

TRUE BLUE™ BLUE

CHLORINATOR

SALTPRO 20 30



MADE IN
AUSTRALIA

INDEX

3. INDEX & SPECIFICATION
4. INSTALLATION
5. PLUMBING
6. TIMER
7. OPERATION
8. WATER QUALITY
9. TROUBLESHOOTING
10. PARTS
11. WARRANTY

SPECIFICATION

Model No	SALT-PRO 20	SALT-PRO 30
Voltage Input	240V AC	240V AC
Amps Input	8.6A	9.0A
Frequency	50	50
Voltage output	8V DC	8V DC
Amps Output	9.5A	14A
Chlorine Production	20gr/hr	30gr/hr
Weight	8.5kg	8.7kg
Dimensions	27cm H 20cm W 17cm D	27cm H 20cm W 17cm D

Pump Outlet Rating for all model sizes 240V @ 8amps MAX

SAFETY

Warning: This handbook offers important details about how to set up, run, and utilise this product safely.

The owner and/or operator of this equipment should be informed of this information. This manual's safety guidelines and cautions must be followed to avoid serious injury and/or equipment damage. Read and abide by any cautionary statements and guidance provided in this manual. The chlorinator enclosure has internal live components. If opened, there is a risk of electric shock. To prevent a hazard, the manufacturer, their representative, or any similarly authorised person should replace the power cable if it is damaged. A qualified individual must install the product in line with AS/NZS 3000 wiring regulations.

The chlorinator must be placed in the appropriate position and connected to the power source through a power outlet protected by a residual current device (RCD) with a rated residual operating current of no more than 30mA. A level of protection appropriate for the zone should be present at the power outlet. Do not let anyone who lacks experience or expertise use this appliance unless they have received supervision or instruction on how to operate it in order to decrease the risk of injury. Only a trained pool service specialist should service the unit in order to avoid the danger of mishaps or incidents.

INSTALLATION

Position the chlorinator power module at least 1m above ground and at least 2m from the pool edge.

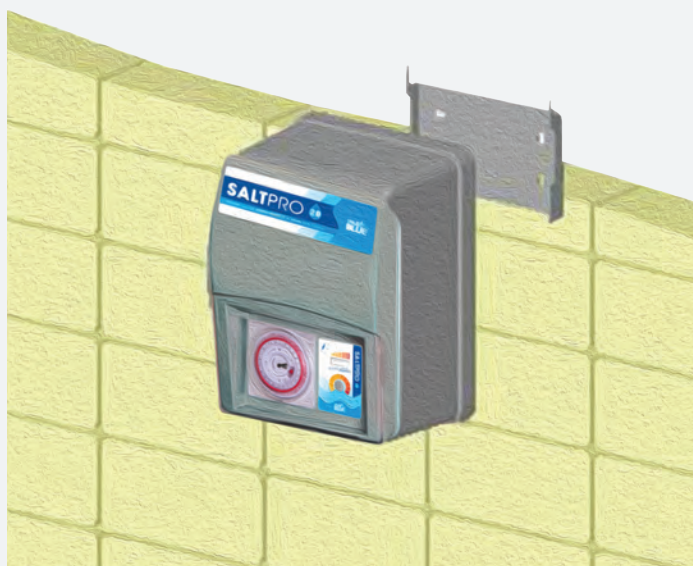
Mount the stainless steel bracket to a solid structure with the screws provided and fit the power module over the two raised pins on the bracket, secure with the 2 locking clips provided.

Protect the chlorinator module and cell housing from direct sunlight and rain where possible for extended life.

Connect the mains plug from the chlorinator power pack into a RCD Protected 240V mains 10A outlet.

Remove the WHITE J-Box Cover at the bottom of the Power module and connect the cell cable, RED to RED, BLACK to BLACK, WHITE to WHITE.

Connect the mains plug from the pump into the pump outlet on the bottom of the chlorinator power pack.



