

# 'Doctor FEELGOODE'S

*"Your Prescription For Fun"*

## OWNERS MANUAL Above Ground Pools



*Contact:*

**BETHLEHEM**  
3560 Route 378  
Bethlehem, PA 18015  
610-867-8803

*Contact:*

**HAZELTON**  
67 N Cedar St.  
Hazelton, PA 18201  
570-455-4942

[www.doctorfeelgoodes.com](http://www.doctorfeelgoodes.com)

# Above Ground

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# Welcome To Your New Purchase

## Above Ground

To say that water is our business is an understatement. We are a proud family-owned and operated business in the Lehigh Valley. We have been serving the tri-state area with all our customers water needs for the past 48 years. We are proud to say we have built over 8,000 Above Ground Pools in all shapes and sizes. We are proud of the contributions we have made to our customers back yards.

A company whose inception began with only a few employees and a pick-up truck, now meets our trading area with a dedicated staff of trained swimming pool technicians. Our employees are the key to our companies success. Over the years, we have witnessed the evolution of the Above Ground Pool and have perfected our installation techniques to guarantee a perfect installation. This also includes the correct installation of the variety of options that most customers add to personalizing their custom pool. All of which is done by our “In House” installation crew.

Today our business is designed to see your project thru with the controls and support of all the materials and workmanship to insure many years of hassle free swimming enjoyment.

We thank you for your patronage.

# Permits & Cost

## Above Ground

Each township has their own specific requirements. They change by the season. With many of the townships downsizing, they are now relying on third party inspection agencies to approve the building process. In a general way, this is how the process works:

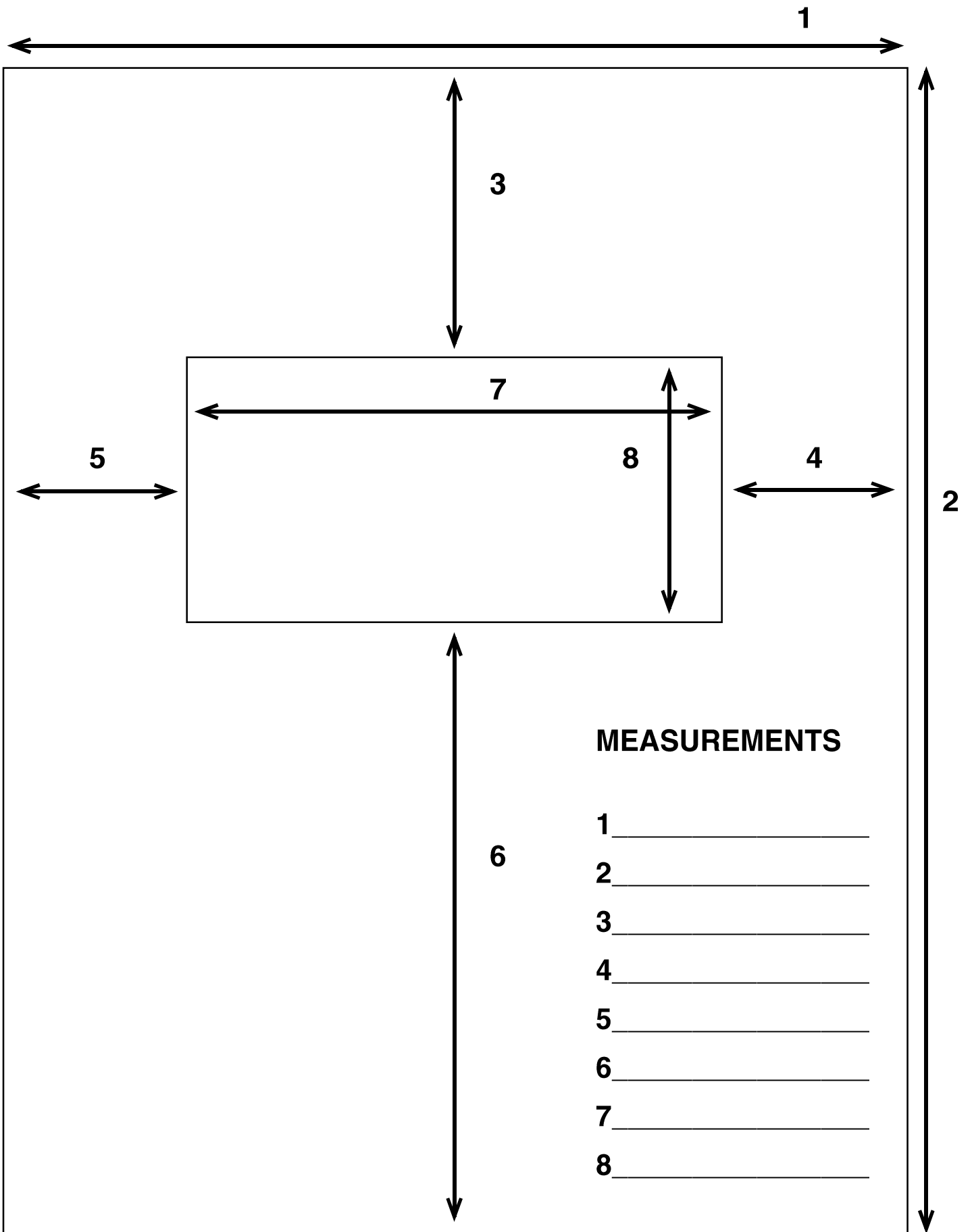
Doctor Feelgoode's provides you with all the information for you to apply for your permit

**Simple Process...Usually 2-3 weeks from start to approval**

1. Homeowner needs a plot plan of the property. If one is not available, one has to be created (see attached).
2. With the plot plan and the information provided by Doctor Feelgoode's you submit this to your township.
3. When the permit is approved, you pick it up and notify Doctor Feelgoode's for installation. Cost run between \$50 to \$125.00 depending on the township and electrical required.
4. There could be additional cost if the Third Party needs to do inspections
5. Both have their respect cost. D/F will make any initial payments and bill the homeowner accordingly. All permits must be picked up by the customer before we can start construction



# STREET



## MEASUREMENTS

- 1 \_\_\_\_\_
- 2 \_\_\_\_\_
- 3 \_\_\_\_\_
- 4 \_\_\_\_\_
- 5 \_\_\_\_\_
- 6 \_\_\_\_\_
- 7 \_\_\_\_\_
- 8 \_\_\_\_\_

# Electric Set Up & Cost

## Above Ground Pools

If you get a permit for your Above Ground pool there will be inspections. To pass your inspection and receive your certificate of occupancy, you must install the correct electrical system . Pennsylvania allows anyone to do the electrical and long as it's done to code. If you use Doctor Feelgoode's Electrical, please note the following cost.

