

Proper Test Strip Reaction

For best results using the test strips, check the expiration date and the bottom of the bottle. We recommend using up the strips in one year (expiration date is two years).

Your Wave system comes with a water sample container. Pour the water sample to be tested into the water sample container, about ½” from the top. NEVER dip the strip vertically into a water bottle. This may cause inaccurate test results due to water running down from one test pad to another.

Remove one test strip from the bottle and replace cap. Hold the test strip as in figure 1. Dip the strip into the water sample for 2 seconds, see figure 2.

Slowly remove the test strip from sample water. Removing the strip from the water sample slowly will leave a slight glaze of water on the pad surface. Removing the strip quickly will cause water bubbles or excess water to accumulate on the pads.

Next turn the pads face up and click the “Start Timer” button displayed on the screen.

When time has expired, carefully place the test strip into the “right” channel of the white tray of the scanner. The test strip should be aligned between the four little guide tabs and completely forward. Slide white tray in (black scanner) and click “Scan Strip”. (the white scanners tray automatically slides in when the “Scan Strip” button is clicked.

Fig. 1

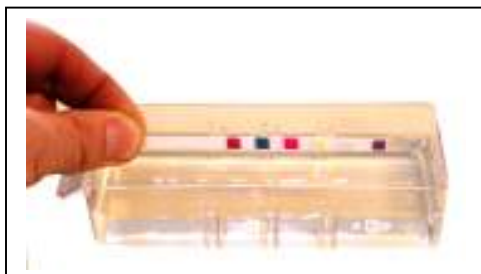


Fig. 2



Modifying chemical product names, dosages, and application text

To customize a particular chemical line so the chemicals you carry are recommended on the printout.

1. Recall a customer record, which is on the chemical brand you wish to modify.
2. NOTE: to access a chemical line for pool or spa, the customer record must be complete, gallons, chemical line, sanitizer, etc.
3. Next Click on the “Product Catalog” button, then click “Pool Products. NOTE: to access the spa brand, first go to the “Today’s Test” page and click “Spa”. Return to the “Products Catalog”. Spa Products will be checked.
4. At the window, which asks “List all Products, including those disabled” click “No”. Disabled products are for advanced modifications.
5. The “Pool Products” list will appear for the brand you wish to modify.
(see figure 3, next page)

Fig. 3

Pools?	Spas?	Descr	Brand	Product	Product Type	SanitizerType
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Black Algae	Algae	3-1. Black Alg
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Green Algae	Algae	1-1. Green Al
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Mustard Algae	Algae	2-1. Mustard /
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Pink Algae	Algae	4-1. Pink Alga
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Water Mold	Algae	5-1. Water Mo
<input type="checkbox"/>	<input type="checkbox"/>	ABC Brand	Generic Pool	Alkalinity Decreaser	Alkalinity Decreaser	
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Alkalinity increaser	Alkalinity increaser	
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Anti-Foam	Anti-Foam	
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Borate Plus	Borate Plus	
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Borate	Borate	
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Buildup Remover	Buildup Remover	
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Calcium increaser	Calcium Hardness	
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Chlorine Shock	Chlorine Shock	Chlorine Shoc
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Chlorine Shock	Chlorine Shock	Chlorine Shoc
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	can't see btm	Clarifier	3-1. can't see
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Cloudy	Clarifier	1-1. Cloudy
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	oily water	Clarifier	4-1. oily water

Modifying Chemical Product Names, Dosages and Brand Names

Each of the displayed columns contains specific information regarding the chemicals.

Pools? Spas? : Are used to turn on or off a particular product used in that brand. The Pools column is for pool brands and all the Spas? will be unchecked. Same when displaying the Spa brands of chemical line.

Desc: This column is used to enter a different chemical brand name within your main line. You may wish to use SeaKleer clarifier with your Regal line.

Brand: This is the brand name and may never be changed. Any brand changes are done in the **Desc** column. An **Aux** is a wild card, and will be displayed in every Brand.

Product: This is the actual product name (which is on the label, like pH Increaser). This column of names can be changed to represent products on your shelves.

