

Installation Instructions

General Information

The Chemigem[®] is manufactured from weather resistant materials and is designed for operation in full sun and rain. However all equipment will benefit from protection from both the sun and weather in that it will maintain its new appearance for a much longer period. The Chemigem[®] Power Supply needs to be in a well ventilated area as it is air-cooled. Installing the unit in a hot & closed shed or box may lead to overheating and the operation of the internal protective thermal cut-out.

Note that insect intrusion (particularly ants) can cause problems with all equipment – the owner should ensure that the pool equipment area is maintained as free of insects as possible. Insect intrusion is not covered under the warranty. When installing a Chemigem[®] unit in conjunction with a Heatpump or Gas Heater, or if the unit is to be installed below the water level, there are special considerations to be dealt with – a venturi or a peristaltic pump should be used – please refer to the Detailed Instruction Manual available as a web-based download.

For most installations please refer to the Installation Diagram on this sheet.

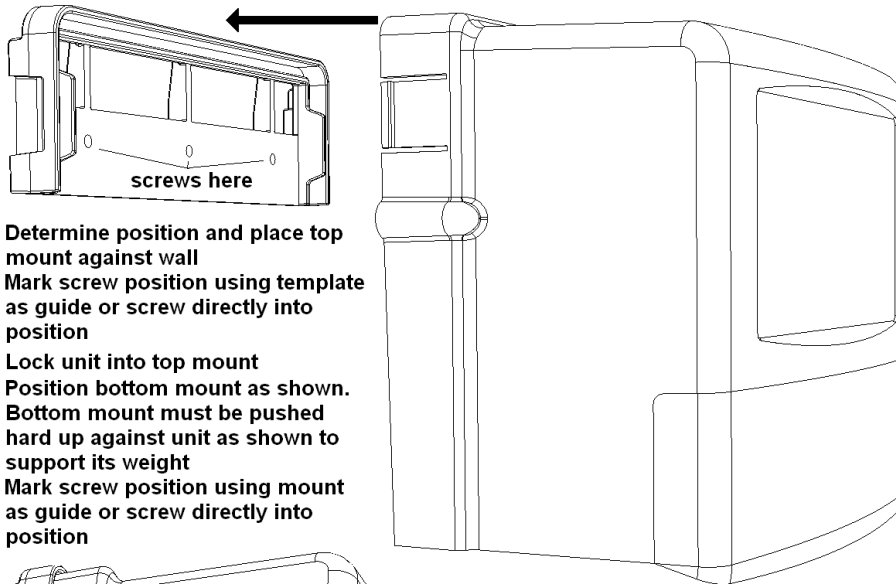
Installing the Chemigem[®] Power Supply

Choose a location for the Chemigem[®] Power Supply close enough to the filtration pump and plumbing so the valves and injection point can be connected / disconnected easily. The Chemigem[®] Power Supply should not be mounted in areas where chemicals are stored (eg acid and chlorine) as vapours from these chemicals are corrosive and may damage the electronic controls within the unit. Chemical drums should be as far from the unit as possible. Also ensure that the Chemigem[®] Power Supply can be connected to the mains power outlet of the pool area. Note that this outlet must meet the current applicable Australian Standard at the time of installation.

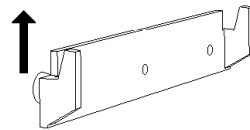
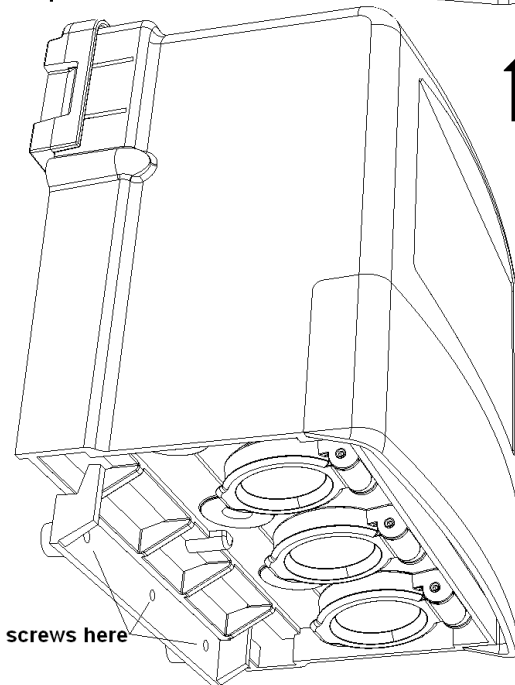
The Chemigem[®] Power Supply should be mounted vertically at least 1.5m above the ground and be at least 3 metres from the pool water. A simple mounting kit is provided for mounting against a brick wall or post.