**You must have (1) 110 Breakers Available in your box for a normal Electrical Hook Up.**

✓ Control Box from the house to the pump area only (75') \$1,800.00  
(Includes operational timer, GFI breakers, convenience outlet)

✓ Additional Distances over (75') Pumps only \$3.25 per ft.

✓ Light in Pool with Transformer \$425.00

# Construction Progress Chart

## Above Ground Pool

Delivery of Pool Materials usually (1) week before the Install

Sand Delivery (**Self Installs refer to the attached**)

Dig Pool

Electrical Work to be done

Erect Structure of pool

Install Liner

Installers will leave pool with 4” of water from your home. The balance can come from your home or from a water company (**refer to the attached**). In both cases the installer does not have to be present.

Install filter

Rough backfill on yard.

There is additional charge for hauling dirt away from the yard

**Indoctrination at Doctor Feelgoode’s Office bring water samples**

Permanent Fence Installation if necessary

Final Inspection for “C/O” must be called in by Customer since they have to get into your home to inspect the electrical box

All of the above is based on weather, inspection timing, and availability of any special equipment if needed. **Timing is a minimum of 1 day for rounds and 2 days for ovals.**

# Sand & Water

## Above Ground

### Sand Deliver

You should order your sand prior to the installation of your pool. Keep it outside of the diameter of the pool so that it does not interfere with an excavation. It is always a good maneuver to cover the sand to keep it dry. Evening rains may delay an install because the sand is wet.

- ✓ Only order New Jersey Bar Sand or Fine Masonry Sand
- ✓ Please refer to your Pool Sales Brochure for the recommended quantity
- ✓ Companies To Use

East Coast	610 739 1583
Alliance	610 826 3348
Eastern	610 395 8575
Kratzer Supply	610 797 2090
Ab Natural Stone	610 398 7200
Landscaping Products	610 530 7100
Landis Block	215 723 5506
Harmony Sand	908 475 4690

### Water Delivery

There are only (4) companies to buy water

Aqua Duck	Lehigh Valley	610 432 2288
Anderson Water	Poconos / Saylersburg	570 992 2212
Palmeri	Easton	610 252 0526
Aqua Express	Quakertown /Sellersville	215 343 2247



# Liner Information

## Above Ground Pools

The proper gauge for a consumer liner in the Northeast is 25 mil. Due to the extreme temperatures and winter ice a liner needs to expand and contract. It is imperative to maximum flexibility. When the pool is winterized the water level is lowered as much as 1.5'. The corners of your liner will shrink. If ice forms in the pool it can wear on the corners of your pool, reducing the longevity of the liner.

### Things to know

1. If a liner should receive a rip from some accident, can easily be repair with a clear patch or with the same material from the backside.
2. Leaves in a pool do not stain a liner
3. Floating Chlorinators will eventual strip the color of a liner at the waters edge
4. If liner pop out of the holding track (pools with hung liners) around a pool, you can stretch it back in with by applying heat with a hair dryer
5. Do not pour powder shock into a pool. It will bleach the bottom of the liner. Instead pour it directly into the skimmer while the pump is running
6. Life expectancy of a liner is between 10-14 years. Most likely you will change a liner before that time since you will remodel the pool with a new color liner.
7. Liner could float from an aggressive water table. When the water resides, the liner could reset itself. If not, it will leave wrinkles on the bottom. They can be fixed by draining the water down to the wrinkles and resetting the liner with a vacuum.

# ABOVE GROUND POOL MAINTENANCE GUIDELINES

## “INDOCTRINATION TO YOUR POOL”

**Thank you** for trusting Doctor Feelgoode’s with the installation of your beautiful new pool! We want to make certain that you get years of enjoyment out of your investment, and are providing these maintenance guidelines to help make taking care of your pool a little bit easier and more understandable. And if you ever have any questions, we are always only a phone call or email away!

## TURNING YOUR SYSTEM OFF AND ON

If you used one of our recommended electricians, your system will be controlled by a timer. This timer will probably be set to run on a 12 hour interval, and can be changed at any time to your liking. When turning our system off, **NEVER** use the breaker switch inside of your box as this will stop power to the timer as well, and throw off the actual time settings. Always use the switch located under the timer to turn the system off and on.

## FILTER TYPE AND BACKWASH INSTRUCTIONS\*\*\*

Filter Type	DE	Sand	Cartridge
Pressure reading while running	18-25 lbs	18-25 lbs	18-25 lbs
Pressure reading at time of backwash	27-30 lbs max	27-30 lbs max	at 27-30 lbs rinse cartridge and set to “filter”
Turn multiport handle to:			
Backwash	30 sec	1 min	None
Rinse	30 sec	30 sec	None

***\*\*\*ALWAYS MAKE CERTAIN THAT THE PUMP IS NOT RUNNING WHENEVER TURNING THE MULTI-PORT VALVE HANDLE. THERE ARE INTERNAL GASKETS THAT WILL FAIL DUE TO THE HIGH PRESSURE. THIS WILL NOT BE COVERED UNDER WARRANTY.***

After backwash cycle, turn multiport handle back to FILTER. For sand filters, this completes the backwash process. DE filter owners will need to add 6-7 lbs of DE powder through the skimmer.