Product Type: This column displays a coded name, which the program uses to identify What the product is used for. You may not change this column.

Sanitizer type: As with the product Type, this is a coded column, cannot be changed.

Dosage: This column displays the dose for that particular product (as per label instruction). May be changed.

Unit: This column displays the unit of measure the products is dispensed (qts, ozs, gls, etc)

Effect: This column displays the amount a particle chemical raises or lowers a tested parameter. (1.5 lbs of total alkalinity increase raise the total alkalinity “10 ppms” per 10,000 gallons.

Volume: This column displays the “volume” that is part of the dose on the product label (1 qts for every 5,000 gallons of pool water).

Choice: coded information for the program. Cannot be changed.

Instruction: This column displays the name of the text files associated with each chemical.

Modifying Text Files

1. Double click anywhere on the record line you wish to modify.
2. Click yes to modify application text.
3. Application text will be displayed in Windows Word Pad.
4. Make sure the top rulers and page margins are on and set to .5 left & right margins.

CLOUDY water can result from improper filtration and circulation, high alkalinity, or accumulation of particulate matter. Check your pump for proper circulation and make sure the filter is clean.
Add [Dose] to restore sparkle and clarity to your pool.

Above is the text file when water condition was “very cloudy”.
Any of the text may be altered to suite the individual dealer.
You can not change the “ [Dose] “. This is the dose & product name for that test.

Modifying Weekly Maintenance Text Files

1. Locate the sanitizer you wish to modify the text for.
2. Double click anywhere on the record line.
3. There are 2 text files associated with the sanitizers. The first one is used for regular daily dosing. The second one is the “maintenance text file.

Maintenance is important and an ideal sanitizer level is key to an algae and bacteria free environment.
Fill your [Method] with [Dose] as needed and adjust to maintain 1-3 ppms.

WEEKLY:

1. Add [38] by broadcasting over the water surface.
2. Add [37] to prevent the growth of algae.
3. Add [39] to keep you water sparkling clear.
4. Add [40] to prevent staining on wall surfaces.

As with the standard text files, do not alter anything in brackets [Dose] [Method] or [38]

The maintenance chemicals themselves are represented by the [38] values.
By looking at the products catalog under the Sanitizer Type column, find the maintenance chemicals associated with [38]. That will be the chemical name & dosage, which will be displayed in the text file.

Adding or Removing a Chemical Brand

You may add a new chemical brand to your line of chemicals or remove an old one.

Note: When turning on a chemical line, you will be activating the complete chemical products for that brand. Do not add a complete chemical line if you are using just a few products from that brand (if using Brand A's tablets, add "Brand A to the "desc" column of you main product line). See above "**Modifying Chemical Product Names, Dosages and Brand Names**"

1. Click on the "Product Catalog" button, and then click "Pool Products".
2. At the window, which asks "List all Products, including those disabled" click "No".
3. The "Pool Products" list will appear.
4. Next click on the yellow button "Select/De-select Chemical Lines"
5. A list of all the chemical lines in our system will be displayed. (see figure 4)
6. Locate the brand you wish to add or remove.
7. When adding a pool brand, make sure you click to box under the "Pools?" column. You may not use a pool chemical line for spas.
8. After checking or un-checking the box, you must click on another area of the grid to save the change. You will notice a "pencil" icon (figure 4) at the extreme left column, when you choose a chemical brand. Click onto any empty box under the "Descr" column, the pencil icon will disappear (see figure 4a). The change is now saved.
9. Click "close" to return to the customer detail screen.

Do Not click the Add, Delete, buttons at the bottom of the screen!