The socket outlet in the base of the Chemigem[®] marked PUMP is dedicated to the filtration pump only. Do not use a double adaptor to connect another pump as this can overload the system and void warranty. All socket outlets are 240Vac.

If the power cord is damaged the unit must be returned to POOL CONTROLS or its Service Agent for repair.



- 1 Determine position and place top mount against wall
- 2 Mark screw position using template as guide or screw directly into position
- 3 Lock unit into top mount
- 4 Position bottom mount as shown. Bottom mount must be pushed hard up against unit as shown to support its weight
- 5 Mark screw position using mount as guide or screw directly into position



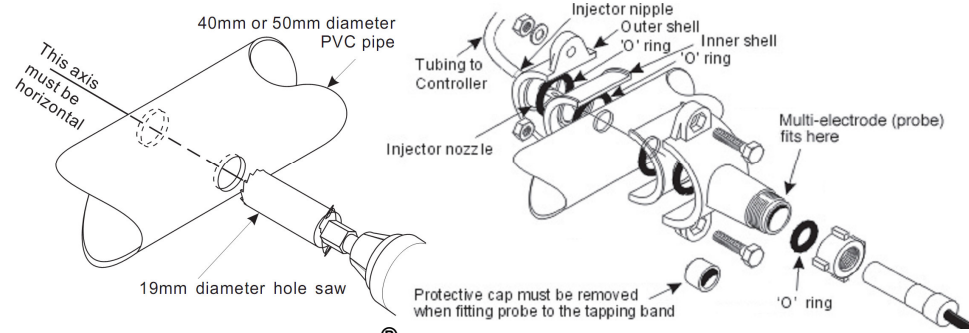
Mounting the Unit

Note that the unit should be mounted so that it is easily accessed and can be easily seen.

The unit should be installed at least 1.5m from the ground and be placed so that irrigation sprinklers do not spray onto it from any angle.

Installing the Chemigem® Injection Point or Tapping Band

The standard Chemigem installation requires good pump suction – ensure there are no air leaks in the suction line. The Injection point or Tapping Band is plumbed into the pool suction line just prior to the pool pump. The Multi-Electrode must be horizontal. The Injection Point can be installed vertically or horizontally. The Tapping Band requires the use of tools:



Installing the Chemigem® Solenoid Valve(s)

The valves must be fitted as near as possible to the tapping band. The valves must be screwed to a vertical surface above the top of the chemical drums and no more than 750mm from the ground so that the pool pump may easily raise the chemicals from the drums.

Installing the Chemigem® Multi-Electrode (Probe)

The probe is delicate and sensitive – handle with care. Note that grease and sealants can contaminate the sensing elements – DO NOT USE ! The Probe is inserted into the Tapping Band and held in place by the wing-nut. For an Injection Point installation the probe is fitted with a bayonet. Choose which side to install the Probe then insert and twist. Pull the Probe bayonet gently to ensure it does not retract.

Chemical Drums Installation (!! READ DRUM WARNINGS !!)

Refer to the cutaway diagram of chemical drums for a representation of the following: Ensure that the drums are clearly marked. Position the Chlorine and Acid drums in a safe and secure location about 2 metres from the Chemigem. Drill a 10mm hole in each of the screw-on drum caps (slightly larger than the diameter of the tubing) to allow venting to prevent the drum walls from being sucked in as the chemicals are used. Pass a length of supplied tubing through the hole in the appropriate drum cap. Place the supplied sinkers onto the tubing and attach the appropriate drum filter. When placing the tubing into the drums, measure the tubing against the outside of each drum so that the drum filter will be 10-15mm above the bottom of the drum and then apply several turns of PVC tape at a point above the cap to prevent the tubing from slipping further into the drum. Lower the drum filter and sinker into the drum and screw on the cap.

INSTALLATION DIAGRAM