## Motor Care

In order to clean out your pump, you must turn off the motor and close all valves. Valves are closed when the handle is turned perpendicular to the plumbing to which it’s connected. Once the motor has stopped running and all the valves are closed, you can then open up the pump lid and clean out the pump basket. After cleaning and inserting the pump basket, make sure that the gasket or o-ring between the cover and pump housing is in place, and free of any debris. You can then tighten down the lid, reopen any closed valves, and restart the motor. If your pump is above the water level of the pool, you may need to prime the pump by filling the basket area with water before closing the lid and starting the motor.

## VACUUMING YOUR POOL

Vacuuming is an essential part of maintaining your pool. It helps prevent algae growth, as well as other problems from occurring. If you desire, we have a variety of automatic vacuums and pool cleaners available at any of our retail locations. To manually vacuum your pool, first take the SWIVEL end of your vacuum hose and attach it to the vacuum head, which should already be connected to your telescopic pole. Submerge the vacuum head, hose, and pole into the pool. Take the unattached end of the vacuum hose and hold it over your pool return, filling the hose with water. Once the hose is filled with water, go to your skimmer and remove the lid and basket. Insert the end of the hose into the hole in the bottom of the skimmer. Now go to your filter equipment area and close the valve of the skimmer that's not being used to vacuum, and close the main drain valve half way. This will now direct the majority of the water being filtered through the vacuum hose. Take your telescopic pole and slowly run the vacuum head across the bottom of the pool and up the walls. Do NOT lift the vacuum head out of the water or else you will lose the pump's prime and have to restart it. After you've vacuumed all underwater surfaces, disconnect hose from skimmer, replace skimmer basket and lid, and return the valves to their original position.

## WATER CHEMISTRY

Proper water balance is the single most important factor to maximizing the life and appearance of any swimming pool. The following table shows ranges for basic water chemistry.

<b>Factor</b>	<b>Range</b>	<b>Test Frequency</b>
pH	7.2 - 7.6	Daily
Free Chlorine	1.0 - 2.0	Daily
Total Alkalinity	80-120ppm	Weekly
Calcium hardness	200-300 ppm	Monthly
Stabilizer	35 - 60 ppm	Monthly

## PH LEVELS

PH is the measurement of acidity of water - measured on a scale of 0 to 14, with 7 being neutral. A pH below 7.0 means the water is very acidic; and as the pH approaches 8.0, the water becomes very basic (alkaline).

Proper pH levels are essential in order for the other chemicals to do their work. Chlorine is much less effective at higher pH levels. At a pH of 8.0, chlorine is only 22% effective.

It is also important to note that low and high levels can cause damage to a vinyl liner. Under the right circumstances, with pH below 7.0, the liner can actually grow and develop unsightly wrinkles. High pH greatly accelerates the aging process and shortens the life of the liner.

### Total Alkalinity

Alkalinity is a measurement of the alkaline materials dissolved in water. In the ideal range of 80 to 120 ppm, alkalinity helps the pH to resist fluctuations. If the alkalinity is low, it can cause a "pH bounce" - meaning the pH level fluctuates in and out of the acceptable range.

### Calcium Hardness

Calcium Hardness refers to the amount of dissolved minerals in water. A low hardness can lead to corrosion of pool surface, filter, heater, ladder, etc.. A calcium hardness level that is too high causes cloudy water and scaling (white chalky appearance).

### Out of Balance Water

- Eye and skin irritation
- Staining
- Unsightly wrinkles in vinyl liners
- Interferes with the efficiency of sanitizers
- Corrosion of metals (pump seals, heaters, lights, etc.)
- Cloudy water
- Scale build up (white chalky appearance) on pool surface as well as inside filter and heater
- Pitting and corrosion of gunite/concrete pools

### Cloudy Water

**Contaminants Buildup:** When swimmer wastes and other contaminants build up, the result is "combined chlorine". Shock the pool!!!

**Chemical Residue:** Using a calcium hypochlorite shock such as (\*Shock \*Sock-It \*Shock-it \*Burn Out \*Break Out) can result in a residue build up and cloudy water. If the water looks like chalk or milk, it is usually the result of using a lot of calcium hypochlorite shock. If you use this type of shock, and want to prevent bleaching of the vinyl liner, you must:

- Fill a bucket about 1 /2 full of water
- Add Shock (do not stir), let sit for a few minutes, then pour only the liquid into the pool
- Discard the residue
- Do not try to dissolve the residue

**Water Out of Balance:** A high pH, high Total Alkaline or High Calcium Hardness will cause cloudy water. Test the water!!

**Algae:** Algae is a possible cause of cloudy water.

**Poor Filtration:** Is the filter system running a significant number of hours every day? During the swim season, the filter needs to run a minimum of 10 to 12 hours daily.

**Pools with Cloudy Water or Algae:**

- Adjust pH to 7.2-7.6
- Add algaecide
- Add shock
- Add flocking agent
- Run filter 1 hour - turn off and leave overnight
- Next day, vacuum to waste



**Metals:** The presence of metals in the water - such as iron (reddish-brown), copper (blue-green) or manganese (brown-red) - can cause cloudiness. To remove the metals:

- Add 1 quart flocking agent
- Add 1 quart Majestic Blue
- Run filter 1 hour; turn off overnight
- Vacuum to waste
- When pool is completely clear, add a stain and scale preventer to remove any stains

**Metals**

It is not uncommon to find metals, often called free metals, dissolved in pool water. Usually, they come from source water, but sometimes come as a result of the erosion of metal pool fixtures, such as heater cores.

Free metals in pool water can cause staining of pool surfaces and inhibit the performance of water sanitizers. Ideally, there should be no metals in the water - 0 ppm. If metals are detected in your water, you will need a sequestering agent to render them harmless.

**Adding Water-Balance Adjustment Chemicals**

It is best to pre-dissolve a water balance adjustment chemical in a plastic bucket of pool water.

Then add to the deep end of the pool or in front of a return with the pump running.

**pH Adjustment:** Add recommended dosage, wait several hours and test water again.

**Alkalinity:** Add at the rate of 5 lbs or less; wait about 10 minutes between each 5 lbs.

**Hardness:** Add at the rate of 5 lbs. or less; wait 30 minutes between each 5. If large amounts of calcium are needed, add over several days.

