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# CLAFFEY POOLS

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## POOL SCHOOL INFORMATION

<b>Page Title</b>	<b>Page</b>
Letter to Claffey Customer	1
Skimmers	2
Pool Returns	3
Main Drains	4
Sanitizers	5
Pool Pump Information	6
Jandy Pro Series Filters	7
Polaris Pool Cleaner Information	8
Chemical Maintenance Guide	9
Pool Scaling Information	10
Winterizing	11
Spring & Summer Tips	12
Questions or Concerns?	13
Claffey Locations	14

Dear Claffey Customer;

**This document includes but is not limited to some of the fundamental parts of the pool school. More detailed information can be found in the official manufacturer owner manuals, which can be found in the manuals tab.**

Thank you for choosing Claffey Pools for your Pool Project! Our goal is a lifetime relationship with delighted customers.

Claffey Pools made the commitment to support you through all phases of your pool ownership.

You have a one-year workmanship warranty on your "Claffey Pool". The warranty starts from the plaster date of the pool, and is reflected on your warranty certificate. Equipment warranties, if any, are also noted on the certificate. Warranties are non-transferable.

**Our Service & Warranty Departments** offer a full line of services. If you should have any questions, problems or concerns, they are your point of contact. Service & Warranty phone number is 817- 421-0539

**Our Retail Center** 100 W. Southlake Blvd #430. Our Retail store offers many services including complementary water testing, chemicals, pool toys and accessories.

Thank you again for choosing Claffey Pools for the construction of your backyard project!

The Claffey Team

# SKIMMERS

Skimmers are designed to remove debris from the surface of the pool. In order for them to perform properly, they need to be helped out. Therefore, routine cleaning and check-ups are necessary.



Here are some tips on keeping a skimmer running properly:

- Ensure that the water level remains in the middle of the skimmer. This allows the skimmer to have the right amount of suction to pull debris off the surface of the pool.
- Make sure that the skimmer's basket bar (also known as the handle) must be properly in place. If it is not in place the basket will float inside the skimmer, allowing leaves and debris to clog the plumbing line.
- Check the skimmer basket regularly for any cracks or holes. The basket will not properly catch and prevent debris from clogging the skimmer with holes or cracks.
- Check the skimmer door regularly to ensure that the door moves properly up and down. If it is stuck or cannot move freely then it cannot trap debris inside the skimmer, allowing it to move back into the pool or not pulling debris in at all.

## POOL RETURNS

Returns are used to return water back to the pool for proper circulation and to chemically take care of the pool. They have adjustable fittings to allow proper circulation, which pushes the surface-water debris into the pool's skimmer.



Here are some suggestions to allow for maximum efficiency from your pool returns:

- High filter pressure can cause low water pressure, which results in poor circulation.
- Water flow in the pool should move as clockwise as possible.
- An inch and a half eyeball fitting is used to direct the flow of water. This can be unscrewed and turned to adjust the water flow.
- The return in front of the skimmer should be adjusted so that debris will flow directly into the skimmer, not past it.
- The return just after the skimmer should be adjust to quickly push debris so that it will flow all the way to the next skimmer.

## MAIN DRAINS

Main drains are installed so that water can be pulled from the bottom of the pool for proper circulation and cleaning. Each main drain system is designed with two drains for dual suction to ensure safety. Every pool has one hydrostatic plug in one of the drains that is used to release any water pressure if the pool is drain.



Here is some safety information and tips to keep your drains running properly:

- Make sure that the drain covers are always installed. This allows the drains to work properly and is also for the safety of any swimmers.
- All Claffey Pools have two or more drains at the bottom of the pool or spa.
- The drain has a 1½" cap to plug off the bottom of the pool that is used to release pressure when the pool is drained.
- Never drain a pool yourself! Always call Claffey Pools to drain your pool.

**Floor System**

4 Hours per valve pod at 2850 RPMs or 60 GPM  
(This is dependent on the landscaping around the pool)

**Ozone**

Will only have power and produce ozone when the filter pump is running.  
Calibration of ozone is done by your End of Pool Coordinator.

