

AQUARITE

Electronic Chlorine Generator

Addendum to the Installation
& Operation Manual
for
Commercial Pools & Spas

GOLDLINE
CONTROLS INC.

East Greenwich, RI 02818 USA

092019B

1. **State Health Codes:** Check with and abide by all regulations from you local and/or state health authority. The chart on pages 3 and 4 contains a summary of some of the pertinent regulations and also indicates which states have specifically approved the Aqua Rite for use on commercials pools and spas. It is always a good idea to check the latest version of the actual codes.
2. **Safety Approvals:** The Aqua Rite Electronic Chlorine Generator is certified by NSF (visit www.nsf.org) and has also been approved my many state and local health authorities. In addition, the Aqua Rite is UL Listed (file E170511).
3. **Sizing:** Many states have specific requirements regarding the amount of chlorine that must be delivered to the pool--refer to the Commercial Installation Information table on pages 3 and 4 or the actual code for your state. The Aqua Rite produces 1.45 lb (.67 Kg) of chlorine per 24 hours.

Pools with backup system meeting code requirements

Most states allow systems to follow these sizing guidelines provided that an approved supplemental automatic chlorine device (eg a tablet erosion feeder or similar device) installed.

Gallons of Pool Water	Number of Devices
0 - 25,000	1
25,000 - 50,000	2
50,000 - 75,000	3
75,000 - 100,000	4
100,000 - 125,000	5

Pools without backup system meeting code requirements

Multiply the pool size by the code requirement to determine the required daily chlorine production. Then divide this number by 1.45 lbs (the amount of chlorine the Aqua Rite produces each day) to determine the number of Aqua Rite units required. Example: A 56,000 gallon pool in Florida which requires 1.5 lbs of chlorine for every 10,000 gallons.

$$56,000 \text{ gal.} * (1.5 \text{ lb} / 10,000 \text{ gal.}) = 8.4 \text{ lbs of chlorine per day}$$

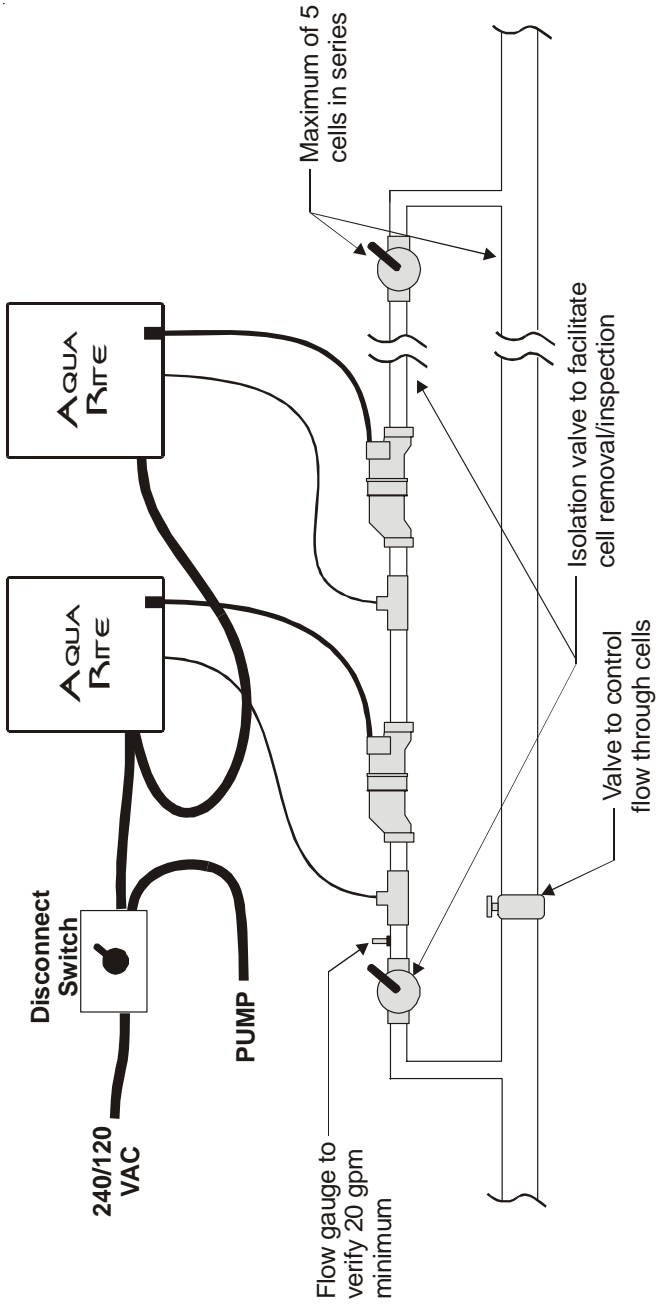
$$8.4 \text{ lbs} / (1.45 \text{ lb}) = 5.8 \text{ Aqua Rite units (always round up, 6 units are required)}$$

4. When multiple Aqua Rite units are used in a single installation they should be installed in a bypass loop (side stream installation). Each cell should have a flow switch. The cells may be installed in parallel (page 6) or up to 5 cells may be installed in series (page 5). Aqua Rite cells can also be installed in a series/parallel combination.
5. See the back cover of this addendum for the Aqua Rite warranty for commercial installations.
6. For more information regarding the Aqua Rite visit **www.goldlinecontrols.com** or call the Aqua Collection Tech support group at 888-921-7665.

