

INSTALLING YOUR HYDROKLOR SALT CHLORINATOR

The Hydroklor Power Pack should be wall mounted approximately 1 metre above ground level and preferably away from direct weather exposure.

The Electrolytic Cell must be installed in the return to pool line only and preferably in an upright position with the cell cap at the top for easy removal and service.

The Cell lead must be connected to the junction box under the Power Pack ensuring the coloured wires match and are tight.

The Pool Pump power lead must be fitted into the three pin socket situated under the Power Pack.

Only 240 volt AC power is to be connected.

Please note: Hydroklor Chlorinators are designed to operate on a 0.6% (6000ppm) salt concentration.

OPERATING YOUR HYDROKLOR SALT CHLORINATOR

Hydroklor SC Series Chlorinators are fitted with an easy to set manual time clock. Settings are in 15 minute increments.

Power to the chlorinator cell is controlled by a switch situated on the left side of the front panel.

Automatic or manual override of the pool pump can be selected via the timer switch situated on the right side of the front panel.

A power overload and reset button is situated below the time clock.

Chlorine production is monitored on a metre which indicates the cell operational efficiency. It also indicates the forward or reverse polarity of the cell current.

The metre needle should be adjustable between the centre vertical position and the red zone on the dial face. The centre vertical position indicates nil production, and the red zone indicates maximum production. Regulate production to suit chlorine demand.

Chlorine production can be increased or decreased by rotating the chlorine production dial. If needle fails to reach maximum green setting, test salt concentration and adjust to recommended level.

A needle that rises into the red zone could indicate an excess of salt in the pool water.

CELL MAINTENANCE

Hydroklor SC Series Salt Chlorinators are self cleaning. That is, the current flow is reversed between the cell plates each 12 hour filter cycle preventing calcium scale build up on the plates.

Whilst the self cleaning action is very efficient, some small deposits of scale might build up on the flow sensor and cut edges of the cell plates over an extended period.

Should this occur, it is recommended that the cell be removed and immersed in Scale Away cell cleaner. Avoid immersing the cell cap in the cleaning fluid to avoid damage to the internal electronics.

Cleaning of the cell is recommended every 3 months as a routine maintenance procedure.

WATER TREATMENT PARAMETERS

Your Hydroklor Salt Water Chlorinator will provide maximum sanitation protection when operated in conjunction with the following water balance parameters. Water should be tested regularly to ensure these levels are being maintained.

Alkalinity: 80 to 150ppm

pH: 7.2 to 7.6

Calcium Hardness: 170 to 200ppm

Salt: 0.6% - 6000ppm

Stabiliser: 35 to 50ppm

Free Chlorine: 1.5 to 3ppm

Note: Some manufacturers of Fibreglass, Vinyl or painted pools may vary these recommendations to suit warranty requirements.

Pool Covers: Avoid over chlorination (above 3ppm) when pool cover is fitted to prevent material and equipment damage.

TROUBLESHOOTING GUIDE

Low or nil chlorine production:

- Clean cell and check cable connections at junction box on power pack.
- Check salt concentration is 0.6% - 6000ppm
- Check water flow through cell is sufficient – clean filter and clear baskets
- Check if reset switch is engaged

Low or nil chlorine residual:

- Check stabiliser level
- Increase running time
- Clean cell
- Test and adjust water balance parameters

Water flow is low with excessive air through cell:

- Clean filter
- Clean pump and skimmer baskets
- Check water level in pool
- Check pump lid and barrel unions for faults and air leakage

When the above fails to solve the problem – consult a pool technician for remedial advice or technical service