

91.05.09

PURICHLOR CHLORINE
GAS GENERATOR
MODEL RP20

OUTPUT - 310 GRAMS OF HYPOCHLOROUS ACID PER 24 HOURS

CAUTION: THIS UNIT MUST BE SERVICED BY AUTHORIZED PURICHLOR
DEALERS ONLY

REGISTRATION NUMBER: 20652

PEST CONTROL PRODUCTS ACT

MANUFACTURED BY: PURICHLOR TECHNOLOGY LTD.
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Maintaining your pool or spa water with the Purichlor RP-20
Chlorine Generator

IMPORTANT! To ensure clean, crystal clear, perfectly balanced
pool and spa water, please read and follow these instructions!!!

6 Checks for Properly Balanced Pool Water.

CHEMICAL CHECKS	CORRECT LEVEL	WHAT TO DO
1 pH A measure of how acid or alkaline pool water is. Must be kept within narrow range or water will produce eye irritation. If pH is too high, it greatly reduces cleansing power or chlorine leading to high chlorine use (and higher running costs!!).	7.5 - 7.8	Initially test every day until the desired range is reached. Thereafter check before chlorine residual is measured. Control by maintaining Total Alkalinity (See below)

<p>2 CHLORINE (Free Available Chlorine (FAC)) Your Purichlor unit takes care of this. A Warning Light and buzzer are activated if chlorine levels are too high or low. (See "TROUBLE SHOOTING").</p>	<p>1.5 - 3 ppm</p>	<p>Your Purichlor unit will keep chlorine at proper levels. Initially test every day then once a week after adjustment is made.</p>
<p>3 TOTAL ALKALINITY (TA) A measure of water's ability to resist pH change. By maintaining Alkalinity at the correct level, the pH will stay within the acceptable range.</p>	<p>100 - 150 ppm</p>	<p>Add Sodium Bicarbonate* (baking soda) to raise Alkalinity (and pH). 0.6804 Kg (1.5 lb.) per 37,854 litres (10,000 gallons) for every 10 ppm, needed. To lower, add muriatic acid or sodium bisulphate.</p>
<p>4 CALCIUM HARDNESS (CH) Water that is too soft will tend to corrode pool walls and equipment. Too hard, and cloudiness or scaling may result.</p>	<p>150 - 350 ppm</p>	<p>Have pool water analyzed by your pool store at least once a season. More frequently, if you live in a very hard or very soft water area, or in a high rainfall or high evaporation area.</p>
<p>5 STABILIZER (CYANURIC ACID (CA)) Cyanuric acid stabilizes the chlorine to reduce breakdown by ultra-violet light in sunlight. If stabilizer levels drop, chlorine use increases dramatically.</p>	<p>80 - 100 ppm</p>	<p>Have pool water analyzed by your pool store at beginning of season. More frequently in high rainfall areas. If too high, drain some of your pool water and add fresh water.</p>
<p>6 TOTAL DISSOLVED SOLIDS (TDS)) Amount of solid material dissolved in pool water. If too high, pool becomes difficult to disinfect and keep algae-free.</p>	<p>Less than 1500 ppm</p>	<p>Have pool water analyzed by your pool store at beginning of season. If too high, drain some of your pool water and add fresh water.</p>

* Keep a 22.68 Kg bag of baking soda on hand at all times. That's enough for one season for an average pool.

Your Purichlor unit AUTOMATICALLY manufactures and feed chlorine gas to your pool water as it is needed, removing much of the drudgery of pool maintenance.

But there is more in your pool than just water and chlorine. Pool water is a complex chemical mixture that must be properly maintained to keep it clean, safe, and pleasant to swim in.

TRUBLE SHOOTING: Your Purichlor Chlorine Generator includes a sophisticated, self monitoring control system that signals when something is wrong and needs attention. Indicator lights are lit on the power supply and in some cases, an audible warning sounds.

The following instruction are A GUIDE TO WHAT TO DO IN THE EVENT OF TROUBLE.

CHLORINE TOO HIGH/LOW:

1. Check pH. If pH is 7.2 or lower, RAISE pH WITH SODIUM BICARBONATE. Chlorine level will be low due to the nature of the unit. DO NOT MOVE CHLORINE SETTING ON POWER SUPPLY!!.

If pH is within correct range:

2. ADJUST CHLORINE LEVEL Chlorine level is adjusted by turning the knob on the side of the power supply. Clockwise to lower chlorine level, counter-clockwise to raise chlorine level.

Turn knob 1/4 turn each day until desired chlorine level is reached.

ADD WARM ALARM: See instructions on ADD WATER VALVE.

SERVICE UNIT ALARM: When the SERVICE ALARM sounds, turn off the POWER SUPPLY and call your authorized Purichlor Dealer.

NO VACUUM ALARM: Call for service ONLY after checking each item on following list:

CHECK	SOLUTION
1. Add Water Valve Open or cap not secure.	Close Valve and tighten anode cap.
2. Total Alkalinity too low.	Test and bring to proper level.
3. Dirty or clogged Pump/Filter.	Backwash/clean filter and pump strainer.

LEAVING YOUR POOL UNATTENDED FOR LONG PERIODS (UP TO ONE MONTH)

1. Check liquid level in CATHODE. IF LEVEL IS WITHIN 5 cm (2 INCHES) FROM TOP, have your unit serviced by an authorized Purichlor Dealer before you leave.
2. Arrange for your Purichlor Dealer to check your unit and test the chlorine level in the pool while you are away.
3. Be sure that Total Alkalinity of the water is at least 150 ppm. This will ensure the pH level will be in the correct range for the duration of your absence.
4. Upon your return, check free available chlorine and pH levels BEFORE using your pool.

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