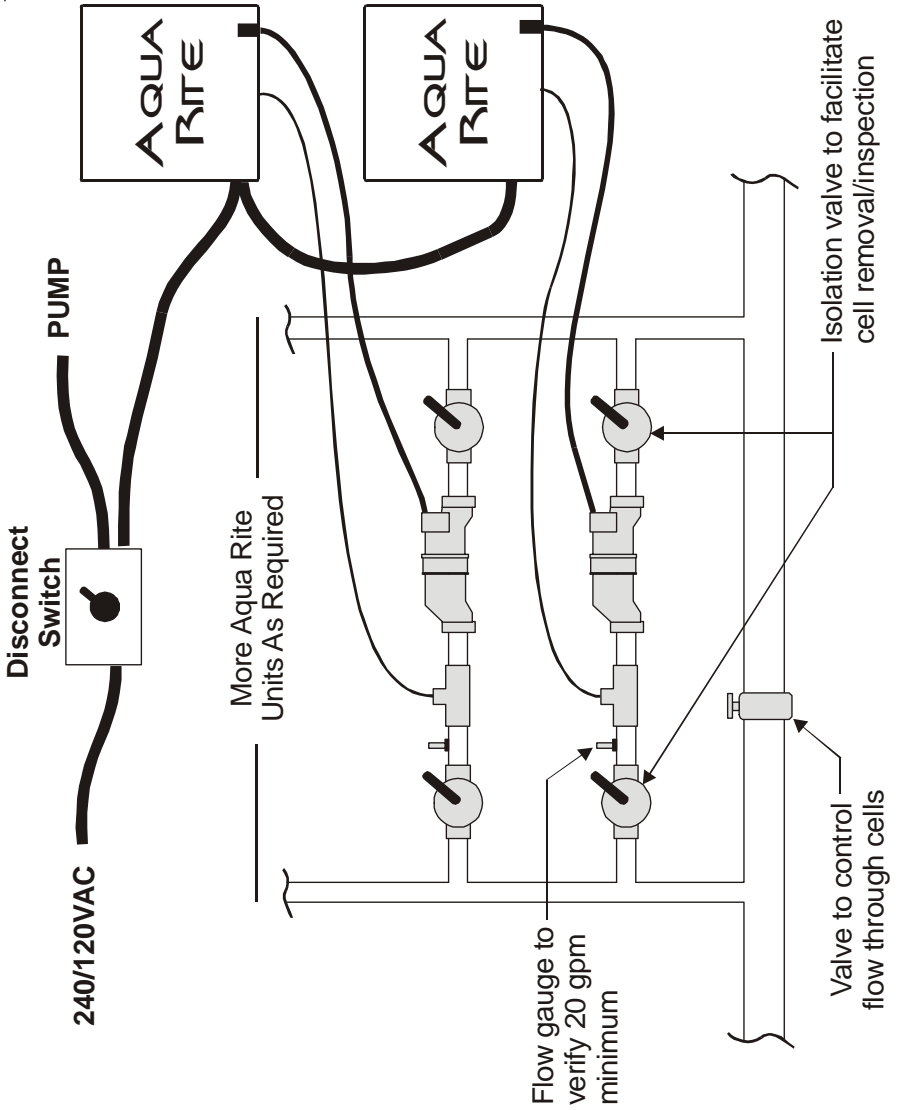
Commercial Installation Information

State	Aqua Rite Approved	Required Chlorine Level	Use Standard Sizing with backup	Required Sizing without backup	Stabilizer (CYA) allowed	ORP	NSF approval req'd	Comments
Alabama		0.25 min			NSPI std.			
Alaska		2.0 -- 10.0			100ppm max.			
Arizona		3.0 -- 5.0			150ppm max.		NSF certified	
Arkansas		2.0 -- 5.0			100ppm max.			
California			YES	2 lbs. / 10,000 gallons				Plan approval req'd, multiple units used sidestream install
Colorado					20 --100	250mV min., 900mV max.	meet NSF std.	
Connecticut	Pending	1.5 min. with stabilizer	YES		100 max.		meet NSF std.	
Delaware		2.0-10.0			100 max.		meet NSF std.	
Florida	YES	1.0 -- 5.0	YES	1.5 lbs. / 10,000 gallons	100ppm max.		meet NSF std.	
Georgia		1.0 -- 5.0					meet NSF std.	
Hawaii		0.6 min.						
Idaho		1.0 -- 5.0			100 max.			
Illinois		1.0 -- 4.0			100 max.	650mV min.	meet NSF std.	
Indiana		1.0 min.			100 max.		state approval	
Iowa		1.0 -- 5.0			100 max.		meet NSF std.	
Kansas		2.0 -- 5.0			100 max.		meet NSF std.	
Kentucky	YES	1.5 -- 2.5 with stabilizer			25 -- 50		NSF certified	
Louisiana		0.4 -- 0.6					meet NSF std.	
Maine		1.0 -- 3.0			30 --150	650mV min.		
Maryland	YES	1.5 -- 10.0	YES		30 --100	period calibration, daily manual chk.	state approval	
Massachusetts	YES	1.0 --3.0	YES		30 --100	daily manual chk		
Michigan		pH<7.6: 0.4 min. pH>7.6: 1.0 min.			100 max.			
Minnesota		0.5 -- 5.0			100 max.			
Mississippi		1.0 -- 5.0						
Missouri		0.4 min.				supply 10 ppm		
Montana		1.0 -- 3.0			150 max	650 mV min		
Nebraska		1.5 min. with stabilizer			70 max			
Nevada		1.0 -- 5.0			100 max		meet NSF std.	
New Hampshire	YES	1.0 -- 3.0	YES		OK			
New Jersey		outdoor: 1.0 -- 4.0 indoor: 1.0 -- 3.0			100 max			
New Mexico		04. -- 1.5			100 max		meet NSF std.	
New York					not allowed		NSF certified	
North Carolina		0.4 min.			40 recommend		NSF certified	
North Dakota								
Ohio	YES	1.0 min.	YES		100 max	650 mV min check daily	NSF certified	max. 3000 ppm salt
Oklahoma		1.0 -- 5.0			30-100		NSF certified	
Oregon		1.5 -- 5.0			30 -- 150		NSF certified	
Pennsylvania		0.4 min.			100 max		meet NSF std.	
Rhode Island								
South Carolina	YES	1.0 -- 5.0	YES	1 lb. / 10,000 gal	200 max		NSF certified	
South Dakota					40 recommend			
Tennessee		0.5 -- 3.0			100 max			
Texas		1.0 -- 8.0			100 max	650 mV min	meet NSF std.	
Utah		0.3 -- 0.5			10 - 100		NSF certified	
Vermont	YES	2.0 -- 5.0	YES		100 max		meet NSF std.	
Virginia		1.0 -- 3.0						
Washington		1.5 min. with stabilizer			25-90	use DPD test daily	NSF certified	
West Virginia		1.0 -- 3.0			30-100		NSF certified	
Wisconsin		1.0 min.			25-100	daily manual chk.		
Wyoming		1.5 -- 10.0			10-100	650 mV min	NSF certified	

Typical Installation - Cells in Series



Typical Installation - Cells in Parallel



Aqua Rite® One Year Limited Warranty (for commercial installations)