**Fusions: Nature 2 w/ Chlorinator**

Nature 2 Cartridges are to be replaced every 6 months

**Chlorinator**

**Spring, Summer and Fall**

Fill up with tablets every week and adjust flow meter as needed per the water test

**Winter**

Adjust flow meter as needed per the water test

**Salt Systems 40,000 Gallons and Under**

**Spring, Summer and Fall**

Start at 65% and raise or lower percentage of production as needed per the water test

**Winter**

Only produces when above 50 degrees

**Salt Systems 40,000 Gallons and Above**

**Spring, Summer and Fall**

Start at 70% and raise or lower percentage of production as needed per the water test

**Winter**

Only produces when above 50 degrees

# POOL PUMP INFORMATION

All Jandy Pro Series pump information is located at <http://www.jandy.com/en/products/pumps>

To find information on a specific pump please use the below list to find the section that the installed model will be located in. Once on the pump's page the following equipment information can be found:

1. Product Description
2. Product Specifications/Technical Details
3. Models (also listed below)
4. Parts
5. Accessories
6. FAQs
7. Brochures and Manuals

## **Single & Two Speed Pumps**

### **FloPro Pumps**

Models:

1. Any and all models beginning with **FHPM**

### **PlusHP Pumps:**

Models:

1. Any and all models beginning with **PHPF**
2. Any and all models beginning with **PHPM**
3. PHPU 2.0-2

### **Stealth Pumps**

Models:

1. Any and all models beginning with **SHPF**

## **Specialty Pumps**

### **Water Feature Pumps:**

Models:

1. WRFTR 120/160/80

### **Waterfall Pumps:**

Models:

1. SWF 125/ 185

## **Variable Speed Pumps**

### **VS PlusHP Pumps**

Models:

1. VS PHP 270 AUT
2. VS PHP 170 JEP

### **HP VS FloPro Pumps 1.0**

Models:

1. VS FHP 165 AUT
2. VS FHP 165 JEP

### **HP VS FloPro Pumps 2.0**

Models:

1. VS FHP 270 AUT
2. VS FHP 270 JEP

### **ePump + SVRS Pumps**

Models:

1. JEP 2.0 SVRS

# JANDY PRO SERIES FILTERS

All Jandy Pro Series pump information is located at: <http://www.jandy.com/en/products/filters>

To find information on a filter please use the warranty certificate and below list to find the specific section that the model installed on your project will be located in. Once on the filter's page the following equipment information can be found:

1. Full Description
2. Specifications & Technical Details
3. Models (also listed below)
4. Parts
5. FAQs
6. Brochures & Manuals

## **CS Cartridge Filters**

Models:

1. CS 100
2. CS 150
3. CS 200
4. CS 250

## **CV Cartridge Filters**

Models:

1. CV 340
2. CV 460
3. CV 580

## **DEV Diatomaceous Earth Filters**

Models:

1. DEV 48
2. DEV 60

## POLARIS POOL PRESSURE AND ROBOTIC CLEANERS INFORMATION

All Polaris pool pressure cleaner information can be found at:

<http://www.polarispool.com/pressure>

All Polaris pool robotic cleaner information can be found at: <http://www.polarispool.com/robotic>

To find information on a specific pump please use the warranty certificate and the below list to find the specific section that your model will be located in. Once on the pump's product page the following information can be found:

1. Product Description
2. Product Accessories
3. Product Specifications
4. Product Downloads
  - a. Includes owner's manuals and brochures
5. FAQs

### **Pressure Cleaners:**

Models:

1. Polaris 3900 Sport
2. Polaris 380
3. Polaris 280/ Black

### **Robotic Cleaners:**

Models:

1. Polaris 9400

## CHEMICAL MAINTENANCE GUIDE

Claffey Pools uses Poolife products for all water chemistry balancing. Please refer to the link below for detailed chemistry maintenance



<http://www.poolife.com/~media/Microsites/Poolife/Docs/poolife-pool-care-guide.ashx?la=en>

### What causes swimming pool scale?

Swimming pool scaling is the result of an excessive amount of calcium hardness (i.e. calcium build up) and poor water balance. These two factors contribute to the total hardness of your [swimming pool](#) water chemistry; which results in scale formation. Usually when it comes to swimming pool scale formation, these are your major contributing factors:

- High pH.
- High alkalinity.
- High calcium hardness.