Low pH and High Alkalinity	Adjust Alk first — Next day pH
High pH and Low Alkalinity	Adjust pH first — Next day Alk
Low pH and Low Alkalinity	Adjust pH first — Next day Alk
High pH and High Alkalinity	Adjust Alk first — Next day pH

**Chlorine Stabilizer (100% Cyanuric Acid)**

Stabilizer acts as a sun shield to extend the life of chlorine up to 3 1/2 times. It actually holds the useful form of chlorine in the pool water until needed, giving longer protection against bacteria and algae. It leaves no residue - 100% soluble. "Stabilized" chlorine products (sticks, tablets or chlorine powder) contain some cyanuric acid, which helps to maintain the proper level throughout the season.

**Adding Stabilizer**

With a clean swimming pool - backwash filter. Make a slurry of stabilizer and water, then add very slowly through the skimmer with the pump running continuously for at least 48 hours. Do not backwash for 3 or 4 days after adding stabilizer.

**Pool Maintenance**

Testing The Water

- Follow test kit instructions (test strips are easier to use than kits)
- Use fresh reagents - shelf life for liquid reagents is only one year.
- Rinse out test cell with pool water before using.
- Retrieve water sample at elbow depth from deep end of the pool

Most Important Poolside Tests: Free Chlorine, pH and Total alkalinity. Free chlorine is the unused, effective chlorine that you want in your pool. With pH, a number of influences can bring out rapid shifts in the pool's pH. These include rain, swimmer wastes, refill water, and the pH of various pool chemicals, including:

- CAL HYPO - pH 11 . 7
- SODIUM HYPOCHLORITE - pH 13
- BROMINE TABLETS - pH 3.6
- SODIUM DRICHLORO - pH 6.0
- LITHIUM HYPOCHLORITE - pH 10.5
- CHLORINE TABLETS- pH 2.9
- CHLORINE GAS - pH 2.0

## TYPES OF ALGAE

**Mustard Algae:** Common algae in pools appears yellow-brown or “mustard” colored. It brushes off the walls of the pools easily, but quickly returns. It often rows in shady areas with poor circulation. It resists chlorine and shock treatment.

**Solution:** Use an algacide along with chlorine shock. Follow label directions. Place all vacuum equipment - hose, head, pole, brushes, etc. - into pool during treatment. Maintain a higher than normal chlorine reading for 4 to 5 days after treatment.

**Green Algae:** Green algae is one of the most common problems for swimming pools. It usually appears in corners or other areas where circulation is poor. Once established, green algae can grow explosively.

**Solution:** Use Algacide along with chlorine shock. Follow label directions. It is also recommended to use a flocking agent. Always vacuum to waste or drain (not backwash).

**Black Algae:** A very resistant form of algae that clings to the pool's walls, floor and cracks. The longer black algae are present, the longer it will take to get rid of them. Black algae can actually pit the mar cite finish in a gunite pool. Treat black algae as soon as it is detected. Black algae are usually found in gunite/concrete pools.

**Solution:** Brush algae spots vigorously with a stiff algae brush and pour algacide along the sides where spots are visible. Run filter continuously for one hour, and then add chlorine shock to the pool. Turn off filter and leave off for several days.

# How to Clean a Swimming Pool The Right Way

## The important (4) C's in Cleaning your pool

1. Circulation
2. Chemistry
3. Chlorine
4. Cleaning with the correct equipment

### **Circulation:**

Make sure your pool is operation at least 10 hours a day. In many cases during construction with dirt and other invasive materials, it doesn't hurt to run you pool 24 hours 7 days a week.

Check your skimmers to make sure they are free of debris. Leaves and other particles can restrict the flow.

Keep water level up to the middle or higher in your skimmers to insure enough water to circulate

### **Chemistry:**

Try to review you water chemistry at least twice a week. Get into a rhythm of the same days if possible. Letting your pool go too long may result in the pool your pool turning on you before you can add the corrective chemicals. When this happens, must customers overreact and add more than necessary thinking it will speed up the correction. Rely on the information provided to service you chemistry needs.

### **Chlorine:**

Shocking your pool with granular shock always will give a "boost" to the clarity of a pool. Even if you have a Salt Pool. You can do this by adding it directly to the pool thru the skimmer lids so that it coats the inside of the filter. Never add granular directly by "dumping it loose into the water". Other methods include...using liquid Chlorine or by diluting granular in a bucket with water and when it dissolves adding it to the pool

### **Cleaning:**        *Do I have the correct equipment!!*

1. Telescopic Pole
2. Weighted Floor Vacuum Head

3. Skimmer Net
4. Pool Brush
5. Flexible Vacuum Hose (Size is usually the length of the pool)
6. Back Wash Hose (Usually 50') to attach to the filter
7. Stainless Steel Clamp for vacuum hose
8. Converter fitting for the filter for the vacuum hose
9. Skimmer Vacuum Lid

**Please check your contract to see if you have an Accessory Credit to purchase these Items  
Operation directions:**

**Please refer to Doctor Feelgoode's video on our Website**

**[www.dfgshowroom/howtocleanmypool](http://www.dfgshowroom/howtocleanmypool)**

**Another option in clean is to purchase a Automatic Pool Cleaner**

**Two Options:**

**Pressure Side Cleaner**

**Suction Side Cleaner**

**Robotic Cleaner**



# **To Our New Customers Above Ground Pools**

You have now had an introduction to the operation on your new pool . We have provided you with information that will assist you when you have questions. However, when really in need, always call or use the on-line service of our website at [www.dfgshowroom.com](http://www.dfgshowroom.com), and go to service.

## **A FEW IMPORTANT POINTS TO NOTE**

Don't let your pool turn green. If you see a green tint to your water . . . call.

Your pool needs to run at least 10 hours a day

.

Don't let your pump run dry of water. Check your motor lint basket.

Keep your pool "Full". Full means over the skimmer face plate. Let Mother Nature can support your water needs when it rains. You will loose between 1-2" of water a week in hot direct weather.