Fig. 4



Pools?	Spas?	Descr	Brand	Product	Product Type	Sanitizer
<input type="checkbox"/>	<input type="checkbox"/>		Clor-Mor	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		Diamond	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		E-Z Pool	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		E-Z Spa	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		Eastern Leisure	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		Enjoy	Brand Name	Brand Name	1
<input checked="" type="checkbox"/>	<input type="checkbox"/>		EZ Clor	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		Focus	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		FreshWater Spa	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		Generic Spa	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		GLB	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		Haviland	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		HTH	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		Ideal	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		Leisure Time	Brand Name	Brand Name	1
<input type="checkbox"/>	<input type="checkbox"/>		Leisure Time Free	Brand Name	Brand Name	3
<input type="checkbox"/>	<input type="checkbox"/>		Natural Chemistry	Brand Name	Brand Name	1

Fig. 4a



Pools?	Spas?	Descr	Brand
<input type="checkbox"/>	<input type="checkbox"/>		E-Z Spa
<input type="checkbox"/>	<input type="checkbox"/>		Eastern Leisure
<input type="checkbox"/>	<input type="checkbox"/>		Enjoy
<input checked="" type="checkbox"/>	<input type="checkbox"/>		EZ Clor
<input type="checkbox"/>	<input type="checkbox"/>		Focus
<input type="checkbox"/>	<input type="checkbox"/>		FreshWater Spa
<input type="checkbox"/>	<input type="checkbox"/>		Generic Pool
<input type="checkbox"/>	<input type="checkbox"/>		Generic Spa
<input type="checkbox"/>	<input type="checkbox"/>		GLB
<input type="checkbox"/>	<input type="checkbox"/>		Haviland
<input type="checkbox"/>	<input type="checkbox"/>		HTH
<input type="checkbox"/>	<input type="checkbox"/>		Ideal
<input type="checkbox"/>	<input type="checkbox"/>		Leisure Time
<input type="checkbox"/>	<input type="checkbox"/>		Leisure Time Free

Changing Test Ranges

Each test (hardness, total & free chlorine, pH etc.) has a set of proper ranges. These ranges consist of a minimum safe value (low), maximum safe value (high) and a target. The amount of chemical needed to bring the test back into proper range, (usually to the mid point of the low and high range) is the target.

Low and high ranges are usually different depending on the wall surface (vinyl, gunite etc.) The targets can be adjusted to the low or high end depending on water conditions in a particular area. If the fill water or precipitation is low in pH and alkalinity, you may want to set the targets higher.

Each individual customer record has a set of target values, which may be customize to the pool or sanitizer type (alkalinity, pH, harness and cyanuric acid). If the customer is using Tri-chlor tablets or Dichlor granules, you may wish to adjust the cyanuric acid target lower. Also you may wish to raise the targets for pH and alkalinity when using an acidic sanitizer like tri-chlor tablets.

To change the range values:

1. Make sure the customer displayed on the screen is using the brand name of chemicals you wish to adjust the ranges for.
2. Click on the “Test Ranges” button under the “Spa Details” panel.
3. Click on pool products bullet (for spas, first go to the “Today’s Test” tab and click on “spa”)
4. A graph will appear with the test names, target, low and high values down the left side. Each wall surface, across the top, has a set of ranges. (see figure 5)
5. Simple click into the value you wish to change. When complete click “Close”

Note: You must make sure the values of the low and high test ranges are close to the values of the color blocks, within one-block increments.

Example: Alkalinity, third and fourth color block values are 80 & 120. Test range values of 80-120 and 100 – 150 are acceptable.

Fig. 5

	Vinyl	Fibe	Tile	Marb	Conc	Plain	White	Pebb	Acry	Hot	Other	
0 TotCl Target	2	2	2	2	2	2	2	2	2	2	2	Regal
1 TotCl Low	1	1	1	1	1	1	1	1	1	1	1	Regal
2 TotCl High	3	3	3	3	3	3	3	3	3	3	3	Regal
10 FreeCl Target	2	2	2	2	2	2	2	2	2	2	2	Regal
11 FreeCl Low	1	1	1	1	1	1	1	1	1	1	1	Regal
12 FreeCl High	3	3	3	3	3	3	3	3	3	3	3	Regal
20 Ph Target	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.6	7.4	7.4	Regal
21 pH Low	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.4	7.2	7.2	Regal
22 pH High	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.8	7.6	7.6	Regal
40 TAL Target	100	100	100	100	100	100	100	120	100	100	100	Regal
41 TAL Low	80	80	80	80	80	100	100	100	100	80	100	Regal
42 TAL High	120	120	120	120	120	120	120	150	120	120	120	Regal