PLUMBING

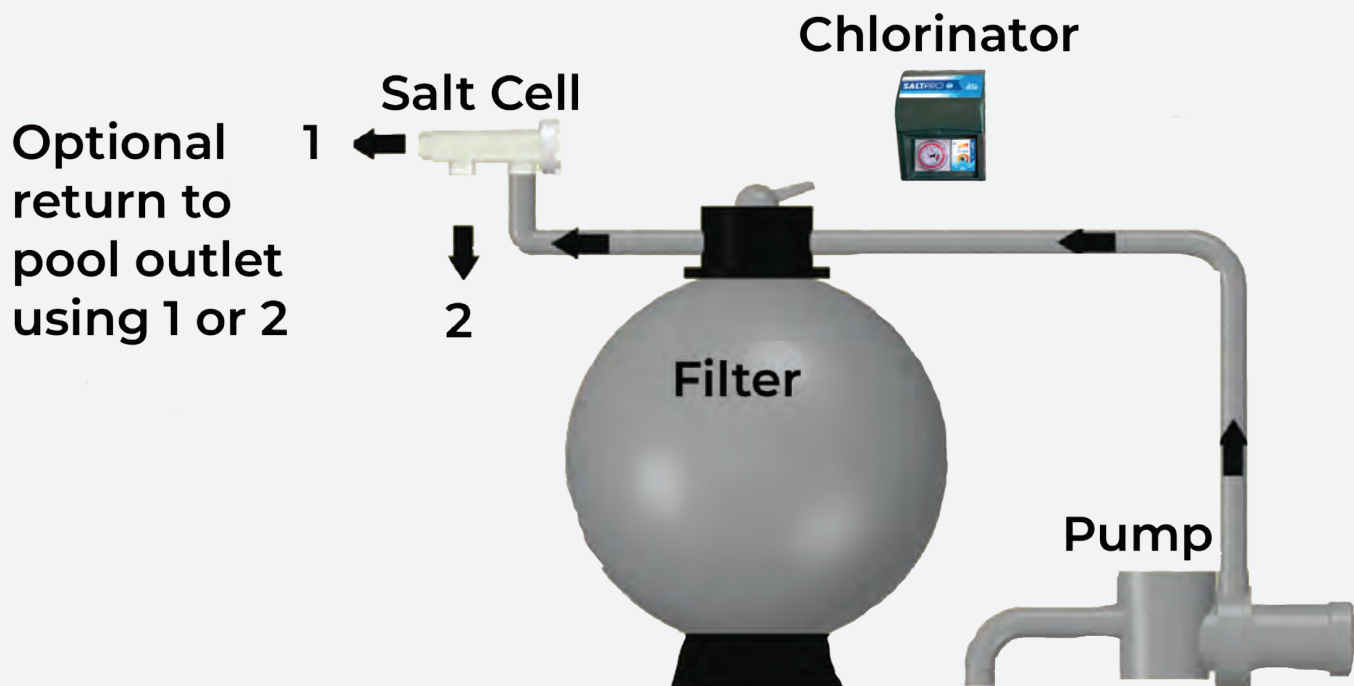
Plumbing should be performed by a qualified Plumber or a pool service technician where possible.

WARNING: Do Not apply Priming Fluid to the Clear Cell Housing

All pipe work should be primed with priming fluid before glue is applied, any high pressure PVC glue will work, make sure both surfaces are well coated before mating the connections as you will only have a few seconds before the glue bond will take.

Piping from the filter to the Cell should enter the pipe connection closest to the cell head as per the image below as this is where the water sense probe has been installed during manufacture.

NOTE: When plumbed from the other direction and used with variable speed pumps having very low flow rates the water probe may not get covered with water causing the chlorinator to display Priming Cell.



TIMER

Setting the Time

Remove the clear cover from the timer

To adjust the timer to correct time of day, turn the timer in a Clockwise direction, the Hour & Minute hands will start to move.

The illustration below shows the Time of day set to 4.30pm indicated by the arrow (6 = 6am, 12 = Midday, 18 = 6pm, 24 = Midnight etc)

Setting Operating Times

There are 96 levers around the face of the Timer, each lever will operate the chlorinator for 15 minutes, the illustration below shows operating times set for 6 - 10am and 4 - 8pm



OPERATION

Chlorine Control

The Control Knob on the front of the chlorinator is used for chlorine control, Fully anti-clockwise is 0% and fully clockwise is 100%. There are 10 LED segments to indicate percentage production, every LED segment = 10% chlorine production

Manual Operation

To manually operate the Chlorinator & Pump move the RED tab on the timer to the upper position



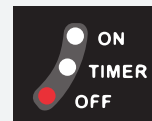
Automatic Operation

To Automatically operate the Chlorinator & Pump from the Timer settings move the RED tab on the timer to the middle position



Turn OFF

To turn the Chlorinator & Pump OFF move the RED tab on the timer to the lower position



The illustration below shows the chlorinator set for Automatic operation and chlorine production @ 50%



WATER QUALITY

Your water **BALANCE** should be kept within the following levels for trouble free operation

SALT - Sodium, Mineral or Magnesium

Measurement Interval - once a month

4000 mg/L

pH

Measurement Interval - once a week

7.2 - 7.8 Controlling your pH is most important so that you have good active levels of chlorine throughout the water, high pH above 8.0 will reduce the effectiveness of chlorine

