

- Do not enclose the power pack in a box.
- Do not install it above any other heat source.
- A shaded position away from rain and direct sunlight is preferable, though not essential.

#### **6. CONNECTING THE POWER PACK TO THE CELL**

- Remove the grey electrode cover by squeezing the cover and pulling it off.
- Check that the electrode is screwed tight in the housing.
- Fit the yellow cell plug to the housing.
- Replace the grey electrode cover.

#### **7. TIME SWITCH**

- Plug filter pump (one only) into the 3-pin socket in the base of the power pack. The chlorinator time switch will control both the chlorinator and filter pump.
- Set the correct time and set 'on' and 'off' time periods by method described in the Owner's Manual. Typical ON period is 8 hours (preferably at night) in summer, and 4 hours in winter.

#### **8. INITIAL START-UP**

After waiting 24 hours to allow the PVC glue on the cell fittings to fully set, and making sure that all the salt has dissolved and dispersed evenly in the pool water, switch on the pump and chlorinator.

Add salt if necessary

#### **9. SAFETY FEATURES**

The Chlorine Output lights indicate that the chlorinator is operating correctly and producing chlorine. In the event of hydrogen gas accumulation in the cell housing (for example, when the plumbing valve settings are positioned incorrectly), the chlorinator will cease producing chlorine for safety reasons. The pool pump will continue to operate as normal.

The Salt light warns the pool operator that the salt concentration in the pool has dropped below a preset critical value. More salt should be added. See the accompanying Owner's Manual for guidelines as to the addition of salt. Note the CHECK SALT INDICATOR will be ON if the water temperature of the pool drops to low temperatures or if the cell is damaged or needs replacement. Consult Zodiac or your local pool shop for details.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

**WARNING:**  
**Chlorinator should be installed by an experienced pool technician. Failure to install and operate this product in accordance with these installation instructions may result in a hazardous situation which could cause personal injury or property damage. This product must be connected into a fixed powerpoint installed by a qualified electrician. Power extension cords must not be used.**

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# LM3 SALTWATER CHLORINATOR INSTALLATION INSTRUCTIONS

H0426300 REV A

Due to constant developments and improvements, specifications may change without notice.  
 Made in Australia by Zodiac Group Australia Pty Ltd

### **IMPORTANT READ THIS FIRST!**

The Zodiac Saltwater chlorinator model LM-3 has been tested and approved to IP24 and may be installed within the pool zone as defined in AS/NZS3000. The installation of the chlorinator should be carried out in accordance with the Australian wiring rules AS/NZS3000.

The chlorinator power pack should be located in the correct pool zone (no less than 3.5 metres from the pool edge) and connected to supply via a power outlet that is protected by a residual current device (RCD) having a rated residual operating current not exceeding 30mA.

The power outlet should have a degree of protection suitable for the pool zone

Ensure that equipotential bonding of all parts of the pool installation is carried out.

### **1. OWNER'S MANUAL**

Please hand Owner's Manual to the pool owner.

### **2. ADD SALT TO THE POOL**

Add refined pool salt (sodium chloride) at the rate of 4 kg per 1000 litres.

This proportion is equivalent to 4,000 ppm (parts per million). The salt should be added at various positions into the shallow end of the pool. The salt will spread and dissolve more quickly as it runs down the slope of the pool towards the deep end. Run pump to mix dissolved salt throughout pool. When all the salt has dissolved, set the chlorine output control to maximum.

Note: Remove the automatic pool cleaner before adding salt or other chemicals.

Note that the chlorinator output depends on salt concentration, water temperature, and mains power voltage. The nominal standard values of 4,000ppm salt, 27 degrees Celsius water temperature, and correct mains voltage, will provide maximum output. If any one or more of these three variables are less than the standard values, the output may be less.

### **3. INSTALL THE CELL**

- (a) Cell must be horizontal, with the pipe sockets facing downward.
- (b) The water flow direction is marked on the cell.
- (c) Glueing: First clean both mating surfaces with solvent cleaner. Then, apply glue to both mating surfaces. Assemble glued joint and hold in place for at least 30 seconds. Allow 24 hours to set before pressurising the system.
- (d) Cell **MUST** be downstream of the heater and filter. It **MUST** be the last piece of equipment in the pipe line.
- (e) The position of the cell, relative to other equipment, should be such that gases generated under normal operation should not accumulate in any receptacle or pipework. Thus, the cell should be positioned in-line **AFTER** all receptacles where gases in excess of 2 litres may accumulate under normal operation. e.g. filter tanks, header tanks, solar systems, by-pass pipe loops, heaters, etc.

### **4. WARNING**

Water pressure in the cell must not exceed 200 kPa, or 40 psi. Temperature of water in cell must not exceed 40 degrees Celsius.

If a valve is required after the cell it should always be a non-return valve not a manually operated version.

### **5. INSTALL THE POWER PACK**

Use the template provided to fit up to 2 mounting screws to a wall or post. (If the power pack is to be installed on a post then it must be centrally positioned on a flat panel of suitable waterproof material at least 240mm wide by 440mm high.)

