under pool chemical composition.
- 2) Check chlorine strength.
- 3) Check for secure probe connection.
- 4) Check chlorine container.
- 5) Is the probe clean? Check and clean if necessary with a mild solution.

**C) Electrical fault finding.**

- 1) Check for power to unit.
- 2) Switch Interrupter switch to FULL.
- 3) Check for power to the interrupter switch. If none, power lead may be faulty.
- 4) Check for power from interrupter switch (load terminal and neutral). If none, interrupter switch may be faulty.
- 5) Check for power at motor. If power is available at motor, and the motor does not work, the motor may need replacing.
- 6) Check all terminals and lugs for tight connection.

**Please note:** All of the above steps are recommendations only and are to use as a quick guide in finding any fault. Work carried out on any unit still under warranty, outside Dema's workshop, may void its warranty.