When pH is high, Adding Hydrochloric acid will lower the pH

When pH is low, Adding Sodium bicarbonate will raise the pH

Stabiliser

Measurement Interval - Every 4 - 6 weeks

Stabiliser level should be kept between 30-70 mg/L, levels higher than this aren't required. Stabiliser should be measured by your pool shop every 4-6 weeks but most importantly in summer when UV levels are highest

Chlorine

Measurement Interval - once a week

Chlorine (Free Chlorine) should be measured once weekly and kept between 2 - 3 mg/L for effective disinfection, adjust the chlorinator output percentage or the pump run time to either increase or decrease this level as required

Total Alkalinity

Measurement Interval - 4 -6 weeks

80 - 150mg/L

Calcium Hardness

Measurement Interval - every 3 months

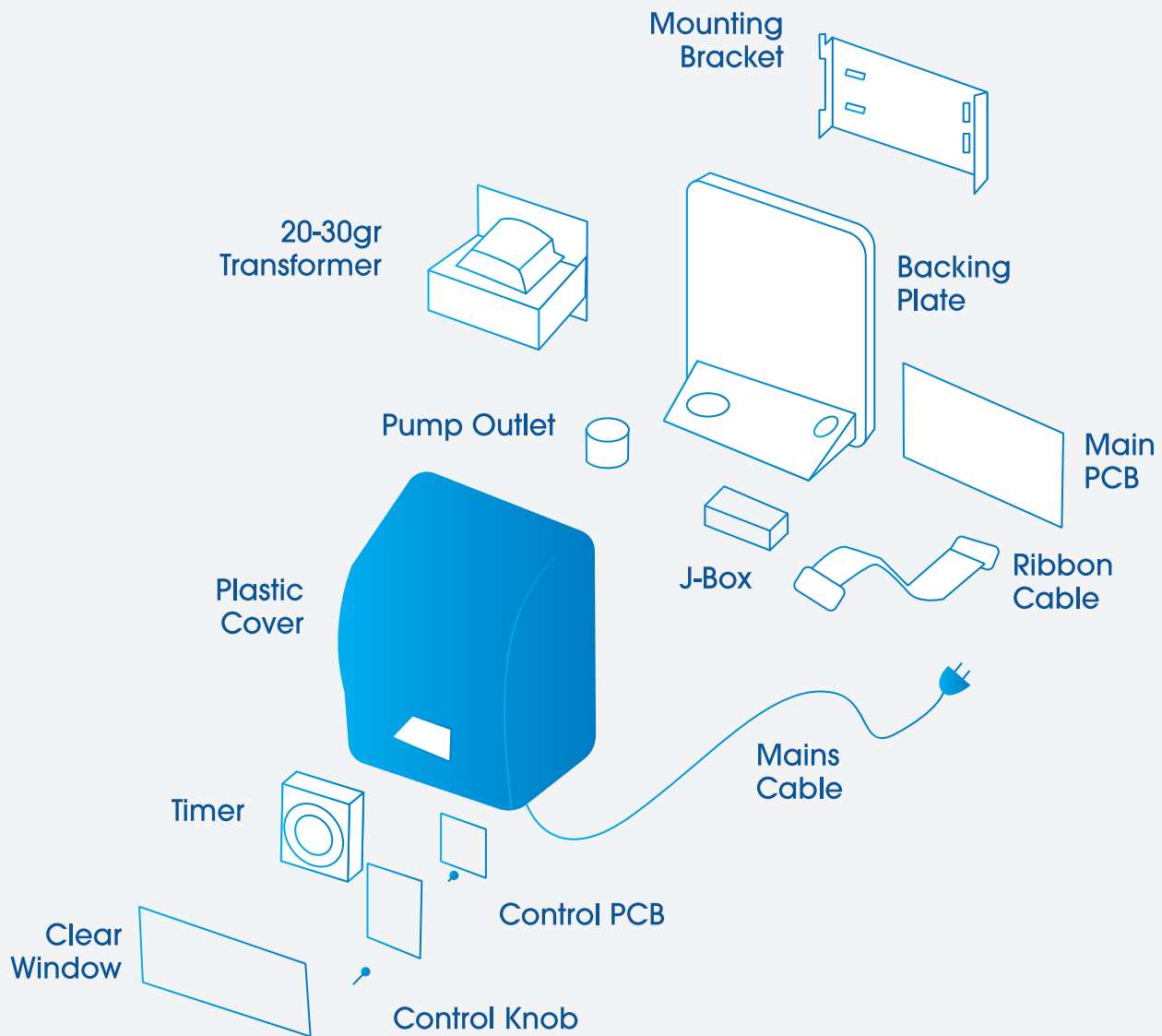
175 - 300mg/L

TROUBLESHOOTING

Before troubleshooting, remove power from the chlorinator by turning off at the wall or removing the mains plug, wait for 10 seconds then re-apply power, this will reset the internal processor to its default state.