Don't add a Salt Water System to your pool. This will null and void your warranty.

**DON'T BE AFRAID OF YOUR POOL ..IT IS YOUR FRIEND!!!!**

## **10 Tips for Staying Safer Around Your Swimming Pool**

1. Install a fence
2. Invest in a Pool Alarm
3. Maintain a Clean Pool
4. Don't Overdo Chemicals
5. Store Chemicals Out of Reach
6. Invest in Swimming Lessons
7. Supervise the Children don't be to put them in "Time Out"
8. Add Lighting to the Pool
9. Tidy up Around the Pool to avoid Tripping Over Items
10. Have Pool Rules
  - ✓ NO Diving
  - ✓ Don't Play Around Drain Covers
  - ✓ NO Pushing
  - ✓ NO Running
  - ✓ Always Swim With a Buddy
  - ✓ An Adult Must Be Present
  - ✓ Walk Down the Steps to the Pool Using Handrail

# Manufacture Warranties

## Above Ground Pools

Your pool comes from all the pool manufactures with specific warranties for their product. You should take the time to read them and familiarize yourself with what manufacture offers. We have attached the website that this information can be found. Your operational manual will be offered at this web site.

### ✓ Labor warranty from the building process:

All work performed on your pool is guaranteed for 1 season. This includes pool bottom floor with sand divots, level of pool from sinking, liners leaking from normal usage, your pool filter leaking at connecting joints.

### ✓ Plumbing from the building process:

All plumbing is 100% guaranteed if Doctor Feelgoode's closes your pool at the end of the summer season. Fittings at the filter are guaranteed for 5 years. Due to UV exposure they do wear out.

### ✓ Homeowner Awareness

You should be aware that flooding, sinkholes, falling trees, animals in pools, and severe ice damage claims fall under you homeowner's insurance as an "Act of God" claim. When they occur, contact your insurance agent immediately before notifying Doctor Feelgoode's.

**Note: If you don't have Sink Hole Insurance on your homeowners policy, you should contact your agent to add it to you policy before construction starts.**

Wibar: [www.propools.com](http://www.propools.com)  
Swimline: [www.swimline.com](http://www.swimline.com)  
Waterway: [www.pcpools.com](http://www.pcpools.com)  
Hayward: [www.haywardflowcontrol](http://www.haywardflowcontrol)

# Google Review

In the course of a summer, Doctor Feelgoode's performs hundreds of pool installations and service calls. In a short period of time (180 days), we try to address the urgency of each customer's needs. We like to feel we solve a very high percentage of problems with satisfactory results. Unfortunately there is a few customers that are not always happy or are disappointed with the performance that Doctor Feelgoode's tried to provide.

Today's disappointments can be vented in a very damaging manner thru the social media arena. Google has become the vehicle of choice. **This small percentage would rather post a negative review, than try to allow us to rectify their dissatisfaction.** This obviously overshadows the good work that the company has done for the larger percentage.

These customers are usually never happy with any service work performed by any company, No matter what you say or do, or how hard you try to resolve, they just can't move on... without punishing you!

Doctor Feelgoode's is now asking each satisfied customer to make an effort on our behalf. I would like to show that there are customers that rely on our service every year and are happy with the work we provide. I am creating an aggressive campaign on what I feel is an injustice to small businesses.

If a positive review is posted on Google reviews, Doctor Feelgoode's will issue a \$50.00 gift certificate to be used at any time for any product or service. It doesn't have to be a "razzel dazzle" review, just something that you feel was positive in work that we performed for you.

Directions to the review site: Go to Google and type in Doctor Feelgoodes Pool, when it come up...click on Google Reviews and there is a Blue Section indicating...**write a review.**

Referrals are part of our Business. If you are so inclined, we offer a \$200 referral gift certificate to anyone that you might pass our name on to a future sale.

Thank You

## Service & Service Cost

- ✓ All service calls must be made thru the office or thru our website:

**[www.doctorfeelgoodes.com/service-and-repairs](http://www.doctorfeelgoodes.com/service-and-repairs)**

- ✓ There can be a delay in reaching you to acknowledge a service date of 12 hours .
- ✓ The service is scheduled on the next available service date (unless it's an emergency
- ✓ First season owners (**the season your pool is built**) all service is covered 100%
- ✓ Know the warranty of the components that come with the pool
- ✓ All service thereafter is as follows: (Within 30 miles of Bethlehem Office)

\$165.00 Trip Charge and 1st Hour

\$65.00 Per hour there after billed on the 1/2 hour

\$65.00 For Return Visit if parts are required

\$65.00 Per hour for Cleaning your pool weekly if on a weekly or bi-weekly schedule

\$200.00 Leak detections

**No service is scheduled without a credit card on file.** It will be charged to your card, if you're not at home to pay for the service when completed. **We do not bill for service.**

All parts that are need to fix that are special order will be charge upon ordering.



WILBAR INTERNATIONAL  
50 CABOT COURT, HAUPPAUGE  
LI., NEW YORK 11788 U.S.A  
T.631.951.9800 F.631.951.9170

February 17, 2012

**RE: Engineering Approval of Round and Oval Above Ground Swimming Pools  
Manufactured by Wilbar International: "Sharkline" brand, "Artesian" brand,  
"Seaspray" brand, "Backyard Leisure" Brand**

Gentlemen:

I have completed an analysis of the above ground swimming pools in 48", 52" and 54" high.

When installed in accordance with the manufacturer's installation instructions, they fall within the boundaries of the factors of safety. The pools are built in conformance to 2007 ANSI/APSP-4 specifications.