This warranty statement is applicable to all *Aqua Rite* units with product date codes of January 1, 2002 and after, and supersedes all warranty statements dated prior to January 1, 2002. This Limited Warranty applies only to *Aqua Rite* and *Aqua Trol* Electronic Chlorine Generators. Refer to the appropriate limited warranty statement for all other Goldline Controls products.

The Limited Warranty for installations on any non-residential pool, including but not limited to commercial pools, public pools, and all pools located outside the USA and Canada, is **one year** from date of the initial system installation, provided it is installed in accordance with the installation instructions and specifications. If written proof of the date of the initial system installation is not available, the manufacturing datecode on the *Aqua Rite* electronics unit will be the sole determinant of the date of the initial system installation.

If a product is defective, in workmanship or materials and is removed within 1 year (12 months) after the date of the initial system installation, and is returned freight prepaid, Goldline will, at it's option, either repair or replace the defective product and return it freight prepaid. Goldline will not assume any of the cost incurred in removal or reinstallation of the product.

Replacement parts

If a purchased replacement part is defective, in workmanship or materials and is removed within 1 year (12 months) after the date of purchase, and is returned freight prepaid, Goldline will, at it's option, either repair or replace the defective purchased part and return it freight prepaid.

Warranty exclusions

1. Material supplied or workmanship performed by others in the process of installation
2. Damage resulting from improper installation.
3. Problems resulting from failure to operate the products in accordance with recommended instructions contained in product's owners manual.
4. Problems resulting from failure to maintain pool water chemistry in accordance with recommended levels.
5. Problems resulting from installing less than one *Aqua Rite* unit per 25,000 gallons.
6. Problems resulting from tampering, accident, abuse, negligence, unauthorized repairs or alterations, fire, flood, lightning, freezing, external water, war, or acts of God.

The express warranty above constitutes the entire warranty of Goldline Controls, Inc with respect to the *Aqua Rite* and *Aqua Trol* products and IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL GOLDLINE CONTROLS, INC. BE RESPONSIBLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY NATURE WHATSOEVER.

No wholesaler, agent, dealer, contractor, or other person is authorized to give any warranty on behalf of Goldline Controls, Inc. This warranty is void if the product has been altered in any way after leaving the factory.