PROBLEM	CAUSE	REMEDY
Lights are scrolling 0 - 100%	Priming cell No water is flowing through the cell	Make sure water is flowing through the cell, pump may not be operating
Chlorine output will not reach 100%	Salt level not high enough	Salt level should be 4000mg/L
	Water temp is low	Winter water temps will reduce output
	Cell has too much calcium deposit on plates	Clean the cell with cleaning solution or high pressure hose
	Cell could be at end of life	If salt level is correct, water temp is high and cell is clean you may require a new cell
No chlorine measured in the water	Not enough Stabiliser in the water	Add Stabiliser until you have 30 - 70mg/L
	Chlorinator isn't operating long enough or at high enough output	Increase operating hours or percentage output
	Dirty cell	Clean the cell with cleaning solution or high pressure hose
Lights are Flashing	Lights will flash when the chlorinator is turned ON	No action required
	Lights will flash when you have a high salt condition	Reduce salt level to 4000mg/L
Lights are Flashing and output will only acheive 70%	Auto power reduction due to High salt condition 5000mg/L or above	Reduce salt level to 4000mg/L
Pump is always ON	The pump may have been connected to the mains before the chlorinator	Make sure the pump is plugged into the 240V socket on the chlorinator
	Tab on the TIMER has been set to the wrong position	See page 7 for instruction

TROUBLESHOOTING



Part No	Description
1.	Mounting Bracket
2.	Backing Plate
3.	20 - 30 -40gr Transformer
4.	Pump Outlet
5.	Timer
6.	Clear Window
7.	Control Knob

Part No	Description
8.	Control PCB
9.	Plastic Cover
10.	J-Box
11.	Mains Cable
12.	Ribbon Cable
13.	Main PCB
14.	Control Label

WARRANTY

- True Blue Chlorinators must be installed by a qualified person (pool retailer, pool service person or pool builder) otherwise warranty claims will be void.
- Before contacting Pool Systems for a warranty issue, please check the troubleshooting guide on page 9.
- The majority of issues can be resolved while the unit remains in position. Please don't remove the unit unless you have already contacted Pool Systems via the service hotline 1300 82 7665 (1300 TBPOOL).
- In very limited situations, you may be advised to return the unit or parts of the unit. This should only be done with the express approval in advance from Pool Systems.
- Your True Blue Chlorinator carries the following warranty should a fault occur due to faulty materials or manufacture:
 - Pool Systems warrants the original purchaser of the control panel and cell electrode, whether for personal or commercial use, for a period of (see warranty period below), from the date of purchase should the purchaser disclose that this particular equipment failed due to faulty materials or manufacture.
 - The equipment under warranty claim must be returned to Place of Purchase for repair or replacement.
 - The warranty does not apply to any material supplied or workmanship performed by others in the process of installing the equipment. Nor does it apply if the equipment has been repaired or altered by anyone other than Pool Systems personnel or Pool Systems Representative. This warranty does not apply if the equipment has been subject to misuse or misapplication.
 - The warranty applies to materials and manufacture only. This warranty does not cover an act of God, i.e. storm and tempest, lightning strike, floods, tsunami, earthquake etc.
 - Pool Systems or its agent will replace at no charge, all parts, which show faulty materials or manufacture faults. The foregoing constitutes the entire liability of Pool Systems to the original owner of the equipment.
 - There are no other warranties, expressed or implied, including but not limited to the implied warranties of merchantability or fitness for a particular purpose other than those contained herein.
 - In no event will Pool Systems Pty Ltd be liable to the original or subsequent owners either directly or as an indemnitor, or any direct, incidental or consequential loss, damage or economic loss, damage or injury to any person or property arising out of or relating to the equipment or any parts supplied in the equipment, except as expressly stated herein.
 - No other person, or company or organisation is authorised to make any warranties, guarantees or representations, or allowed to allow any exceptions to the warranty, or assume any other liability or obligation on behalf of Pool Systems Pty Ltd in connection with the equipment. This warranty shall not extend to any expenditure incurred.

Warranty Period

Domestic	Power Pack	3 Years
	Cell Electrode	3 Years
Commercial	Power Pack	3 Years
	Cell Electrode	1 Years





TRUE  TM
BLUE

www.trueblueleisure.com.au

1300 TB POOL
8 2 7 6 6 5