I am currently licensed in the following states:

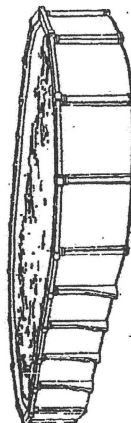
Alabama	Maine	Ohio
Connecticut	Maryland	Pennsylvania
Delaware	Massachusetts	Rhode Island
Florida	Michigan	South Carolina
Georgia	New Jersey	Vermont
Indiana	New-York	Virginia
Kentucky	North Carolina	West Virginia

Very Truly Yours,

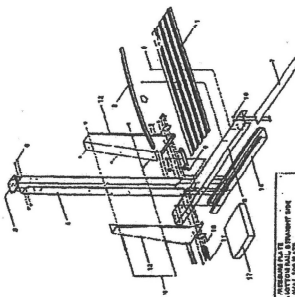
Ashutosh Patel, P.E.  
PA PE License # PE075735

**ROUND AND OVAL**

**Buttress Oval**

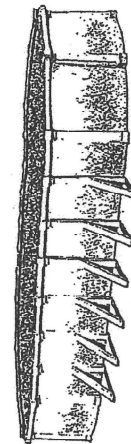


Oval pools are 48" or 52" tall. They are available in the following sizes:  
 12' x 17', 12' x 20', 12' x 24', 15' x 26', 15' x 30',  
 18' x 33', and 18' x 40'.

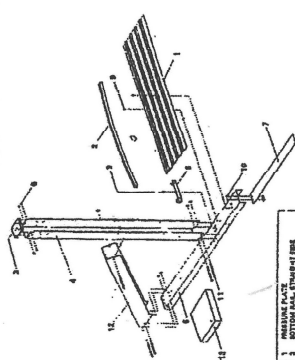


1-Top Rail  
 2-Top Cap Support  
 3-Top Cap  
 4-Buttress Rail  
 5-Coping  
 6-#12 x 1/2 screw  
 7-Top Plate  
 8-#10 x 1/2 screws  
 9-Upright  
 10-Wall  
 11-Bottom Rail  
 12-#12 x 1/2 screws  
 13-Bottom Plate  
 14-Plato Block: 2' x 8' x 8"

**Oval**

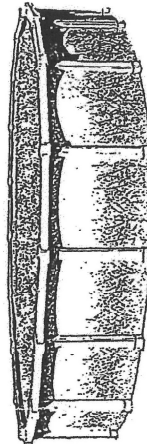


Oval pools are 48" or 52" tall. They are available in the following sizes:  
 11' x 16', 12' x 17', 12' x 20', 12' x 24', 15' x 25', 15' x 26', 15' x 30',  
 18' x 33', 18' x 38', and 18' x 40'.

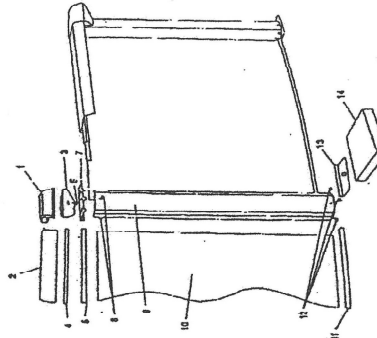


1-Top Rail  
 2-Top Cap Support  
 3-Top Cap  
 4-Stabilizer Rail  
 5-Coping  
 6-#12 x 1/2 screw  
 7-Top Plate  
 8-#10 x 1/2 screws  
 9-Upright  
 10-Wall  
 11-Bottom Rail  
 12-#12 x 1/2 screws  
 13-Bottom Plate  
 14-Plato Block: 2' x 8' x 8"

**Round**

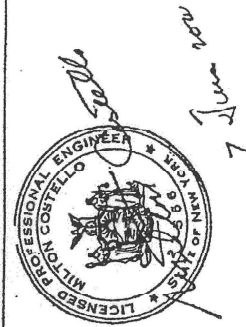


Round pools are 48" or 52" tall. They are available in the following sizes:  
 8', 12', 15', 18', 20', 21', 24', 27', 28', 30', and 33'.



1-Top Rail  
 2-Top Cap Support  
 3-Top Cap  
 4-Stabilizer Rail  
 5-Coping  
 6-#12 x 1/2 screw  
 7-Top Plate  
 8-#10 x 1/2 screws  
 9-Upright  
 10-Wall  
 11-Bottom Rail  
 12-#12 x 1/2 screws  
 13-Bottom Plate  
 14-Plato Block: 2' x 8' x 8"

**Engineers Approval**



Wil-Bar manufactures round and oval above-ground swimming pools. Underneath all bottom plates a plato block is required. See installation instructions for complete details regarding pool and liner installation. A complete report with all stress analysis and back-up calculations regarding the structure of the pool are available upon request.



# HI-FLO II

48-FRAME PUMP

## ABOVE GROUND POOL PUMP

### FEATURES:

- Intake - 1 ½" Union threads / 1 ½" FPT
- Discharge - 2" Union threads / 1 ½" FPT
- Large 6" pump trap with 2-piece lid
- Powerful side discharge performance
- Wet end rotates for easy installation

The Hi-Flo 48-Frame Above Ground Pump was designed for superior and efficient performance. This pump features high flow rate performance for faster filtering cycles. The Hi-Flo is ideal for new systems or as a replacement pump.



LISTED  
(SWIMMING POOL  
OR SPA PUMP)  
7J06

**Waterway**™



150-8070.0717

2200 East Sturgis Road, Oxnard CA 93030  
Phone 805.981.0262 • Fax 805.981.9403  
[waterway@waterwayplastics.com](mailto:waterway@waterwayplastics.com) • [www.waterwayplastics.com](http://www.waterwayplastics.com)



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Engineered &  
Manufactured  
in the USA.*

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# ClearWater™

## High Rate Sand Filters



### Both Systems Include:

- 2 hoses: (1 ½" x 6 ft.)
- Hose fittings & clamps
- 3 ft. twist lock or 3 ft. NEMA plug
- Filter base & pump base
- Accessory base (optional)
- Barbed fittings for chlorinator

The Filter System provides homeowners with everything they need to get their pool up and running. It assures them of matched components and optimal performance for years of dependable service.

