

# CHLORTROL

## Installation and Operating Manual

### Models Available

**A1 Acid only dosing unit**

**C1 Chlorine only dosing unit**

**CA2 Chlorine & Acid dosing unit**

Manufactured in Western Australia by



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### **INTRODUCTION**

Congratulations on the purchase of your new CHLORTROL.

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 if not installed correctly you will not get the best results. Therefore please ask your dealer to explain anything which is not clear.

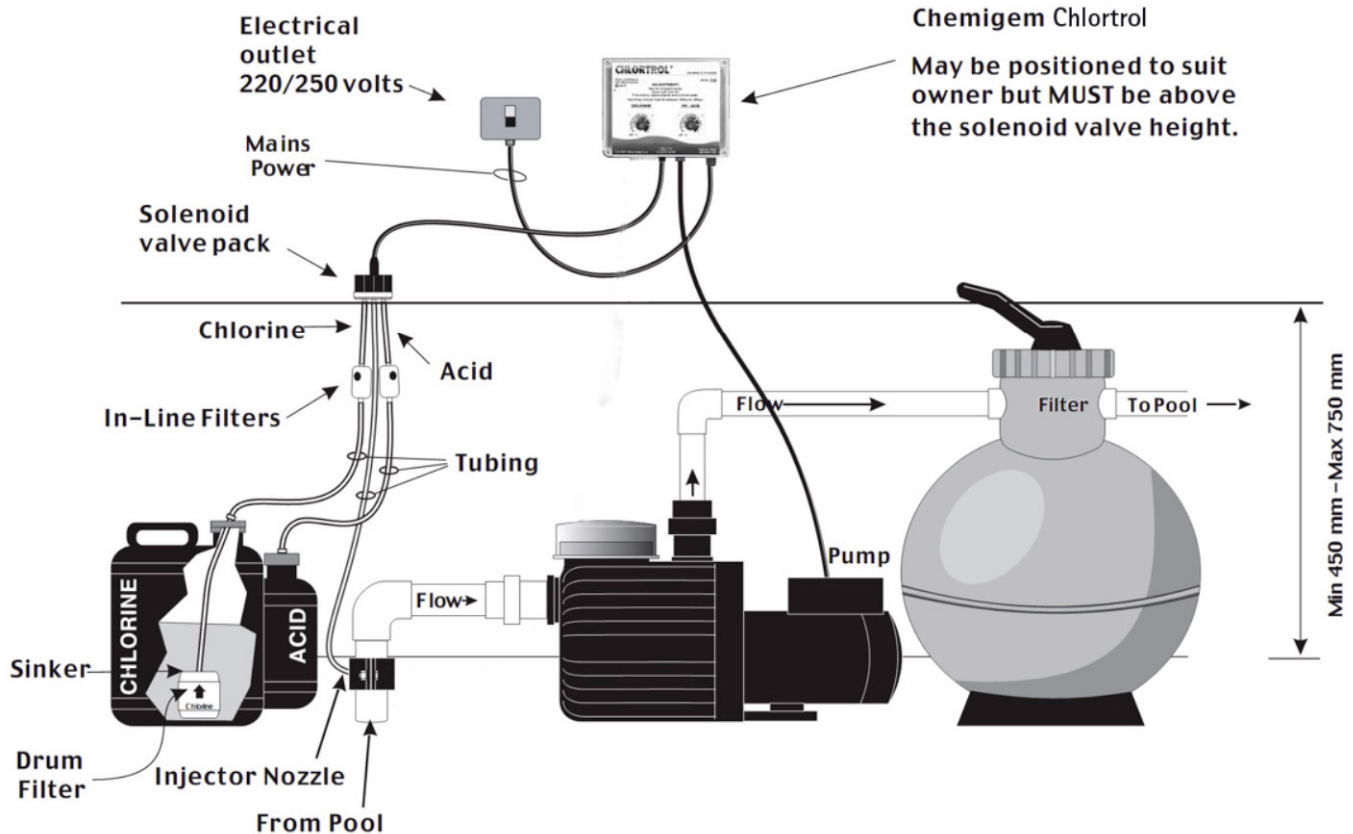
Understanding your CHLORTROL doser will make sure you get the very best performance from it, so please read your manual carefully.

# INSTALLATION

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

## Basic Installation

INSTALLATION DIAGRAM



The above diagram shows the basic installation. The principle behind the operation is to use the pump suction to draw chemicals through the solenoid valve when the pump is running. The pump inlet has a vacuum (suction or negative pressure) that will draw chemical through the valve and into the water flow.

### Electrical Supply

The CHLORTROL unit requires a supply voltage of 220/250Vac 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.

- **Caution**

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

## **WARRANTY**

### ***All Components***

Pool Controls undertakes to rectify, free of charge, any defects caused solely by faulty workmanship or materials occurring in the *Chlortrol* for a period of 12 months.

### ***Servicing In the Warranty Period***

The purchaser must provide proof of purchase that specifies the date to obtain warranty. In the event of any apparent malfunction during the warranty period, the purchaser of the *Chlortrol* should first read the installation and operating manual. If this does not solve the problem, Pool Controls should be contacted. During the warranty period, when an authorised technician is requested to service the unit at a location other than the company premises, a call out fee will be charged to cover travelling to and from the site and cost of operating the vehicle. The fee will not apply if the unit is returned to the manufacturer or distributor in your state for repairs.

If an authorised technician is required to service the unit and if it is found that such services are not covered by warranty, a charge for parts and labour will apply.

Where the unit is installed outside the normal service area, the purchaser shall be responsible for all costs and risk involved in returning the unit to the manufacturer for repairs and reinstallation.

### ***Warranty Exclusions***

Pool Controls accepts no responsibility under this warranty for damage including:

- Consequential damage resulting from misuse of the *Chlortrol*
- Incorrect usage of the *Chlortrol*
- The use of other than *Chlortrol* parts
- Where the installation of *Chlortrol* has not been done by a licensed plumber, electrician or person who has completed a TAFE or SPASA accredited course in swimming pool care and maintenance or a person with more than 12 months on the job learning or a person supervised by one of these people, in accordance with any written installation instructions provided.

The liabilities under this warranty shall not include any cost, contingent or otherwise, or liability for damage sustained by the customer or others, whether or not these costs or damages are due to the malfunction, wrong operation or actions by Pool Controls or the authorised representatives of Pool Controls, but shall be limited solely to the repair or replacement of the product.

POOL CONTROLS EXPRESSLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.