

CHLORTROL

Installation and Operating Manual

Models Available

A1 Acid only dosing unit

C1 Chlorine only dosing unit

CA2 Chlorine & Acid dosing unit

INTRODUCTION

Congratulations on the purchase of your new CHLORTOL. You have now become part of the growing number of satisfied customers since 1982 of automatic water chemistry management by Pool Controls.

The CHLORTROL is more than just a dosing system; it is complete peace of mind when it comes to water treatment.

The CHORTROL is designed to help ensure your water is correctly adjusted. It will do this when the pump/filter is running, but remember that every water body is different and it is necessary to check that there is good mixing for the CHLORTROL to work at its best and most efficient.

CHLORTROL will treat your water but like all superior devices, if not installed correctly you will not get the best results. Therefore please ask your dealer to explain anything which is not clear.

Understanding your CHLROTROL doser will make sure you get the very best performance from it, so please read your manual carefully.

INSTALLATION

NOTE: DO NOT DISCARD OR REMOVE THIS INSTRUCTION BOOK WHEN THE INSTALLATION IS COMPLETE. LEAVE ON SITE FOR OPERATOR'S USE.

Electrical Supply

The CHLORTROL unit requires a supply voltage of 220/250 AC and must be connected to the pump operating circuit so that it will only operate when the pump is running. – THIS IS IMPORTANT

Installation Procedure

The first step is to check for any air-leaks in the existing circulation system. Pay particular attention to the hair and lint pot filter (the filter actually in the pump, having a transparent lid) to see if there are any bubbles swirling around in it which do not completely clear within 2-3 minutes. If such air-bubbles are remaining then it is likely the system has an air-leak in the suction line between the water body and the pump and this should be investigated before proceeding to install the injection point.

- **Installing the Unit**

LOCATION

For ease of installation and for safety, the Chlortrol must be installed as follows:

- In a normal upright position (with the printing on the front reading horizontally) and protruding cords facing toward the ground.
- Attached to a solid vertical surface to provide easy access to the power supply and should preferably be fixed at eye level.
- To obtain maximum life for the unit it is recommended that it be located in a sheltered and shaded position.



Injection Point Position

The injection point must be installed before the pump, ie. The suction side! The injection point should also be installed in the vertical position.

- **Installing the CHLORTROL control unit**

NOTE: The CHLORTROL control unit is fully approved to be fitted in prescribed areas such as the swimming pool zone.

Fitting the control unit to a convenient wall or timber post is easy using either the masonry anchor screws or the self-tapping screws included in the kit.

NOTE: To comply with Australian electrical safety standards do not fit the control unit lower than 500mm from the ground surface.

- **Tubing Connection**

Connect the tubing from the valve to the injection nozzle and push fully on.

- **Chemical Drum Placement**

Position the chemical drum and drill 2 holes in its cap, one slightly larger than the diameter of the feed tubing and the second a breather hole approx 2mm, this will prevent the drum wall from being sucked in if drum runs dry.

Connect the tubing to the CHLORTROL valve inlet. Lay the tubing neatly to the drum and pass it through the hole in the lid. Measure the tubing against the outside of the drum so that the drum filter is about 2.5cm above the bottom of the drum and apply some electrical tape to the tubing above the cap to prevent the tubing from slipping further into the drum. Then place the sinker onto the tubing with the drum filter and lower the drum filter and sinker into the drum and tighten the cap.

- **Starting and Operating**

The simple to use CHLORTROL can dose all sizes of water bodies (up to a max of 120,000 Litres). Adjusting the rate of dosing will allow you to keep the correct levels throughout the year when the pool pump is running. For the average size pool set the dial to half way, this is only a suggestion because you have to take into consideration the bather load and how long you want to run your pump and filter. To achieve the correct levels use a good quality test kit and if necessary adjust the setting to the Chlortrol it is a timed doser and the dials allow you to turn the amount of chemical you need up or down, we suggest that you run the system for 8 hours and then test then adjust if necessary.

Operating vacuum must be between -20kpa to -50 kpa

- **Description of On-time and Off-time**

The Unit on the **CHLORINE** side has a range of “0” which is off and midway is 6 seconds on and full is 12 seconds which is the amount of time the unit feeds for. The off time or wait time is always 15 minutes. The CHLORTROL on the **ACID** side has a range from “0” which is off and midway is 6 seconds on and full is 12 seconds on which is the amount of time the unit feeds for. The off time or wait time is always 45 minutes.

- **Maintenance**

THE SINGLE DOSE CHLORINE UNIT MUST HAVE THE INJECTION POINT CHECKED AND CLEANED REGULARLY AS THEY CAN BLOCK.

- **Mains Cable**

Should the mains electricity supply cable ever become damaged in any way, the complete controller must be returned to the manufacturer or its authorised service agent.

- **Warranty**

The unit is covered by a 12 month Parts & Labour return to base warranty.

- **Caution**

When handling pool chemicals please refer to suppliers handling & care instructions.

Manufactured by Pool Controls.

Head Office: Perth
251 Balcatta Road, Balcatta, WA 6021.
Phone: 08 9344 7044
Fax: 08 9345 1816
Email: sales@pool-controls.com.au

National: QLD – Brisbane North – 0411 078 124
QLD – Brisbane South – 0411 078 126
VIC – 0411 078 127
NSW – 0437 078 115