### Features:

- High flow sand filter with easy twist-in laterals
- Superior spherical design as used on commercial sand filters
- Filter body is roto-molded for even wall thickness and extra strength, and is covered by a 1-year warranty
- Top of the line 2-speed or 1-speed Supreme pump
- Pump to filter and filter to pool connections are quick-disconnect union sweep fittings for easier maintenance and better performance
- (2) 1 ½" diameter hoses, with clamps
- 7-Position Multi-Port Valve
- Filter and pump mounting bases, and additional accessory base available for chlorinator and timer

### Filter System with Supreme 2-Speed Pump

Part No.	Filter	Flow Rate	Pump	HP
FSS01610-3	FS016	35 GPM	PSP2100-3	1
FSS01910-3	FS019	45 GPM	PSP2100-3	1
FSS01915-3	FS019	45 GPM	PSP2150-3	1.5
FSS02210-3	FS022	55 GPM	PSP2100-3	1
FSS02215-3	FS022	55 GPM	PSP2150-3	1.5
FSS02615-3	FS026	70 GPM	PSP2150-3	1.5

3-foot cord, twist lock plug

Part No.	Filter	Flow Rate	Pump	HP
FSS01610-6	FS016	35 GPM	PSP2100-6	1
FSS01910-6	FS019	45 GPM	PSP2100-6	1
FSS01915-6	FS019	45 GPM	PSP2150-6	1.5
FSS02210-6	FS022	55 GPM	PSP2100-6	1
FSS02215-6	FS022	55 GPM	PSP2150-6	1.5
FSS02615-6	FS026	70 GPM	PSP2150-6	1.5

3-foot cord, 3-wire NEMA (regular) plug

Includes Gate Valve to isolate system for maintenance and winterization.

### Filter System with Supreme 1-Speed Pump

Part No.	Filter	Flow Rate	Pump	HP
FSS01610-3S	FS016	35 GPM	PSP2100-3	1
FSS01910-3S	FS019	45 GPM	PSP2100-3	1
FSS01915-3S	FS019	45 GPM	PSP2150-3	1.5
FSS02210-3S	FS022	55 GPM	PSP2100-3	1
FSS02215-3S	FS022	55 GPM	PSP2150-3	1.5
FSS02615-3S	FS026	70 GPM	PSP2150-3	1.5

3-foot cord, twist lock plug

Part No.	Filter	Flow Rate	Pump	HP
FSS01610-6S	FS016	35 GPM	PSP2100-6	1
FSS01910-6S	FS019	45 GPM	PSP2100-6	1
FSS01915-6S	FS019	45 GPM	PSP2150-6	1.5
FSS02210-6S	FS022	55 GPM	PSP2100-6	1
FSS02215-6S	FS022	55 GPM	PSP2150-6	1.5
FSS02615-6S	FS026	70 GPM	PSP2150-6	1.5

3-foot cord, 3-wire NEMA (regular) plug



**Policy Information Page**

<p><b>[1] Named Insured and Mailing Address</b>          Parkway Pools &amp; Spas LLC          DBA/TA Doctor Feelgoodes          3560 Rte 378          Bethlehem, PA 18015</p>	<p><b>Agency</b>          JOHN YURCONIC AGENCY          5910 Hamilton Boulevard          Suite 200          Allentown, PA 18106          Agency Code: PAKEYF10</p>
<p><b>Federal Employer's ID</b>    23-3055952  <b>Risk ID Number</b>            2732447</p>	<p><b>Insured is</b> Limited Liability Co. (LLC)</p>
<p><b>Additional Names of Insured</b>          (N1) Doctor Feelgoodes</p> <p><b>Locations on Policy</b>          (L1) Route 611 N. Rd.#7 , Stroudsburg, PA 18360          (10/01/2018 - 10/01/2019)</p>	

<b>[2]</b>	<p><b>Policy Period</b>          From October 1, 2018 to October 1, 2019, 12:01 AM, standard time at the insured's mailing address.</p>
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<b>[3]</b>	<p><b>Coverage</b></p> <p>A. Workers' Compensation Insurance - <b>Part One</b> of this policy applies to the Workers' Compensation Law of the following states: Pennsylvania</p> <p>B. Employer's Liability Insurance - <b>Part Two</b> of this policy applies to work in each of the states listed in item [3]A. The limits of our liability under Part Two are:</p> <table style="margin-left: 40px;"> <tr> <td>Bodily Injury by Accident - each accident</td> <td align="right">\$100,000</td> </tr> <tr> <td>Bodily Injury by Disease - each employee</td> <td align="right">\$100,000</td> </tr> <tr> <td>Bodily Injury by Disease - policy limit</td> <td align="right">\$500,000</td> </tr> </table> <p>C. Other States Insurance - Part Three of this policy applies to all states, except any state listed in item [3]A. and the states of North Dakota, Ohio, Washington, and Wyoming.</p> <p>D. This policy includes these endorsements and schedules:          See Extension of Information Page - Schedule of Forms</p>	Bodily Injury by Accident - each accident	\$100,000	Bodily Injury by Disease - each employee	\$100,000	Bodily Injury by Disease - policy limit	\$500,000
Bodily Injury by Accident - each accident	\$100,000						
Bodily Injury by Disease - each employee	\$100,000						
Bodily Injury by Disease - policy limit	\$500,000						

<b>[4]</b>	<p><b>Premium</b>          The Premium Basis and, therefore, the premium will be determined by our Manual of Rules, Classifications, Rates, and Rating Plans. All required information is subject to verification and change by audit. (Continued on another page)</p>
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<b>Total Estimated Policy Premium</b>	<b>\$</b>	<b>6,171</b>	
<b>Total Surcharges/Assessments</b>	<b>\$</b>	<b>134.00</b>	
<b>Total Estimated Cost</b>	<b>\$</b>	<b>6,305.00</b>	

INTERNAL USE    XX  
MGA            : PAWC915485  
Date            : 08/27/2018







# WCSX.E128519 Pumps

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## Pumps

[See General Information for Pumps](#)

### WATERWAY PLASTICS

E128519

2200 E STURGIS RD  
OXNARD, CA 93030 USA

**Swimming pool, hot tub and spa pumps**, Models 500N, 520, 520N, 525, 550N, 555N and 556N with suffixes 5C, 7C, 10C, 15C, 20C, 30C; Model 550B with suffix -30C. All models may be followed by -2S.