Pool calcium scale otherwise known as calcium carbonate, is more likely to develop in areas that has water evaporation and high water temperatures.

### Problems caused by having swimming pool scale

Because calcium scale is less soluble in water, your pool heater will develop pool scale formation. This is a swimming pool problem that usually happens as the water temperature of your pool increases. As pool scale develops on your heat exchanger, your pool heater will become less efficient.

#### 1. Calcium Scaling in a Pool

It is important to be aware of the calcium hardness (CH) level of your water to maintain your investment and not incur added expense. The CH level is especially important for pool surfaces below the water line that contain calcium, such as plaster, pebble, gunite, concrete, quartz, tile, or stone. However, all pool owners need to control, or at least be aware, of their CH level.

When there is too much calcium in the water, calcium scale will form on the pool and in the plumbing, and the water can become "cloudy" with calcium dust. If there is too little calcium in the water, and you have a surface containing calcium, the water becomes "aggressive" and the pool surface can dissolve into the water, causing pitting and deterioration, and shortening the life of your finish.

The risk of calcium scale, clouding, and pitting depends not only on the calcium level in the pool, but also on the pH, total alkalinity, and several other factors. The Calcium Saturation Index (CSI) is a single number showing your overall risk for scaling or pitting. pH actually has the largest impact on the CSI, more so than calcium does! When you allow your pH to get too high, there is a significant risk of calcium scaling in your pool or spa.

To find out your CSI level, you can use The Pool Calculator. You can also use the similar, but arguably less accurate, Langelier Saturation Index (LSI), which is easier to calculate by hand, but a bit less precise. Either method allows you to educate yourself on the water hardness level, and risk of scaling, in your pool.

To prevent scaling, it is advisable to keep your CSI below 0.6 at all times. Conversely, pools with surfaces containing calcium need to have their CSI above -0.6 at all times to prevent pitting. On the other hand, vinyl, fiberglass, and painted pools can safely have a significantly negative CSI. The CSI is very sensitive to pH changes, so you will need to monitor this regularly also. Surfaces containing calcium normally require you to try and balance your CSI fairly close to zero, so that future pH swings will still leave the CSI within these bounds.

Calcium also tends to serve other purposes. For example, if you have a spa only, it is best to keep the CH level at 150 or higher to reduce foaming. CH levels around 200-250 are typically recommended for fiberglass pools to protect the gelcoat, and can help to reduce the severity of metal stains.

In many parts of the country, the fill water has high levels of CH. Combine this with high rates of evaporation in arid areas, and you can rapidly raise the CH level in the swimming pool. CH levels up to perhaps 600 (we feel) can be managed by reducing your TA and carefully keeping your PH relatively low, but the "accepted" levels are in the 200-400 ppm range, and this is not really advised.

The most widely used way to lower CH levels is to replace water (drain and refill), but that can be expensive and wasteful. If replacement water is expensive, or if you prefer to save water and get a better quality water, you can also use a reverse osmosis (R/O) water treatment to lower calcium. Reverse Osmosis treatments will also remove other contaminants from your pool (viruses, bacteria, CYA, nitrates, phosphates, salt, etc.) and will return "bottled water" to your pool. In these areas where this is an option, the water companies cannot provide anything remotely close to the quality of water you will get from a R/O treatment.

Calcium scale can be very difficult to remove, as it is extremely hard. Small patches of scale can be removed with a pumice stone and elbow grease! In mild cases, lowering your CSI to about -0.8 and brushing aggressively can sometimes remove scale. This can take weeks and you need to be extremely careful not to lower your pH too far, as you can damage copper heat exchange coils or other copper items in the pool. There are "no drain acid wash" treatments, and the heater (if any) must be bypassed for protection. The process is somewhat corrosive to metal items, and may leave a rougher surface than was previously existing.

The only reliable solution for removing calcium scaling is a full drain and acid wash, which is very hard on plaster surfaces (the general rule of thumb is that an acid wash will take roughly three years off of the life of the finish). The best action is to maintain your pool well enough that you do not need to consider having an acid wash performed!