Model SD, followed by 10, 15, 20, 25, 26, 30, 32, 40, 45 or 50, 84, or 89, may be followed by 1 or 2, may be followed by A or N, may be followed by 11, 12 or 22, followed by A, C, E, F, V or Y, may be followed by B, C, D, E, F, G, H or I, may be followed by 5 or 6, A-Z or 0-9.

Model PF, followed by 10, 15, 20, 25, 26, 30, 32, 35, 40, 45, 50, 84, or 89 may be followed by 1 or 2, may be followed by A or N, may be followed by 11, 12 or 22, may be followed by V or Y may be followed by B, C, D, E, F, G, H, or I, may be followed by A-Z or 0-11, followed by an R.

Models SP/CD or BT, followed by -05, -07, -10, -15, -20, -30, -50, 84, or 89, may be followed by 1 or 2, may be followed by A or N, may be followed by 11, 12 or 22, followed by F, A, E, or C, V or Y, may be followed by A-F or I, may be followed by G-Q or S-Z.

Model HF, followed by 20, may be followed by 1 or 2, may be followed by A or N, may be followed by 11, followed by L, may be followed by 5 or 6, may be followed by A-Z incl or 0-9 incl.

**Swimming pool pumps**, Model SVIS, followed by 220, 215, 210, 125, 120, 115 or 110; Model SVLE, followed by 130, 120 or 110; Models ECONO-VS, ECONO-VSA, ECONOH-210S, ECONOH-215S, ECONOH-220S.

Models Cham pE-107, Cham pE-110, Cham pE-115, Cham pE-120, Cham pE-130, Cham pS-215; Models ECONO-VSC, ECONO-VSAC, ECONOH-107, ECONOH-207, ECONOH-210, ECONOH-215, ECONOH-220.

**Swimming pool, hot tub and spa pumps**, Models Supreme, PSP, may be followed by C, followed by 1 or 2, followed by 075, 100, 150 or 200, followed by 3, 6 or 11, may be followed by R, followed by A-Z or 0-9.

**Swimming pool, hot tub and spa pumps**, Viper Series, Models PV-20-1N22C, PV-20-2N22C, PV-30-1N22C, PV-30-2N22C, PV-40-1N22C, and PV-40-2N22C.

**Swimming pool and spa pumps**, Models NSD075, NSE075, NSE100, NSE150 and NSE200.

**Swimming Pool and Spa Pumps, Supra Series**, Models SU075, SU200, SW 100, SW 150, SW 200.

[Last Updated](#) on 2011-04-20

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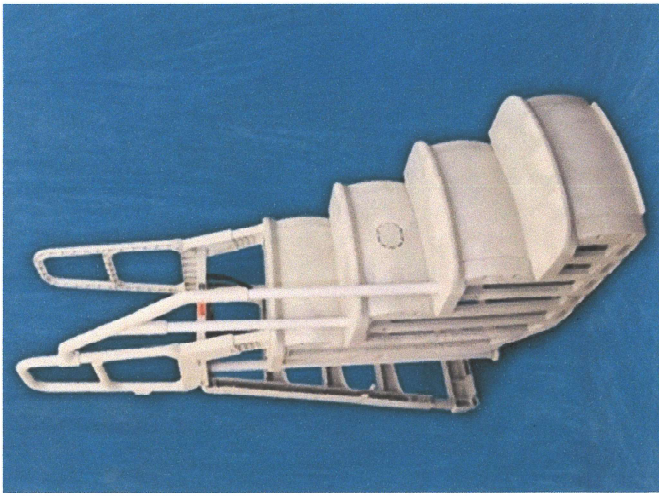
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### **Smart Step System #200700T/200600T**

The Smart Step System is an innovative and comfortable entry and exit for the above-ground pool. Especially designed for smaller pools, the inside 24" width step provides ample room for a smooth transition while maximizing the swim area. On the outside of the pool, a heavy-duty structural grade ladder offers solid footing and a swing up and lift-and-lock safety feature. The flow through design allow for improved water circulation in preventing algae. The superior strength-to-weight performance, stability and easy assembly make this combo the leader among the above-ground swimming pool step systems! Add cool to your pool with the UL approved LED Smart Lite!

### **Industry Best Buy!**

- Features No-Swim Zone and Flow-Thru step design!
- Adjustable for 48"-54" pools.
- Superior strength, durability and stability!
- Shown with optional Smart Lite.

The Smart Step System is a combination of the 200600T Smart Step and 200700T Smart Choice Ladder

model 494 ladder enclosure vinyl works

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Pool Ladder Enclosure - At Home Recreation.com  
athomerecreation.com

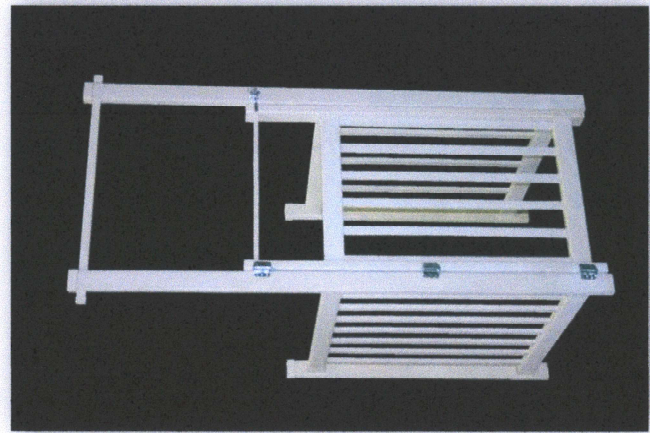
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walmart.com

Cosco 17' World's Greatest L...  
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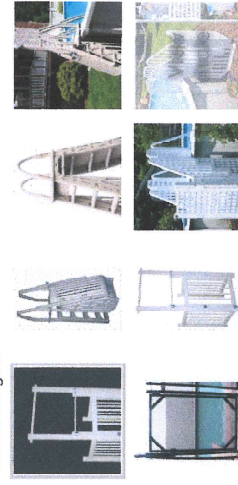


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## *Adding A Deck To Your Pool...*



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