# WINTERIZE

## How to Winterize Your Pool Equipment When Your Equipment Is Down

Note: Put all drain plugs in the pump strainer basket so that they do not get lost

- 1. Turn off all power in the breaker box located at the pool equipment**
- 2. Open air relief valve on the filter to release water**
- 3. Unscrew or open lid on filter pump**
- 4. Unscrew both drain plugs on the side of the pumps**
- 5. Open faucet of hose bib above filter pumps**
- 6. Unscrew large drain plug on back side of filters if you can**
- 7. Pull up push/pull valve and unscrew drain plug on backwash line (this applies onto to the DE Filter)**
- 8. If you have an inline chlorinator, the lid can be unscrewed and removed**
- 9. If you have a heater, unscrew the nuts under the front header (located where the plumbing pipes go in and out of the heater)**
- 10. If you have a Polaris cleaner booster pump, remove the drain plug located in front of the pump under the plumbing pipe**
- 11. If the pool/spa will be down for an extended period, add flotation devices to pool/spa so help displace the water. This will prevent freezing.**

**All water should be out of the equipment when the process is complete**

## TOP 9 SPRING AND SUMMER TIPS TO DO FOR YOUR POOL

1. CLEAN any leaves or debris from the equipment pad area
2. INSPECT and replace any broken or impaired skimmer baskets and pump baskets
3. CHECK that the Weir Doors on the skimmers are working
4. CHECK the Pressure Gauge on the Filter and make sure it is functioning properly
5. CHECK for wear and tear of Parts on the Cleaner and replace as needed
6. CHECK that your filter's Push Pull valve is opening properly for DE FILTERS
7. ADD Chlorine Tablets to Inline Chlorinator once the water temperature is above 60 degrees
8. TEST your heater, if you have one, and make sure that all is working- check the inside of the heater for any nests or mounds
9. START to Brush your pool weekly to help prevent algae growth year round

# QUESTIONS OR CONCERNS?

For any questions, concerns, or problems that cannot be addressed using the manufacturer's site information please contact the equipment's manufacturer or Claffey Pools.

Please note that Zodiac Pool Systems owns Jandy Pro Series, Polaris, and Savi so any questions regarding equipment made by those manufacturers should be addressed to Zodiac.

## **Claffey Pools Warranty and Service Department**

Service: (817) 421-0539

Fax: (817) 421-2670

Mailing Address: P.O. Box 92278

## **A&A Manufacturing Contact Information**

### **Will Call Hours:**

M-F: 7:00 am – 2:30 pm

Phone: 800-851-8492

Address: 3750 W Indian School Road, Phoenix AZ 85019

<http://www.aamfg.com/contact.php>

## **Del Ozone**

### **For residential pool questions, contact either:**

Wayne Babcock: [wayne@delozone.com](mailto:wayne@delozone.com); 800-676-1335 x229

Dana Nelson: [dana@delozone.com](mailto:dana@delozone.com); 800-676-1335 x232

<http://www.delozonepool.com/customer-support/>

## **Pentair Contact Information:**

Phone: 800-831-7133

<http://www.pentairpool.com/contact-us.html>

## **Zodiac Support Information**

Phone: (800) 822-7933

Fax: (800) 479-8324

[productsupport@zodiac.com](mailto:productsupport@zodiac.com)

# CLAFFEY LOCATIONS

## **Claffey Pools Retail Store**

**Address:**

100 W Southlake Boulevard Suite #430  
Southlake TX 76092

**Phone:** (817) 416-0064

**Hours:**

Monday-Saturday: 9am - 7pm  
Closed Sundays

(Also Provides Cleaner Repair Services)

## **Claffey Service Department Contact**

**Phone:** (817) 421-0539

**Hours:**

Monday-Friday: 8am - 5pm  
Closed Saturdays and Sundays

## **Claffey Warranty Department Contact**

**Phone:** (817) 928-4897

**Hours:**

Monday-Friday: 8am - 5pm  
Closed Saturdays and Sundays

## **Claffey Sales Department**

**Address:**

1625 Brumlow Ave  
Southlake, TX 76092

**Phone:** (817) 488-5795

**Hours:**

Monday-Friday: 8am - 5pm  
Closed Saturdays and Sundays

Or

Visit our website to request contact for: Sales, Service, or Warranty: [www.claffeypools.com](http://www.claffeypools.com)